Final

2020 Program Environmental Impact Report

Orange County Sanitation District

2017 Facilities Master Plan

Project No.: PS17-08

SCH No.: 2019070998

December 2020

DUDEK

FINAL

2020 Program Environmental Impact Report
Orange County Sanitation District
2017 Facilities Master Plan

Prepared for:

Orange County Sanitation District
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DECEMBER 2020

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Acronyms and Abbreviations

Acronym/Abbreviation	Definition
AQMD	Air Quality Management District
Caltrans	California Department of Transportation
CEQA	California Environmental Quality Act
EIR	Environmental Impact Report
FMP	Facilities Master Plan
GHG	greenhouse gas
kV	kilovolt
MM	Mitigation Measure
NPDES	National Pollution Discharge Elimination System
OCFA	Orange County Fire Authority
OCTA	Orange County Transportation Authority
PCE	passenger-car equivalent
PCH	Pacific Coast Highway
PEIR	Program Environmental Impact Report
Plant 1	Reclamation Plant No. 1
Plant 2	Treatment Plant No. 2
Sanitation District	Orange County Sanitation District
SR	State Route

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1 Introduction

1.1 Introduction

This Final Program Environmental Impact Report (PEIR) assesses the potentially significant environmental effects of the Orange County Sanitation District (Sanitation District) Facilities Master Plan (FMP) (proposed FMP).

As described in the Draft PEIR, to ensure that the Sanitation District can reliably and efficiently process and treat wastewater flows into the future, the Sanitation District is proposing to implement its updated FMP, which will allow the upgrade, replacement, rehabilitation, and maintenance of existing facilities within the wastewater collection and treatment system. The FMP identifies a number of projects located throughout the Sanitation District's service area that would occur over the course of a 20-year planning period. A total of 75 projects are included in the PEIR and are categorized into three categories: (1) projects occurring at Reclamation Plant No. 1 in Fountain Valley (Plant 1); (2) projects occurring at Treatment Plant No. 2 in Huntington Beach (Plant 2); and (3) projects involving pipelines and pump stations occurring throughout the Sanitation District's service area.

The Sanitation District, its member agencies, and other state and local agencies will rely on the environmental impact analysis presented in this PEIR when issuing discretionary approvals associated with implementing projects under the FMP. In addition to Sanitation District approvals needed to initiate FMP projects, approvals from other agencies may be required for various projects in the program, including from the following:

- South Coast Air Quality Management District – Permit to construct, permit to operate, compliance with Rule 1403, handling of asbestos-containing materials, and other applicable rules
- County of Orange and U.S. Army Corp of Engineers – Permits to construct on properties owned by these agencies
- California Department of Public Health – Use Permit
- Regional Water Quality Control Board – Stormwater Pollution Prevention Plans and General Construction Permit
- City of Huntington Beach and Newport Beach – Coastal Development Permit
- Local construction/encroachment permits for work outside the Sanitation District's rights-of-way in the following jurisdictions:
    - City of Fountain Valley
    - City of Huntington Beach
    - City of Seal Beach
    - City of Newport Beach
    - City of Costa Mesa
    - City of Fullerton
    - City of La Habra
    - City of Anaheim
    - City of Orange
    - City of Westminster
    - City of Santa Ana
    - City of Tustin
    - City of Los Alamitos
    - City of Irvine
    - City of Buena Park
    - County of Orange
    - California Department of Transportation
    - Orange County Transportation Authority

Because of their potential need to issue permits or approvals on individual FMP projects, the agencies and land use jurisdictions listed above are considered responsible agencies in this PEIR, pursuant to Section 21069 of the California Public Resources Code.

As described in the California Environmental Quality Act (CEQA) and the CEQA Guidelines, public agencies are charged with the duty to avoid or substantially lessen significant environmental effects, with consideration of other conditions, including economic, social, technological, legal, and other benefits. As required by CEQA, this Final PEIR assesses the significant direct and indirect environmental effects of the proposed FMP, as well as the significant cumulative impacts that could occur from implementation of the proposed FMP. This Final PEIR is an informational document only, the purpose of which is to identify the significant effects of the proposed FMP on the environment; to indicate how those significant effects could be avoided or significantly lessened, including feasible mitigation measures; to identify any significant and unavoidable adverse impacts that cannot be mitigated to less than significant; and to identify reasonable and feasible alternatives to the proposed FMP that would avoid or substantially lessen any significant adverse environmental effects associated with the proposed FMP and achieve the fundamental objectives of the proposed FMP.

Before approving a project, CEQA requires the lead agency to prepare and certify a Final Environmental Impact Report (EIR). The contents of a Final EIR are specified in Section 15132 of the CEQA Guidelines, as follows:

The Final EIR shall consist of:

(a) The Draft EIR or a revision of the Draft.
(b) Comments and recommendations received on the Draft EIR either verbatim or in summary.
(c) A list of persons, organizations, and public agencies commenting on the Draft EIR.
(d) The responses of the lead agency to significant environmental points raised in the review and consultation process.
(e) Any other information added by the lead agency.

The lead agency must provide each agency that commented on the Draft EIR with a copy of the lead agency's proposed response at least 10 days before certifying the Final EIR.

1.2 Contents and Organization of Final Environmental Impact Report

This Final PEIR will be used by the Sanitation District as an informational document for the proposed FMP. The Final PEIR, in compliance with Section 15132 of the CEQA Guidelines, is organized as follows:

Chapter 1, Introduction. This chapter provides general information on, and the procedural compliance of, the proposed FMP and the Final PEIR.

Chapter 2, Responses to Comments. This chapter includes a list of those who provided comments on the Draft PEIR during the public review period. This chapter also includes the comments received on environmental issues raised during the public review process for the Draft PEIR, and the Sanitation District's responses to these comments. Each comment is assigned a comment number that corresponds to a response number and response.

Chapter 3, Changes to the Draft Program Environmental Impact Report. This chapter contains a summary of changes made to the document since publication of the Draft PEIR as a result of comments received. Revisions were made to clarify information presented in the Draft PEIR; only minor technical changes or additions have been made. These changes and additions to the Draft PEIR do not raise important new issues related to significant effects on the environment, and are insignificant as the term is used in Section 15088.5(b) of the

CEQA Guidelines. This chapter describes the changes that were made and presents the textual changes made since public review of the Draft PEIR. Changes are signified by strikeout text (i.e., ~~strikeout~~) where text was removed, and by underlined text (i.e., underline) where text was added.

Chapter 4, Mitigation Monitoring and Reporting Program. This chapter of the Final PEIR provides the Mitigation Monitoring and Reporting Program for the proposed FMP. The Mitigation Monitoring and Reporting Program is presented in table format and identifies mitigation measures for the proposed FMP, the party responsible for implementing each mitigation measure, the timing for implementing each mitigation measure, and the monitoring and reporting procedures for each mitigation measure.

1.3 California Environmental Quality Act Review

Pursuant to Section 15082 of the CEQA Guidelines, a Notice of Preparation dated July 25, 2019, was circulated to interested agencies, organizations, and individuals. The Notice of Preparation was also sent to the State Clearinghouse at the California Governor's Office of Planning and Research. The State Clearinghouse assigned a state identification number (SCH No. 2019070998) to this PEIR.

The Sanitation District held two public scoping meetings during the Notice of Preparation review period to gather additional public input on the scope of the environmental document. The first public scoping meeting was held at the Plant 1 Board Room in Fountain Valley on August 12, 2019, and the second public scoping meeting was held at the Plant 2 Conference Room No. 1 in Huntington Beach on August 15, 2019. Both meetings were also open to web-based participation through GoToWebinars established by the Sanitation District. During the scoping meetings, the Sanitation District did not receive any substantive comments on the scope of the PEIR.

The 30-day public scoping period ended on August 23, 2019. Comments received during the 30-day public scoping period were considered during preparation of the Draft PEIR. Copies of the comment letters received in 2019 are provided in Appendix B of the Draft PEIR, and included comments from the following:

- South Coast Air Quality Management District
- California Department of Fish and Wildlife
- California Department of Transportation
- City of Fountain Valley
- City of Irvine
- Native American Heritage Commission
- Orange County Public Works Department

Comments from agencies focused on potential impacts and issues related to the project description, appendices, air quality, biological resources, tribal and cultural resources, energy, greenhouse gases, hydrology and water quality, land use and planning, and transportation. Issues, concerns, and potential impacts raised in comment letters received during the 2019 public scoping period were discussed and addressed in the Draft EIR, and no further response to these comments is needed in this Final PEIR.

A Notice of Availability of the Draft PEIR was sent to agencies and interested parties on September 2, 2020, and the Draft PEIR was circulated for a public review period from September 2, 2020, through October 16, 2020. The Sanitation District received nine comment letters during the 2020 public review period. A list of the comments received, copies of the comment letters received, and responses to comments are included in Chapter 2 of this Final PEIR. Chapter 2 will also be provided to public agencies and member of the public who commented on the Draft PEIR 10 days prior to the public hearing at which the Draft PEIR on the proposed FMP will be considered, per CEQA Guidelines Section 15088.

2 Responses to Comments

This chapter of the Final Program Environmental Impact Report (PEIR) includes a copy of all comment letters that were submitted during the public review period for the Draft PEIR for the proposed Orange County Sanitation District Facilities Master Plan (FMP), along with responses to those comments in accordance with California Environmental Quality Act (CEQA) Guidelines Section 15088. The public review period for the Draft PEIR began on September 2, 2020, and ended on October 16, 2020.

Two public scoping meetings were held on August 12, 2019, and August 15, 2019. Comments received during the scoping meetings and in writing during the scoping period were responded to in the Draft PEIR (Appendix B, Notice of Preparation Comment Letters, of the Draft PEIR).

All written comment letters received on the Draft PEIR have been coded with a letter and number to facilitate identification and tracking (see Table 2-1). The comment letters were reviewed and divided into individual comments, with each comment containing a single theme, issue, or concern. Individual comments and the responses to them were assigned corresponding numbers (e.g., A1-1, A1-2, A1-3). Each comment letter is the submittal of an agency (A) or individual (I). To aid readers and commenters, electronically bracketed comment letters have been reproduced in this document, with the corresponding responses provided immediately following each comment letter. The interested parties listed in Table 2-1 submitted letters during the public review period for the Draft PEIR.

Table 2-1. Comments Received on the Draft Program EIR

Comment Letter Designation	Commenter	Date
Agencies		
A1	Orange County Fire Authority	October 7, 2020
A2	South Coast Air Quality Management District	October 15, 2020
A3	Orange County Fire Authority	October 15, 2020
A4	Caltrans (California Department of Transportation)	October 15, 2020
A5	Orange County Public Works	October 16, 2020
A6	City of Anaheim	October 16, 2020
A7	City of La Habra	October 15, 2020
Individuals		
I1	Chris Stratton	September 5, 2020
I2	Cliff Ranney	September 8, 2020

To finalize the PEIR for the proposed FMP, the following responses have been prepared for comments that were received during the public review period. These responses will be distributed to the public agency commenters as required by CEQA Guidelines Section 15088(b).

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Comment Letter A1

ORANGE COUNTY FIRE AUTHORITY
P. O. Box 57115, Irvine, CA 92619-7115 • 1 Fire Authority Road, Irvine, CA 92602-0125
Brian Fennessy, Fire Chief (714) 573-6000 www.ocfa.org

October 7, 2020

Orange County Sanitation District
Attn: Kevin Hadden, Principal Staff Analyst; CEQA@ocsd.com
10844 Ellis Ave
Fountain Valley, CA 92708

Ref: Program Environmental Impact Report for the Orange County Sanitation District Facilities Master Plan

Thank you for the opportunity to review the subject document. The Orange County Fire Authority (OCFA) is a Joint Powers Authority responsible for reducing loss of life and property from fire, medical, and environmental emergencies. The OCFA is a regional fire service agency that serves 23 cities in Orange County (County) and all unincorporated areas in the County. The OCFA protects over 1,930,385 residents from its 77 fire stations located throughout the County. A1-1

We would like to correct the subject document on the following details: As of 7/1/2020, The City of Placentia has established its own fire department. The table in the document showing Placentia as part of OCFA should be corrected and their fire agency should be able to comment to their own impact. That being said, OCFA no longer represents 24 cities, but 23 and the population served is now 1,930,385. A1-2 In addition to these corrections OCFA requests that the OCFA Emergency Communications Center be notified if at any time during the project there is a possibility of impedance for emergency response A1-3

In addition, we would like to point out that all standard conditions with regard to development, including water supply, built in fire protection systems, road grades and width, access, building materials, and the like will be applied to this project at the time of plan submittal. Thank you for providing us with this information. Please contact me at 714-573-6199 if you have any questions. A1-4

Sincerely,

Tamera Rivers
Management Analyst
Strategic Service Section
tamyrivers@ocfa.org
714-573-6199

Serving the Cities of: Aliso Viejo • Buena Park • Cypress • Dana Point • Garden Grove • Irvine • Laguna Hills • Laguna Niguel • Laguna Woods
Lake Forest • La Palma • Los Alamitos • Mission Viejo • Rancho Santa Margarita •San Clemente • San Juan Capistrano • Santa Ana
Seal Beach • Stanton • Tustin • Villa Park • Westminster • Yorba Linda • and Unincorporated Areas of Orange County

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Response to Comment Letter A1

Orange County Fire Authority
Tamera Rivers, Management Analyst
October 7, 2020

A1-1 This comment introduces the Orange County Fire Authority (OCFA) and states the OCFA's role as a public safety agency. This comment is an introductory comment. No further response is required or necessary.

A1-2 This comment states that as of July 1, 2020, the City of Placentia has established its own fire department, and requests that the Draft PEIR be changed to reflect this recent organizational change. As such, Section 4.12, Public Services, of the Draft PEIR has been modified to remove the City of Placentia from the list of cities for which OCFA provides fire protection services, and the City of Placentia Fire Department has been listed as having its own fire jurisdiction over Placentia. The number of cities, number of stations, and population served by OCFA has also been updated. These changes have been made in Chapter 3, Changes to the Draft PEIR, of this Final PEIR.

Section 4.12, Public Services, of the Draft PEIR disclosed that the Facilities Master Plan's (FMP) impact with regard to fire protection services would primarily be associated with the potential disruption of emergency vehicle access, and Mitigation Measure (MM-)TRA-1 (Traffic Control Plans) would be required to reduce impacts to less than significant. The change in fire jurisdiction from OCFA to the City of Placentia Fire Department would not result in new impacts to fire protection services within Placentia, and the Orange County Sanitation District (Sanitation District) would coordinate with the City of Placentia if there were a potential for a disruption to emergency vehicle access, pursuant to MM-TRA-1. However, only two FMP projects would occur within Placentia, and both projects are air jumper rehabilitation projects that would not result in ground-disturbing activities, the closure of roadways within Placentia, or other effects that could potentially impact fire protection services. Should circumstances change, the Sanitation District will ensure that it coordinates with the City of Placentia and the City of Placentia Fire Department as applicable.

Additionally, the comment also states that the City of Placentia Fire Department should be able to comment regarding impacts to their agency. The City of Placentia was provided a copy of the Notice of Availability of the Draft PEIR, but no comments on the Draft PEIR were received.

A1-3 This comment requests that the Sanitation District notify the OCFA Emergency Communication Center if at any time during an FMP project there is a possibility of impedance for emergency response. The Sanitation District acknowledges OCFA's request and will ensure that the OCFA Emergency Communication Center is given ample notice prior to the commencement of work within public streets that will impede emergency vehicle access and are within OCFA's jurisdiction. Additionally, as discussed in Response to Comment A1-2, the Sanitation District would be required to implement MM-TRA-1 (Traffic Control Plans) to further reduce impacts to emergency vehicle access caused from potential lane closures that would take place during construction of FMP projects.

A1-4 This comment states that all standard conditions with regard to development, including water supply, built-in fire protection systems, road grades and width, access, building materials, and the like are applicable to the FMP projects at the time of plan submittal. The Sanitation District acknowledges this comment and notes that one of the FMP's objectives is to bring certain facilities into compliance with existing regulations, including applicable fire codes. The Sanitation District will ensure that coordination occurs with OCFA where applicable as FMP projects are implemented.

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Comment Letter A2

South Coast
Air Quality Management District
21865 Copley Drive, Diamond Bar, CA 91765-4178
(909) 396-2000 • www.aqmd.gov

SENT VIA E-MAIL:
CEQA@ocsd.com
Kevin Hadden, Principal Staff Analyst
Orange County Sanitation District
10844 Ellis Avenue
Fountain Valley, CA 92708

October 15, 2020

Draft Program Environmental Impact Report (Draft PEIR) for the Proposed Orange County Sanitation District Facilities Master Plan Project (SCH No.: 2019070998)

South Coast Air Quality Management District (South Coast AQMD) staff appreciates the opportunity to comment on the above-mentioned document. The following comments include recommended revisions to the air quality analysis and South Coast AQMD rules and permits that the Lead Agency should include a discussion of in the Final PEIR.

South Coast AQMD Staff's Summary of Project Description

The Lead Agency proposes to develop programs and strategies to guide maintenance, replacement, rehabilitation, and modification of wastewater treatment plants and pipelines with a planning horizon of 2040 (Proposed Project). The Proposed Project would be located at various sites throughout the 479-square-mile service area within Orange County, including Reclamation Plant No. 1 (Plant 1) and Treatment Plant No. 2 (Plant 2). As a comprehensive update to the 2017 Facilities Master Plan, the Proposed Project includes 75 Capital Improvement Program projects including 32 separate and eight joint facility improvement projects at Plant 1 and Plant 2, and 35 collection system improvement projects. Construction of the Proposed Project is assumed to take place over a 20-year period through 2040[1]. Operation of the Proposed Project is not anticipated to result in additions of or appreciable changes to the existing operations and maintenance activities[2].

A2-1

South Coast AQMD Staff's Summary of the CEQA Air Quality Analysis

In the Air Quality Analysis section of the Draft PEIR, the Lead Agency quantified the Proposed Project's maximum daily construction emissions from 30 project-level and 29 program-level projects that are representative of the 75 Capital Improvement Program projects that the Lead Agency envisions to take place over the 20-year period. Construction emissions were compared to South Coast AQMD's recommended regional and localized air quality CEQA significance thresholds. Based on the analyses, the Lead Agency found that the Proposed Project's combined maximum regional construction emissions for nitrogen oxide (NOx) from 30 project-level and 29 program-level projects would be 237 pounds per day (lbs/day)[3]. The combined maximum localized construction emissions for PM10 and PM2.5 at Plants 1 and 2 would also exceed the South Coast AQMD's localized CEQA significance thresholds[4]. The Lead Agency is committed

[1] Draft EIR. Section 4.2 Air Quality. Pages 4.2-34 to 4.2-51.
[2] *Ibid*. Pages 4.2-52 to 4.2-53.
[3] *Ibid*. Pages 4.2-51.
[4] *Ibid*. Page 4.2-79.

to implementing Mitigation Measure AQ-1 (MM-AQ-1), which requires the Proposed Project to use Tier 4 Final construction equipment with engines 50 horsepower (hp) or greater, if the Proposed Project is not exempt from this requirement[5]. With implementation of MM-AQ-1, the combined maximum regional NOx emissions would be reduced to be less than significant at 60 lbs/day[6], and the combined maximum localized air quality impacts from PM10 and PM2.5 emissions would also be reduced to be less than significant[7]. The Lead Agency also found that the Proposed Project would not result in net new mobile or stationary source emissions during operation, and that the Proposed Project's operational air quality impacts would be less than significant[8]. No mitigation measures for operation of the Proposed Project were included[9]. Furthermore, in the Draft PEIR, the Lead Agency discussed applicable South Coast AQMD Rules[10] 401 – Visible Emissions[11], 402 – Nuisance[12], 403 – Fugitive Dust[13], Rule 431.2 – Sulfur Content of Liquid Fuels[14] and 1403 – Asbestos Emissions from Demolition/Renovation Activities[15].

A2-1 Cont.

South Coast AQMD Staff Comment on Air Quality Mitigation Measure AQ-1

As stated above, MM-AQ-1 includes an exemption provision. The Proposed Project is required to use Tier 4 Final construction equipment with engines 50 hp or greater. However, if Tier 4 Final construction equipment is not reasonably available or if corresponding emission reductions can be achieved through other combinations of construction equipment[16], the Proposed Project can be exempt from being required to use Tier 4 Final construction equipment.

According to the CalEEMod output files for the Proposed Project, the Lead Agency calculated the Proposed Project's mitigated construction emissions based on the use of Tier 4 Final construction equipment with no exemption provision. This is not appropriate. The Lead Agency likely over-estimated the Proposed Project's construction NOx emissions that can be mitigated by relying on emission reductions from Tier 4 Final construction equipment when the Proposed Project can be exempt from being required to use such equipment. Therefore, to be consistent with the MM-AQ-1 requirement and the exemption provision, the Lead Agency should re-calculate the Proposed Project's mitigated construction emissions based on the use of a lower tier construction equipment such as Tier 4 Interim or Tier 3 in the Final PEIR.

A2-2

[5] Draft EIR. Executive Summary. Page 1-7.
[6] Draft EIR. Section 4.2 Air Quality. Page 4.2-70.
[7] *Ibid.* Page 4.2-84.
[8] *Ibid.* Page 4.2-29.
[9] *Ibid.* Pages 4.2-52 to 4.2-53.
[10] *Ibid.* Pages 4.2-12 to 4.2-13.
[11] South Coast AQMD Rule 402 – Nuisance. Accessed at: http://www.aqmd.gov/docs/default-source/rule-book/rule-iv/rule-401.pdf.
[12] South Coast AQMD Rule 402 – Nuisance. Accessed at: http://www.aqmd.gov/docs/default-source/rule-book/rule-iv/rule-402.pdf.
[13] South Coast AQMD Rule 403 – Fugitive Dust. Accessed at: http://www.aqmd.gov/docs/default-source/rule-book/rule-iv/rule-403.pdf.
[14] South Coast AQMD Rule 431.2 – Sulfur Content of Liquid Fuels. Accessed at: http://www.aqmd.gov/docs/default-source/rule-book/rule-iv/rule-431-2.pdf.
[15] South Coast AQMD Rule 1403 – Asbestos Emissions from Demolition/Renovation Activities. Accessed at: http://www.aqmd.gov/docs/default-source/rule-book/reg-xiv/rule-1403.pdf.
[16] Draft EIR. Executive Summary. Page 1-7.

Responsible Agency, South Coast AQMD Rules, and Permits

In addition to South Coast AQMD Rules 401, 402, 403, 431.2, and 1403, the Proposed Project may be subject to the requirements of the following South Coast AQMD rules and regulations, which the Lead Agency should discuss in the Final PEIR. Information on each of the rules and regulations is available on South Coast AQMD's website at: https://www.aqmd.gov/home/rules-compliance/rules/scaqmd-rule-book.

- Rule 201 – Permit to Construct
- Rule 203 – Permit to Operate
- Rule 1166 – Volatile Organic Compound Emissions from Decontamination of Soil
- Regulation XIII – New Source Review
- Rule 1401 – New Source Review of Toxic Air Contaminants
- Regulation XXX – Title V Permits

In the Draft PEIR, the Lead Agency identified South Coast AQMD as a Responsible Agency for the Proposed Project since implementation will require permits from South Coast AQMD[17]. However, at the time of the release of the Draft PEIR, South Coast AQMD has not received permit applications related to the Proposed Project. Since the Proposed Project may include the modifications to existing equipment, new equipment or air pollutant control systems, and new or replacement engines, the Proposed Project may be required to submit complete and timely permit applications to South Coast AQMD for the following equipment:

A2-3

- Applications for Permit to Construct and Permit to Operate will be required for changes to sewage treatment plant(s) that go beyond identical replacement.
- Applications for Permit to Construct and Permit to Operate will be required for any proposed new or reconstructed odor control scrubber systems (e.g. the "Primary Scrubber Rehabilitation Project" at Plant 1, and the "Trickling Filter Solids-Contact Odor Control" project at Plant 2).
- Applications for Permit to Construct and Permit to Operate will be required for any proposed new odor control units within the collection system/pump stations/lift stations not exempted by South Coast AQMD Rule 219.
- Applications for Permit to Construct and Permit to Operate will be required for any proposed chemical storage tanks not exempted by South Coast AQMD Rule 219.
- Applications for Permit to Construct and Permit to Operate will be required for engines powering the pumps at the pump station, if the engines are rated above 50 brake horsepower (BHP) (e.g. the Plant 1 "Standby Generator Feeders for Plant 1 Secondary Systems" project, which proposes the removal of two existing engines and replacement with 4 larger engines; the "Activated Sludge (AS)-1 Aeration Basin and Blower Rehabilitation" project, which mentions demolition of an existing engine; and, various project that add utility and electrical buildings, which may include back-up power).

It is important to note that the assumptions in the air quality analysis in the Final PEIR will be used as the basis for evaluating the permits under CEQA and imposing permit conditions and

[17] Draft EIR. Introduction. Pages 2-7.

limits. Question on permits should be directed to South Coast AQMD's Engineering and Permitting staff at (909) 396-3385. A2-3 Cont.

Conclusion

Pursuant to California Public Resources Code Section 21092.5(a) and CEQA Guidelines Section 15088(b), South Coast AQMD staff requests that the Lead Agency provide South Coast AQMD staff with written responses to all comments contained herein prior to the certification of the Final PEIR. In addition, issues raised in the comments should be addressed in detail giving reasons why specific comments and suggestions are not accepted. There should be good faith, reasoned analysis in response. Conclusory statements unsupported by factual information will not suffice (CEQA Guidelines Section 15088(c)). Conclusory statements do not facilitate the purpose and goal of CEQA on public disclosure and are not meaningful, informative, or useful to decision makers and to the public who are interested in the Proposed Project. A2-4

South Coast AQMD staff is available to work with the Lead Agency to address any air quality questions that may arise from this comment letter. Please contact Alina Mullins, Air Quality Specialist, at amullins@aqmd.gov if you have questions or wish to discuss the comments.

Sincerely,

Lijin Sun

Lijin Sun, J.D.
Program Supervisor, CEQA IGR
Planning, Rule Development & Area Sources

LS:AM/AS
ORC200903-04
Control Number

Response to Comment Letter A2

South Coast Air Quality Management District
Lijin Sun, J.D., Program Supervisor
October 15, 2020

A2-1 This comment provides an introduction to the comments to follow and summarizes the project description and air quality analysis as presented in the Draft PEIR. This comment does not specifically raise an issue pertinent to the content or adequacy of the Draft PEIR, and no further response is required or necessary.

A2-2 This comment is regarding the exemption provision included in Mitigation Measure (MM-)AQ-1, and recommends estimating emissions assuming a lower-tier construction equipment such as Tier 4 interim or Tier 3. To clarify the requirements of MM-AQ-1, MM-AQ-1 does include an exemption provision, but for an exemption to be granted, additional requirements must first be met that will ensure emissions beyond that assessed in the Draft PEIR would not occur. An exemption from this requirement may be granted if (1) the Orange County Sanitation District (Sanitation District) documents equipment with Tier 4 Final engines are not reasonably available, and (2) the required corresponding reductions in criteria air pollutant emissions can be achieved for the project from other combinations of construction equipment. Specifically, the construction contractor shall demonstrate that at least two construction fleet owners/operators in Orange County were contacted and that those owners/operators confirmed Tier 4 Final equipment could not be located within Orange County during the desired construction schedule. In addition, the proposed replacement equipment must be evaluated using California Emissions Estimator Model (CalEEMod) or other industry standard emissions estimation method and documentation must be provided to the Sanitation District to confirm that Facilities Master Plan (FMP) project-generated emissions do not exceed applicable South Coast Air Quality Management District (SCAQMD) mass daily thresholds, the applicable SCAQMD localized significance thresholds, or the SCAQMD carcinogenic (cancer) risk threshold. Importantly, the exemption cannot be granted unless it is demonstrated that the required corresponding reductions in emissions can be achieved for the project from other combinations of construction equipment and the FMP project-generated emissions do not exceed the thresholds for which MM-AQ-1 applies.

Implementation of MM-AQ-1 would reduce multiple potential impacts identified in Section 4.2, Air Quality, of the Draft PEIR, including the potential for the FMP to result in a cumulatively considerable net increase of any criteria pollutant for which the FMP region is non-attainment under an applicable federal or state ambient air quality standard, because the FMP would exceed the SCAQMD's construction oxides of nitrogen (NO_x) threshold of 100 pounds per day in 11 of the 20 years of FMP construction prior to mitigation. In addition, MM-AQ-1 addresses the potential impact related to the FMP's potential to expose sensitive receptors to substantial pollutant concentrations, specifically (a) the localized significance thresholds analysis where on-site particulate matter (PM_{10} and $PM_{2.5}$) emissions would exceed the applicable localized significance thresholds in some construction years prior to mitigation, and (2) the construction Health Risk Assessment (HRA) where unmitigated emissions would exceed the SCAQMD's cancer risk threshold of 10 in 1 million prior to mitigation. In summary, MM-AQ-1 is intended to reduce potential impacts related to NO_x, PM_{10} (including exhaust PM_{10}, which is a surrogate for diesel particulate matter), and $PM_{2.5}$. As presented in Section 4.2, Air Quality, of the Draft PEIR, all potential air quality impacts were reduced to less than significant with implementation of MM-AQ-1.

In response to the SCAQMD's recommendation of using Tier 4 Interim or Tier 3, instead of Tier 4 Final, Tier 4 Final is the only tier level that would address all potential impacts identified in Section 4.2, Air Quality, of the Draft PEIR, and summarized in the above paragraph. First, Tier 3 focuses on reducing NO_x emissions, but it does not reduce PM_{10} or $PM_{2.5}$ compared to Tier 2; therefore, Tier 3 would not reduce the potential localized significance thresholds or HRA impacts associated with PM_{10} and $PM_{2.5}$, and would not be appropriately applied. Second, when going from Tier 4 Interim to Tier 4 Final, NO_x continues to reduce for almost all horsepower bins, and in some bins substantially; however, when going from Tier 4 Interim to Tier 4 Final, PM_{10} and $PM_{2.5}$ only reduce for the very low and the very high horsepower bins (25 to 74 horsepower bin and 751 to 2,000 horsepower bin, respectively). The vast majority of equipment anticipated to be used during FMP project construction, and consistent with CalEEMod assumptions, are pieces of equipment within the middle horsepower bins (75 to 750 horsepower, but specifically within the fleet horsepower range of 9 to 415 horsepower; however, MM-AQ-1 only applies to equipment over 50 horsepower); therefore, Tier 4 Interim and Tier 4 Final requirements are the same for the majority of construction equipment, and would not result in a substantial difference from the emissions presented in the Draft PEIR. Based on the above considerations, no changes to the Draft PEIR are necessary.

A2-3 This comment lists additional SCAQMD rules and regulations not included in Draft PEIR Section 4.2, Air Quality, that may apply to implementation of the FMP projects, as well as potential SCAQMD permit applications resulting from FMP implementation. Thank you for your comments regarding potential SCAQMD permits needed. These are noted by the Sanitation District. All SCAQMD rules and regulations noted in the comment letter, including Rule 201, Rule 203, Rule 1166, Regulation XIII, Rule 1401, and Regulation XXX – Title V Permits, have been added to Section 4.2, Air Quality, in Section 4.2.2, Relevant Plans, Policies, and Ordinances, of the Draft PEIR, as reflected in this Final PEIR (see Appendix A of this Final PEIR). Regarding the potential for SCAQMD permits, at the time the Draft PEIR was published, no permits to construct, permits to operate, or other permits were anticipated as part of the FMP. However, upon additional review, the Sanitation District identified that the existing temporary emergency diesel-fueled generator at the Seal Beach pump station would be replaced with a permanent diesel-fueled emergency generator. The permanent emergency generator would require a permit from the SCAQMD because it would be greater than 50 horsepower. As a result, the Draft PEIR was revised to evaluate the potential operational impacts related to testing and maintenance of the emergency generator including criteria air pollutant emissions, toxic air contaminant emissions, greenhouse gas emissions, and energy consumption impacts. In addition, the HRA provided in Appendix D of the Draft PEIR was revised to include an operational HRA for the testing and maintenance of the permanent diesel-fueled emergency generator. Note that based on existing practice, pump station emergency generators are typically tested for approximately 6 hours per year; however, for annual emission calculations, the emergency generator was assumed to operate up to 50 hours per year for maintenance and testing, consistent with SCAQMD Rule 1470. Please see revised Section 4.2, Air Quality; Section 4.5, Energy; Section 4.7, Greenhouse Gas Emissions; and Appendix D, which includes an updated HRA, included in their totality, in Appendix A of this Final PEIR for ease of review. All other pump stations and the FMP projects listed by the SCAQMD in the comment letter were reviewed, and no other anticipated new SCAQMD permits were identified. In addition, there may be applications for modifications to existing permits associated with the FMP; however, none were identified at this time that would result in a net increase in emissions. The Sanitation District is committed to continuing to work with the SCAQMD in a timely fashion to secure the necessary permits.

A2-4 This comment is a concluding comment in which it is requested that the Sanitation District provide the SCAQMD with written responses to all comments provided. The Sanitation District will provide responses to comments to the SCAQMD, as well as all other public agency commenters, pursuant to California Environmental Quality Act Guidelines Section 15088(b). The comment is noted and no further response is necessary.

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Comment Letter A3

OCTA

October 15, 2020

Mr. Kevin Hadden
Orange County Sanitation District
10844 Ellis Avenue
Fountain Valley, CA 92708

Subject: **Notice of Availability of a Program Environmental Impact Report for the Orange County Sanitation District Facilities Management Plan**

Dear Mr. Hadden,

Thank you for providing the Orange County Transportation Authority (OCTA) with the Notice of Availability (NOA) of a Program Environmental Impact Report (PEIR) for the Orange County Sanitation District Facilities Management Plan (Project). The following comment is provided for your consideration: A3-1

- In the PEIR, Section 4.13.1 "Existing Conditions", Page 4.13-3, Greenville Street is described as a two- to four-lane divided and undivided roadway with a two-way left-turn lane between Warner Avenue and Alton Avenue. Please note that the City of Santa Ana is proposing to update their General Plan, which includes designating Greenville Avenue as a Divided Collector/Collector on their Circulation Element. The City of Santa Ana has plans for an active transportation project on Greenville Avenue between Edinger Avenue and Segerstrom Avenue, which would restripe the roadway to two lanes and incorporate bicycle facilities. Please update the PEIR and coordinate with the City of Santa Ana as appropriate. A3-2

Throughout the development of this project, we encourage communication with OCTA on any matters discussed herein. If you have any questions or comments, please contact me at (714) 560-5907 or at dphu@octa.net. A3-3

Sincerely,

Dan Phu
Manager, Environmental Programs

Orange County Transportation Authority
550 South Main Street / P.O. Box 14184 / Orange / California 92863-1584 / (714) 560-OCTA (6282)

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Response to Comment Letter A3

Orange County Transportation Authority
Dan Phu, Manger, Environmental Programs
October 15, 2020

A3-1 This comment is an introduction by the Orange County Transportation Authority (OCTA) to comments to follow. No further response is required or necessary.

A3-2 This comment states that the City of Santa Ana is proposing to update its General Plan, which includes designating Greenville Avenue as a Divided Collector/Collector on its Circulation Element. The comment also states that the City of Santa Ana has plans for an active transportation project on Greenville Street between Edinger Avenue and Segerstrom Avenue, which would restripe the roadway to two lanes and incorporate bicycle facilities. Lastly, the comment requests that the Draft PEIR be updated to reflect the proposed changes to the City of Santa Ana's General Plan, and that the Orange County Sanitation District (Sanitation District) coordinate with the City of Santa Ana as appropriate.

The Draft PEIR described Greenville Street as a two- to four-lane divided and undivided roadway with a two-way left-turn lane between Warner Avenue and Alton Avenue, consistent with the existing conditions. In light of the information provided by OCTA, the Draft PEIR has been revised to reflect the improvements to Greenville Street that are contemplated in the City of Santa Ana's Draft General Plan Update (City of Santa Ana 2020). This change has been made in Chapter 3, Changes to the Draft PEIR, of this Final PEIR.

Facilities Master Plan (FMP) project X-083, Greenville-Sullivan Sewer Upsize, would directly affect Greenville Street, including between Edinger Avenue and Segerstrom Avenue. FMP project X-083 would involve replacement and upsizing of approximately 16,000 linear feet of 24-inch-diameter sewer line to 27-inch-diameter sewer line. Construction is expected to commence in 2025 and end in 2027. If approved, the City of Santa Ana's proposed plans and improvements to Greenville Street would not change the transportation analyses conducted within Section 4.13, Transportation, of the Draft PEIR. This is because transportation impacts were determined to primarily relate to temporary construction-related trips to and from FMP project sites, and because these construction trips would only occur during construction of project X-083, it would not impact the ultimate plans of affected roadways. Pursuant to mitigation measure (MM-)TRA-1, the Sanitation District will be required to coordinate with the City of Santa Ana for review and approval of project X-083's engineering drawings and specifications prior to initiation of construction. Therefore, MM-TRA-1 would ensure that the Sanitation District coordinates with the City of Santa Ana to avoid any potential conflicts between FMP project X-083 and the City of Santa Ana's planned improvements to Greenville Street.

A3-3 This comment encourages the Sanitation District to communicate with OCTA on any matters discussed within OCTA's letter. The Sanitation District will coordinate with OCTA, as well as any other potentially affected agency, throughout implementation of the FMP, as necessary.

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Comment Letter A4

STATE OF CALIFORNIA—CALIFORNIA STATE TRANSPORTATION AGENCY GAVIN NEWSOM, Governor

DEPARTMENT OF TRANSPORTATION
DISTRICT 12
1750 EAST 4TH STREET, SUITE 100
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Making Conservation a California Way of Life.

October 15, 2020

Mr. Adam Nazaroff
Orange County Sanitation District
10844 Ellis Avenue
Fountain Valley, CA 92708

File: IGR/CEQA
SCH#: 2019070998
IGR LOG# 2019-01459
SR 1, PM 21.989
I-405, PM 12.621
SR 1, SR 39, SR 55, SR 73,
SR 90, SR 91, I-405 - Various

Dear Mr. Nazaroff:

Thank you for including the California Department of Transportation (Caltrans) in the review of the Orange County Sanitation District (OCSD) Facilities Master Plan (FMP)Project Initial Study and Draft Program Environmental Impact Report dated September 2020. This project will allow OCSD to upgrade, replace, rehabilitate, and maintain existing facilities within their wastewater collection and treatment system to ensure that the Sanitation District can reliably and efficiently process and treat wastewater flows into the future. The FMP identifies individual projects located throughout the Sanitation District's service area that would occur over the course of a 20-year planning period. Projects can be generally categorized into three categories: (1) projects occurring at Reclamation Plant No. 1 in Fountain Valley; (2) projects occurring at Treatment Plant No. 2 in Huntington Beach; and (3) projects involving pipelines and pump stations occurring throughout the Sanitation District's service area. A4-1

The mission of Caltrans is to provide a safe, sustainable, integrated and efficient transportation system to enhance California's economy and livability. Caltrans is a responsible agency on this project and has the following comments:

1. Our previous comments in the attached Caltrans letter dated August 23, 2019 still apply. A4-2

Traffic Operations A4-3

2. According to the FMP, several locations of the proposed project will have

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significant transportation impacts, including lane or shoulder closures, therefore, a Traffic Management Plan (TMP) and a Construction Traffic Control Plan (TCP) is required for Caltrans review, comment, and approval prior to any construction activity during Encroachment Permit Process. A4-3 Cont.

3. Caltrans project, 12-0J340, to widen SR-55 on both directions from I-405 to I-5 is scheduled to begin construction in December 2021 and will continue until 2024. Project 12-0J340 is within the limits of OCSD Project 7-66. Therefore, OSCD coordination with Caltrans Project is required to avoid any potential construction impacts and closures. A4-4

4. It is anticipated that a large percentage of workers, vendor trucks and haul trucks will utilize the intersection of PCH and Brookhurst during the construction of Plant 2. Please submit to Caltrans a study for peak hour level of service and queuing summary for the intersection of SR-1 and Brookhurst (like study at Brookhurst and Banning Street) to demonstrate that no mitigation measure is needed as a result of this project. A4-5

Design

5. The previous comments submitted in comment letter dated August 23, 2019 remain in effect for the ongoing I-405 widening project which begins at around Bristol Street and ends at the LA county line in the City of Seal Beach. This project is scheduled to be completed in late 2023. OCSD is required to coordinate its work with Caltrans I-405 widening project, especially, work for Plant #1 and Plant #2 in the City of Fountain Valley because these two projects are directly within or adjacent to the ongoing I-405 widening project limits. A4-6

6. OCSD is to coordinate and cooperate with the I-405 project team in the event of an overlap in the schedule of the two projects. As with other future OCSD projects included in the report that are within the vicinity of the I-405 as a whole, OCSD is to observe, notify and cooperate with Caltrans on all aspects and to take all precautionary measures to protect the integrity of the freeway system and the traveling public within the state highway system. A4-7

Active Transportation

7. Previous comments in our comment letter dated August 23, 2019 still apply. Please ensure that the Traffic Management Plan includes consideration for the safety and mobility of bicyclists on all roadways during construction. Bicyclists are legally allowed to ride on any roadway, except where signage indicates otherwise, regardless of whether there is a designated bike facility on that road. A4-8

Storm Water Compliance-NPDES

8. The Draft EIR included discussions that construction activities that take place under this master plan would follow the NPDES Construction General Permit as well as the local municipal NPDES permits. This includes implementing BMPs during construction to protect water quality from storm water and non-storm water discharges. These similar requirements would be required when OCSD would apply for an encroachment permit for work within Caltrans Right of Way (ROW). A4-9

Hydraulics

9. Previous comments in our comment letter dated August 23, 2019 still apply. Please see the attached letter. A4-10

Encroachment Permit

10. Encroachment Permit applications must be made before any construction work commences in Caltrans ROW. All construction in Caltrans ROW must conform to Caltrans policies, procedures, and standards and proposed designs must be submitted to Caltrans for review and comment for compliance. A4-11

11. Any project work proposed within Caltrans ROW requires an Encroachment Permit and all environmental concerns must be addressed. If the environmental documentation for the project does not meet Caltrans requirements, additional documentation would be required before approval of the Encroachment Permit. For application forms and specific details on Caltrans Encroachment Permits procedure, A4-12

please refer to Encroachment Permits Manual. The latest edition of the Manual is available on: http://www.dot.ca.gov/trafficops/ep/apps.html. A4-12 Cont.

Please continue to coordinate with Caltrans for any future developments that could potentially impact State transportation facilities. If you have any questions, please do not hesitate to contact Maryam Molavi, at (657) 328-6280 or Maryam.Molavi@dot.ca.gov. A4-13

Sincerely,

Scott Shelley
Branch Chief, Regional-IGR-Transit Planning
District 12

Enclosure:
Caltrans Comment letter dated August 23, 2019

"Provide a safe, sustainable, integrated and efficient transportation system to enhance California's economy and livability"

STATE OF CALIFORNIA—CALIFORNIA STATE TRANSPORTATION AGENCY Gavin Newsom, Governor

DEPARTMENT OF TRANSPORTATION
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Making Conservation a California Way of Life.

August 23, 2019

Mr. Adam Nazaroff
Orange County Sanitation District
10844 Ellis Avenue
Fountain Valley, CA 92708

File: IGR/CEQA
SCH#: 2019070998
IGR LOG # 2019-01187
SR 1, PM 21.989
I-405, PM 12.621
SR 1, SR 39, SR 55, SR 73,
SR 90, SR 91, I-405 - Various

Dear Mr. Nazaroff,

Thank you for including the California Department of Transportation (Caltrans) in the review of the Orange County Sanitation District (OCSD) Facilities Master Plan Project Initial Study. This project will allow OCSD to upgrade, replace, rehabilitate, and maintain existing facilities within their wastewater collection and treatment system. The Facilities Master Plan identifies individual projects located throughout the OCSD service area that would occur over the course of a 20-year planning period. Projects can be generally categorized into three categories: (1) projects occurring at Reclamation Plant No. 1 in Fountain Valley; (2) projects occurring at Treatment Plant No. 2 in Huntington Beach; and (3) projects involving pipelines and pump stations occurring throughout the OCSD service area.

A4-14

The mission of Caltrans is to provide a safe, sustainable, integrated and efficient transportation system to enhance California's economy and livability. Caltrans is a responsible agency on this project and has the following comments:

Traffic Operations

1. Please coordinate with Caltrans to synchronize construction schedules with Caltrans projects taking place in the vicinity.

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SR 1

2. A number of OCSD facilities including Treatment Plant 2, Seal Beach Pump Station, Bitter Point Pump Station, Lido Pump Station, 15th Street Pump Station, Rocky Point Pump Station are in close proximity of SR-1 PCH. PCH is a busy commuter route and is heavily used by tourists in summer. Mitigation measures for the increased traffic during construction needs to be reviewed by Caltrans. Temporary lane closures, if needed, also need to be reviewed by Caltrans. Caltrans project 12-0P680 with limit SR-1 PM 13.0-33.7 is scheduled to be in construction from approximately 2021 to 2024 project; project 12-0R4100 with limit SR-1 PM 17.4-21.5 is scheduled to be in construction from approximately 2022 to 2024. The OCSD project will require coordination with Caltrans projects, especially in regards to potential construction activity closures.

3. Applicant is to submit the Construction Traffic Control Plan (TCP) and Transportation Management Planning (TMP) for further review during an Encroachment Permit Process, if required.

SR 39, SR 90

4. Any lane or shoulder closures proposed with the projects in the Caltrans rights-of-way (ROW) on Route 39 and 90, will require a Transportation Management Plan to be prepared and approved by Caltrans.

SR 55

5. Any lane or shoulder closures proposed with the projects in the Caltrans ROW will require a Transportation Management Plan to be prepared and approved by Caltrans. Also, any construction work proposed within the Caltrans (ROW) should meet or exceed current Caltrans Standards and Specifications. There is a Caltrans project, 12-0J340, that is scheduled to be in construction from approximately 2020 to 2023 within the limits of the OCSD 7-66 project. The OCSD project will require coordination with the Caltrans project especially in regards to potential construction activity closures.

SR 73

6. Any lane or shoulder closures proposed with the projects in the Caltrans ROW will require a Transportation Management Plan to be prepared and approved by Caltrans. Also, any construction work proposed within the Caltrans ROW should meet or exceed current Caltrans Standards and Specifications.

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A4-14
Cont.

SR 91

7. Please submit the Transportation Management Plans and Traffic Control Plans for review during the encroachment permit process, if required.

I-405

8. Several significant impacts for transportation are listed in the Master Plan. Please provide a traffic impact study to determine the appropriate mitigation measures needed for the traffic impacts related to the project.

Design

9. Permitee shall adhere to standards expressed in the Caltrans Highway Design Manual and Encroachment Permits Manual. Excavation must include positive identification of high priority utilities in accordance with the Caltrans ROW manual. Any pedestrian facilities within Caltrans ROW that are impacted must be restored to meet ADA standards in accordance to Design Information Bulletin (DIB) 82-06.

I-405

10. Project X-076 (OCSD Reclamation Plan No. 1): This project would start construction around October 2023, which is around the same time the I-405 Widening Project (Ea 0H10010) would be completed. This project will likely not conflict with the I-405 Widening Project. There will be work within the existing sewer pipe underneath I-405, but no disruption to freeway traffic is anticipated. OCSD and its contractor shall take precautions not to undermine the sewer pipe during construction that would affect the integrity of I-405 above the trunk sewer.

11. Project 3-68 Los Alamitos Sub-Trunk Extension: This project will start construction around March 2034, which will be far after the I-405 Widening Project completion. Due to the complexity of the bore and jack method, please coordinate with Caltrans during construction to avoid potential operational disruptions on I-405.

12. Project 7-65 Gisler-Red Hill Interceptor Rehabilitation project: This project is to begin construction on September 2022, which might overlap with the 2023 completion of the I-405 Widening Project. The work on this pipe is mainly relining the pipe using the cured-in-place method. There will be work on the pipe under I-405, but no disruption to traffic on I-405 is anticipated. Again, OCSD and its contractor are to take every precaution when working underneath Caltrans ROW.

A4-14
Cont.

13. Project 7-67 Main Street P5 Force Main Rehabilitation: There are rehab works on 800 feet of the 30-inch VCP pipe and 6,000 feet of the dual 42-inch forcemain pipe. The rehab includes pump replacement and supporting piping. Work on the pipe could possibly take place under I-405 during the pipe replacement operation. OCSD and its contractor are to take every precaution not to disrupt moving traffic on the I-405 freeway during their construction operations. This project begin construction in March 2022 and completes on May 2023. The project is located outside of the I-405 Widening project and will not conflict with its construction operations.

Hydraulics

For all OCSD projects taking place on Caltrans ROW, the following hydrology guidelines shall be adhered to:

14. No diversion flow shall be allowed,

15. Change to the existing grading, drainage pattern, swale/ ditch, etc. shall not be allowed,

16. The existing flow pattern shall be maintained,

17. Discharging groundwater to storm drains during earthwork such as excavation will not be allowed,

18. All existing drainage facilities should be protected during construction,

19. Caltrans Utility Branch should review and make comments on this Proposal, and

20. Final construction plans need to be reviewed and approved by hydraulics branch during Encroachment Permit Process.

A4-14
Cont.

Active Transportation

21. Many of the proposed project locations have Class I, II, and III bicycle facilities near or adjacent to the site, including regionally significant trails and corridors like the Santa Ana River Trail and Pacific Coast Highway. There are also sidewalks, crosswalks, transit stops, and schools near many of the project locations. During construction, please ensure that appropriate detours and safety measures are in place that prioritize the mobility, access, and safety of bicyclists, pedestrians, and transit users. If sidewalks, bike lanes, or transit stops need to be closed during construction, please ensure that closures and detours are clearly signed.

22. For bike lane closures, we recommend the use of "May Use Full Lane" (MUTCD R4-11) signage rather than "Share the Road" (W16-1P) signage to more clearly indicate to both drivers and bicyclists that bicyclists may ride in the center of the traffic lane while the bike lane is closed. Should access to the Santa Ana River Trail be disrupted, please ensure that there are sufficient notifications prior to closures.

Stormwater Compliance

A4-14
Cont.

For all OCSD projects taking place on Caltrans ROW, the following stormwater guidelines shall be adhered to:

23. At the time of construction, treatment BMPs may be constructed within Caltrans ROW that may be in conflict with construction activities. Activities must be conducted as to not negatively affect the structure or function of the treatment BMPs. Before commencement of work, Caltrans NPDES Unit must be consulted.

24. Caltrans storm drains must be protected so that they don't receive runoff or nuisance waters related to the construction activities.

25. Post-project, there shall be no commingling of surface waters with Caltrans runoff. If offsite drainage will be discharged to Caltrans ROW, a WQMP or similar shall be submitted for Caltrans review showing that offsite runoff will be treated prior to entering Caltrans ROW.

26. If dewatering is anticipated, dewatering activities must be conducted outside Caltrans ROW.

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Encroachment Permits

27. Any project work proposed within Caltrans right-of-way requires an Encroachment Permit and all environmental concerns must be addressed. If the environmental documentation for the project does not meet Caltrans requirements, additional documentation would be required before approval of the Encroachment Permit. For application forms and specific details on Caltrans Encroachment Permits procedure, please refer to Encroachment Permits Manual. The latest edition of the Manual is available on: http://www.dot.ca.gov/trafficops/ep/apps.html.

Please continue to coordinate with Caltrans for any future developments that could potentially impact State transportation facilities. If you have any questions, please do not hesitate to contact Matthew Fluhmann, at (657) 328-6310 or Matthew.Fluhmann@dot.ca.gov.

Sincerely,

Scott Shelley
Branch Chief, Regional-IGR-Transit Planning
District 12

A4-14
Cont.

Response to Comment Letter A4

Caltrans (California Department of Transportation)
Scott Shelley, District 12 Branch Chief, Regional-IGR-Transit Planning
October 15, 2020

A4-1 This comment introduces the California Department of Transportation (Caltrans), states the agency's role, and provides a summary of the proposed Facilities Master Plan (FMP). This comment does not raise an issue pertinent to the content or adequacy of the Draft PEIR, and no further response is required or necessary.

A4-2 This comment states that Caltrans' previous comments in the attached Caltrans letter dated August 23, 2019, submitted during the scoping period, still apply. This comment is noted. The comments in the August 23, 2019, letter have been addressed in both the Draft PEIR and throughout this response to comments.

A4-3 This comment summarizes the Draft PEIR's analysis that several FMP projects will result in potentially significant transportation impacts, including lane or shoulder closures, and thus, a Traffic Management Plan and a Construction Traffic Control Plan is required for Caltrans review, comment, and approval prior to any construction activity during the encroachment permit process. This comment is noted. As discussed in Section 4.13, Transportation, of the Draft PEIR, mitigation measure MM-TRA-1 will be required to reduce potentially significant transportation impacts to a less-than-significant level. Per MM-TRA-1, the Orange County Sanitation District (Sanitation District) will be required to develop and submit a Traffic Management Plan and a Construction Traffic Control Plan to Caltrans for review, comment, and approval prior to the initiation of any construction activity within a Caltrans right-of-way.

A4-4 This comment states that coordination between the Sanitation District and Caltrans would be required for FMP project 7-66, which is in the vicinity of Caltrans project 12-0J340. This comment is noted. Given that a portion of FMP project 7-66 would be located directly underneath State Route (SR) 55, the Sanitation District will ensure that it coordinates with Caltrans regarding this project.

A4-5 This comment states that it is anticipated that a large percentage of workers, vendor trucks, and haul trucks will use the intersection of Pacific Coast Highway (PCH) and Brookhurst during FMP construction activities at Plant 2. Additionally, it is requested within the comment that the Sanitation District submit a study for peak-hour level of service and queuing for the intersection of PCH (similar to the study at Brookhurst and Banning Street) to demonstrate that no additional mitigation is needed to address potential traffic impacts at this intersection. Per Table 4.13-2, Peak Period Trip Generation – Plant 2 and Joint Plant Improvements, in Section 4.13, Transportation, of the Draft PEIR, the highest daily trip generation to/from Plant 2 during the FMP construction activities at Plant 2 would be 149 daily trips in passenger-car equivalents (PCE), which takes into account truck traffic, 48 AM peak-hour PCE trips, and 48 PM peak-hour PCE trips. A majority of these trips would be generated for construction purposes, and as individual FMP projects are completed, those trips would be removed from the street network. Based on experience from previous projects, the majority of construction-related traffic would originate, and be destined to, Interstate 405 to the north of Plant 2, rather than PCH. Assuming a conservative distribution of 20% of construction traffic on PCH to/from Plant 2, FMP trip generation estimates would be 30 daily PCE trips, 10 AM peak-hour PCE trips, and 10 PM peak-hour PCE trips. Based on existing (2017) AM and PM peak-hour traffic volumes at the Brookhurst Street/PCH intersection (City of Huntington Beach General Plan Circulation Element 2017), the peak-hour contribution of peak FMP

construction activities through the intersection would be less than 1% during both peak hours (0.2% during AM peak hour and 0.2% during PM peak hour). The FMP's traffic contribution of 0.2% to the intersection during both peak hours would not have a measurable impact to traffic operations (levels of service and queuing) at the intersection. Therefore, no additional mitigation measures would be required. Furthermore, as of July 1, 2020, Senate Bill (SB) 743 requires that transportation impacts be determined using the vehicle miles traveled metric instead of the level of service metric.

A4-6 This comment states that the Sanitation District is required to coordinate its work with Caltrans regarding the ongoing Interstate 405 widening project (as stated within the previous Caltrans letter dated August 23, 2019). This comment is noted. The Sanitation District fully intends to and will coordinate with Caltrans regarding FMP project construction activities, as applicable.

A4-7 See response to comment A4-6.

A4-8 This comment states that a Traffic Management Plan must include consideration for the safety and mobility of bicyclists on all roadways during construction because bicyclists are legally allowed to ride on any roadway, except where signage indicates otherwise, regardless of whether there is a designated bike facility on that road. This comment is noted. Per MM-TRA-1, the Sanitation District will be required to develop and submit a Traffic Management Plan and a Construction Traffic Control Plan to Caltrans for review, comment, and approval prior to the initiation of any construction activity within a Caltrans right-of-way. The Sanitation District will ensure that the Traffic Management Plan considers the safety and mobility of bicyclists and pedestrians during construction.

A4-9 This comment summarizes the Draft PEIR's analysis that construction activities would be required to comply with the requirements of the National Pollution Discharge Elimination System (NPDES) Construction General Permit and local municipal NPDES permits. These requirements include, among other things, implementing best management practices during construction to protect water quality from stormwater and non-stormwater discharges. The comment states that similar requirements would be required of the Sanitation District when it requests an encroachment permit for work within a Caltrans right-of-way. This comment is noted. As discussed in Section 4.9, Hydrology and Water Quality, of the Draft PEIR, the Sanitation District will comply with the requirements of the NPDES Construction General Permit and other local municipal NPDES permits and will implement best management practices during construction to protect water quality from stormwater and non-stormwater discharges. The Sanitation District will ensure that the best management practices are detailed when requesting an encroachment permit from Caltrans.

A4-10 This comment references the comments regarding hydraulics in the comment letter dated August 23, 2019, and states that those comments still apply. The comments referenced are hydrology guidelines that pertain to drainage patterns, discharges, and review of construction plans by Caltrans. The Sanitation District will follow these hydrology guidelines and submit FMP project plans to Caltrans as necessary, in accordance with MM-TRA-1.

A4-11 This comment states that encroachment permit applications must be made before any construction work commences in a Caltrans right-of-way. All construction in a Caltrans right-of-way must conform to Caltrans policies, procedures, and standards, and proposed designs must be submitted to Caltrans for review and comment for compliance. This comment is noted. The Sanitation District intents to obtain an encroachment permit as necessary. Additionally, when FMP project construction activities encroach on a Caltrans right-of-way, the Sanitation District will submit all project plans to Caltrans for review and comment (as also required by MM-TRA-1).

A4-12 This comment states that any work requiring a Caltrans encroachment permit must have the adequate environmental documentation prior to issuance of the encroachment permit. This comment is noted. The Sanitation District will comply with CEQA's requirements, as applicable.

A4-13 This comment requests that the Sanitation District coordinate with Caltrans for future developments that could potentially affect state transportation facilities. The Sanitation District will ensure that it coordinates with Caltrans throughout the life of the FMP.

A4-14 This comment is the Caltrans letter dated August 23, 2019, submitted by Caltrans during the FMP's scoping period. The comment letter details construction and planning requirements by which the Sanitation District would be required to comply, and requests that the Sanitation District coordinate with Caltrans. The Sanitation District will ensure that it coordinates with Caltrans throughout the life of the FMP and complies with all Caltrans requirements.

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Comment Letter A5

ORANGE COUNTY
OC Public Works

October 16, 2020

NCL-20-0016

Kevin Hadden
Principal Staff Analyst
Orange County Sanitation District
10844 Ellis Avenue
Fountain Valley, California 92708

Subject: Orange County Sanitation District Facilities Master Plan

Dear Kevin:

The County of Orange has reviewed the proposed Notice of Availability of a Program Environmental Impact Report for the Orange County Sanitation District Facilities Master Plan and has no comments at this time. We would like to be advised of further developments on the project. Please continue to keep us on the distribution list for future notifications related to the project. A5-1

If you have any questions, please contact Steven Giang at (714) 667-8816 in OC Development Services.

Sincerely,

Richard Vuong, Interim Deputy Director
OC Public Works Service Area/OC Development Services
601 North Ross Street
Santa Ana, California 92701
Richard.Vuong@ocpw.ocgov.com

County Administration South
601 North Ross Street
Santa Ana, California 92701

P.O. Box 4048
Santa Ana, CA 92702-4048

(714) 667-8800

info@ocpw.ocgov.com

OCPublicWorks.com

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Response to Comment Letter A5

Orange County Public Works
Richard Vuong, Interim Deputy Director
OC Public Works Service Area/OC Development Services Department
October 16, 2020

A5-1 This comment states that the County of Orange has reviewed the Facilities Master Plan's (FMP) Notice of Availability and has no comments at this time. The County of Orange requests to be advised of further developments on the FMP. The Orange County Sanitation District thanks the County of Orange for its review of the Draft PEIR and will ensure that it will coordinate with the County of Orange throughout FMP project implementation, as applicable.

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Comment Letter A6

City of Anaheim
PLANNING AND BUILDING DEPARTMENT

October 16, 2020

Kevin Hadden
Principal Staff Analyst
Orange County Sanitation District
10844 Ellis Avenue
Fountain Valley, California 92708

by email to:
CEQA@ocsd.com

Subject: Notice of Availability of a Program Environmental Impact Report (EIR) for the Orange County Sanitation District Facilities Master Plan

Dear Mr. Hadden:

Thank you for the opportunity to review and comment on the Notice of Availability of a Program Environmental Impact Report (EIR) for the Orange County Sanitation District Facilities Master Plan document. The City of Anaheim staff offers the following comments: A6-1

Public Works Department: Traffic Engineering Division:

Please contact Neelam Dorman at 714-765-4957 or NDorman@anaheim.net with questions pertaining to these comments. The City of Anaheim is open to discuss the traffic items in more detail to assist in resolving these comments. A6-2

Draft PEIR Comments:

- Right of Way Construction Permit (RCP) – All work within the right-of way will require a Right-of-Way Construction Permit. All work shall be in accordance with the applicable sections of Standard Specifications for Public Works Construction, City of Anaheim Standard Plans, contract documents and standard specification supplement and the latest revisions thereof. Contact PWEPC@anaheim.net or (714) 765-5176 for any questions regarding the City's process. A6-3
- Traffic Control – All work along the City of Anaheim's roadway network shall require a Traffic Control Plan in accordance with the California Manual on Uniform Traffic Control Devices (CAMUTCD). A6-4
- Transportation Mitigation Plan (TMP) – A transportation mitigation plan may be required as determined by the City Traffic Engineer, to accurately determine the construction impacts, traffic mitigations and public outreach coordination for the project. The TMP shall, at a minimum, consist of a Temporary Traffic Control (TTC) plan and address both Transportation Operations (TO) and Public Information (PI) coordination requirements necessary to implement the project. A6-5

200 S. Anaheim Blvd
Suite #276
Anaheim, CA 92805
Tel: (714) 765-5176

www.anaheim.net

- Traffic Signals Impacts – a potential OCSD pipeline project with the City of Anaheim may be required to fund signalization improvements because of mitigating construction traffic impacts. To appropriately manage traffic during construction, the City may need to install fiber communication networks, video detection cameras, closed-circuit television (CCTV) traffic monitoring cameras and associated equipment along the impacted corridors. All video feeds would need to be accessible from the Anaheim Traffic Management Center where city staff would modify signal timing and phasing, as needed, to accommodate lane closures and traffic conditions related to the construction.

A6-6

If you have any questions regarding this response, please do not hesitate to contact me at (714) 765-5238 or auk@anaheim.net.

A6-7

Sincerely,

Andy Uk
Associate Planner

Response to Comment Letter A6

City of Anaheim
Andy Uk, Associate Planner
October 16, 2020

A6-1 This comment is an introduction to comments to follow. No further response is required or necessary.

A6-2 This comment is an introduction to comments to follow. No further response is required or necessary.

A6-3 This comment states that a Right-of-Way Construction Permit is necessary for all work within the City of Anaheim's right-of-way. In addition, the comment states that all work must be in accordance with the applicable sections of Standard Specifications for Public Works Construction, City of Anaheim Standard Plans, contract documents, and standard specification supplement and the latest revisions thereof. This comment is noted. The Orange County Sanitation District (Sanitation District) intends to obtain a Right-of-Way Construction Permit for all work within the right-of-way, and construct all improvements in accordance with the applicable sections of Standard Specifications for Public Works Construction, City of Anaheim Standard Plans, contract documents, and standard specification supplement and the latest revisions thereof. Additionally, mitigation measure MM-TRA-1 requires that the Sanitation District submit plans and engineering documents to the City of Anaheim's Public Works Department prior to the initiation of construction. Compliance with MM-TRA-1 would provide the City of Anaheim an opportunity to review project plans and ensure that the Sanitation District obtains the requisite permits.

A6-4 This comment states that all work along the City of Anaheim's roadway network requires a Traffic Control Plan in accordance with the California Manual on Uniform Traffic Control Devices (CAMUTCD). This comment is noted. Per MM-TRA-1, the Sanitation District will be required to prepare and submit a Traffic Control Plan to the City of Anaheim to mitigate potential construction traffic impacts. The Traffic Control Plan would be developed in accordance with the CAMUTCD.

A6-5 This comment states that a transportation mitigation plan may be required as determined by the City of Anaheim Traffic Engineer to accurately determine the construction impacts, traffic mitigations, and public outreach coordination for Facilities Master Plan (FMP) projects. The transportation mitigation plan must, at a minimum, consist of a temporary traffic control plan and address transportation operations and public information coordination requirements necessary to implement FMP projects. This comment is noted. Per MM-TRA-1, the Sanitation District will be required to prepare the applicable transportation mitigation plan to address potential construction traffic impacts.

A6-6 This comment states that the Sanitation District may be required to fund signalization improvements to further mitigate construction traffic impacts, in addition to preparing a transportation mitigation plan. Signal improvements may include fiber communication networks, video detection cameras, and closed-circuit television traffic monitoring cameras. As discussed in response to comment A6-5, per MM-TRA-1, the Sanitation District will be required to prepare the applicable transportation mitigation plan, inclusive of the components required by the City of Anaheim requirements subject to applicable legal restrictions on exactions, to address potential construction traffic impacts.

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Comment Letter A7

City of La Habra
"A Caring Community"

COMMUNITY DEVELOPMENT

110 E. La Habra Boulevard
Post Office Box 337
La Habra, CA 90633-0785
Office: (562) 383-4100
Fax: (562) 383-4476

October 15, 2020

Mr. Kevin Hadden
Principal Staff Analyst
Orange County Sanitation District
10844 Ellis Avenue
Fountain Valley, California 92708

Re: Notice of Availability of Environmental Impact Report for the Orange County Sanitation District Facilities Master Plan

Dear Mr. Hadden,

Thank you for the opportunity to review the Notice of Availability of Environmental Impact Report for the project known as the "Orange County Sanitation District Facilities Master Plan". As you are aware, CEQA allows communities to comment on projects which may impact their particular communities. Based on the project description and location, it is not anticipated that this project will have an impact on the City of La Habra.

Should changes occur that increases the scope of the project, please provide us with sufficient notification prior to consideration of the project. The City reserves the right to comment on any proposed changes.

If you should have any questions, please feel free to contact me at (562) 383-4100.

A7-1

Sincerely,

Carlos Jaramillo
Deputy Director of Community Development

cc: Jim Sadro, City Manager
Andrew Ho, Director of Community and Economic Development
Robert Ferrier, Assistant to the City Manager

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Response to Comment Letter A7

City of La Habra
Carlos Jaramillo, Deputy Director of Community Development
October 15, 2020

A7-1 This comment states that the City of La Habra has reviewed the Facilities Master Plan's (FMP) Notice of Availability and has no comments at this time. The City of La Habra requests to be advised of further developments on the FMP. The Orange County Sanitation District thanks the City La Habra for its review of the Draft PEIR, and will ensure that it coordinates with the City La Habra throughout FMP project implementation, as applicable.

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Comment Letter I1

From: Christopher Stratton
Sent: Saturday, September 5, 2020 12:58 PM
To: CEQA
Subject: EXTERNAL: P2-126 Questions

Good afternoon Kevin,

I'm writing to ask about the scope of project P2-126.

I'm particularly concerned about any new emissions coming from this area in terms of chemicals or human waste by-products. Can you give me a little more clarity on what will be entailed in this project? As best I can tell it's a warehouse and power station, which shouldn't have emissions, but it does discuss Methane in the PEIR that you all sent out. I1-1

Could you comment further on what exactly will be there and what sort of emissions it will be releasing into the air?

With thanks,
Chris
[redacted]

Rev. Christopher Stratton
Academic Dean, History & Theology Chair
[redacted] | pacificaoc.org

PACIFICA CHRISTIAN
GRATIA ET VERITAS

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Response to Comment Letter I1

Pacifica Christian
Rev. Christopher Stratton
Academic Dean, History & Theology Chair
September 5, 2020

I1-1 This comment contains questions regarding Facilities Master Plan (FMP) project P2-126, particularly with regard to air emissions. FMP project P2-126 is the Substation and Warehouse Replacement project at Plant 2, which entails moving the existing 21,000-square-foot, above-grade warehouse north of the existing facility on site. The existing facility would be demolished and reconstructed in the new location. The new warehouse will be located close to the new substation, at the north side of Plant 2, and will have a similar overall footprint as the existing warehouse, including the storage yard. This FMP project would add a second Southern California Edison power supply and a 66-kilovolt (kV) incoming distribution line to Orange County Sanitation District (Sanitation District) Plant 2, and would involve construction of a new 66 kV to 12.47 kV substation. The new substation would include two incoming 66 kV lines and two 66 kV to 12.47 kV transformers. The Sanitation District's existing substation at Plant 2 currently relies on a single incoming 66 kV line and a single 66 kV to 12.47 kV transformer. A failure in the existing incoming 66 kV line or in the transformer could result in an extended outage to utility power. The existing substation would be demolished once the new substation is in service; the replacement substation would be similar in size and configuration. Southern California Edison would construct, operate, and maintain the substation.

This FMP project would also involve construction of a new 2,787-square-foot Electric Service Center Building in place of the old one (constructed in 1990), which would include physical separation of various electrical distribution components (e.g., 12 kV switchgear, 480-volt panel board, and direct current battery system) to reduce the risk of a single point of failure when shutting down power to critical process areas. The existing main electrical service equipment at Plant 2 is in the same room, which could result in loss of electrical power to critical process areas during a fire or other catastrophic event. To improve electrical system reliability and resiliency, this FMP project would involve construction of a new Electric Service Building with two separate and dedicated fire-rated electrical rooms. It would provide power to the new warehouse building. The Electrical Service Center would be located in the vicinity of the new substation and new warehouse, and the exact location will be determined during project development. The existing Electric Service Center would be demolished once the new Electrical Service Center is in service. The replacement Electric Service Center would be similar in size and configuration as the old one. Existing Southern California Edison power line easements go across Plant 2 parallel with Banning Avenue and Brookhurst Street. The power lines parallel to Brookhurst Street may shift slightly in location to accommodate connection to the new substation, but this would not be substantially different in location or height from the existing power poles.

As discussed above, this project is primarily a project relating to electrical infrastructure and equipment storage. Aside from chemicals potentially being stored on site at the warehouse,[1] the buildings that

[1] The storage and handling of chemicals and other hazardous materials is discussed in Section 4.8, Hazards and Hazardous Materials, of the Draft PEIR. As discussed, hazardous materials used for operation at Plant 1, Plant 2, and throughout the collection system would be stored and handled in accordance with manufacturer recommendations and managed in accordance with federal, state, and local laws and regulations. Compliance with these regulations would minimize health risk to the public, and impacts would be less than significant.

would be constructed as part of this FMP project would not be used in any way for wastewater treatment, and as such, there is no potential for this project to result in chemical emissions or emissions from human waste by-products.[2] Notwithstanding, the Draft PEIR does disclose that the project could result in both air pollutant emissions and greenhouse gas emissions, including methane, during construction. These discussions are summarized below. With implementation of mitigation, impacts would be less than significant.

Air pollutant emissions. As discussed in Section 4.2, Air Quality, of the Draft PEIR, construction of the FMP project would result in the use of heavy machinery, such as excavators, cranes, and dump trucks. Operation of this machinery would result in the emissions of criteria air pollutants such volatile organic compounds, nitrogen oxide, carbon monoxide, sulfur oxide, and particulate matter (PM_{10} and $PM_{2.5}$); however, these emissions are common with all construction activities, and with implementation of mitigation measure MM-AQ-1 (which requires use of more efficient construction equipment), construction air quality impacts would below levels established by the South Coast Air Quality Management District for the purposes of protecting the region's air quality. In addition, a construction health risk assessment (Appendix D of the Draft PEIR) was prepared to assess the potential for toxic air contaminants and hazardous air pollutants associated with construction tailpipe emissions to result in adverse health effects on surrounding workers and residents. The construction health risk assessment concluded that, with implementation of MM-AQ-1, the FMP's health risk impacts associated with construction would be less than significant. Upon completion of construction activities for FMP project P2-126, the project would not result in the emission of any air pollutants.

Greenhouse gas emissions (methane). Section 4.7, Greenhouse Gas Emissions, of the Draft PEIR assessed methane in the following two ways:

Methane generated during construction. The greenhouse gas (GHG) emissions section in the Draft PEIR estimates GHG emissions generated during FMP project construction. GHG emissions, including methane, are released during construction activities, including exhaust from construction equipment and vehicles. Methane is a principal GHG; however, it does not have localized or regional human health effects like criteria air pollutants do (aside from as a potential explosion hazard, discussed in Section 4.8, Hazards and Hazardous Materials, of the Draft PEIR[3]). As discussed in Section 4.7, Greenhouse Gas Emissions, of the Draft PEIR, the primary concern with anthropogenic methane release into the atmosphere is its contribution to enhancing the greenhouse effect, which causes the Earth's surface temperature to rise, and the associated adverse effects of climate change. Methane emissions from construction were estimated using the California Emissions Estimator Model (CalEEMod), which is the industry standard emissions estimator model recommended by the South Coast Air Quality Management District, and was estimated based on project-specific construction information and CalEEMod default values (e.g., emissions factors for equipment and vehicles). Potential impacts associated with project-generated GHG emissions, including methane, were determined to be less than significant.

[2] Note that even if the buildings constructed as part of the FMP project were facilities to treat wastewater, the Sanitation District operates all of its wastewater treatment facilities in compliance with all applicable regulatory requirements such that operations would not result in a nuisance to the public or pose a threat to public health.

[3] As discussed in Section 4.8, Hazards and Hazardous Materials, of the Draft PEIR, when methane accumulates, it is highly flammable and may cause explosions.

Existing methane districts. Hazards of concern in for FMP project P2-126 include several plugged oil and gas wells. The area for FMP project P2-126 is also located within the Huntington Beach Methane District. Ground-disturbing activities in methane districts and near oil and gas wells have the potential to cause a release of methane gas into the environment, and construction over or near a plugged oil and gas well could create a methane intrusion hazard inside buildings. As such, the Draft PEIR includes a mitigation measure (MM-HAZ-2) that requires following the applicable methane district guidance and conducting a methane survey prior to ground-disturbing activities. As noted in MM-HAZ-2, appropriate health and safety measures will be implemented based on the results of the survey and requirements of the methane district. In addition, oil and gas wells that require abandonment will be handled in accordance with the regulatory agency requirements.

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Comment Letter I2

From: Cliff Ranney
Sent: Tuesday, September 8, 2020 9:49 AM
To: CEQA
Subject: OCSD Facilities Master Plan

Hello,

I live at [redacted]. I back up to the 405 with the OCSD pipelines inbetween. My property also has a OCSD easement under my garage buildout. I was wondering if the planned work has any defined work that would affect the existing building? I2-1

Thank you
Cliff Ranney
[redacted]

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Response to Comment Letter I2

Resident
Cliff Ranney
September 8, 2020

I2-1 This comment provides the commenter's address and questions whether Facilities Master Plan (FMP) project work would affect the commenter's property. FMP project 7-65 (Gisler-Red Hill Interceptor Rehabilitation) would be located immediately adjacent to (and partially beneath) the commenter's property. This project would rehabilitate the Gisler-Redhill Interceptor from a diversion utility manhole near the Main Street Pump Station to the College Avenue Pump Station. The project is expected to repair or replace 38 utility manholes and rehabilitate approximately 15,000 feet of clay pipe sewer ranging from 24 inches to 60 inches in diameter in Costa Mesa. Construction activities are anticipated to begin in fall 2022 and last until winter 2024. However, the FMP project would not affect the commenter's property because project activities within the area would be limited to non-invasive pipe rehabilitation (i.e., internal lining) and would not require above-ground disturbance, with the exception of construction traffic over the Orange County Sanitation District's easement and digging around a utility manhole (away from the commenter's property) or in the case of an unforeseen circumstances.

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References

City of Huntington Beach. 2017. "Circulation Element." *City of Huntington Beach General Plan*. October 2, 2017. https://www.huntingtonbeachca.gov/files/users/planning/Circulation_Element.pdf.

City of Santa Ana. 2020. "Mobility Element." *Santa Ana General Plan Public Review Draft*. September 28, 2020. https://www.santa-ana.org/sites/default/files/pb/general-plan/documents/Draft%20General%20Plan/Sept%20Draft%20Elements/02_Mobility_draft_20200928.pdf.

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3 Changes to the Draft PEIR

3.1 Introduction

As provided in Section 15088(c) of the California Environmental Quality Act (CEQA) Guidelines, responses to comments may take the form of a revision to a Draft Environmental Impact Report (EIR) or may be a separate section in a Final EIR. This chapter of the Final Program EIR (PEIR) complies with the latter option and provides changes to the Draft PEIR in strikethrough text (i.e., ~~strikethrough~~) signifying deletions, and underlined text (i.e., underline) signifying additions. These notations are meant to provide clarification, corrections, or minor revisions identified during the review period or as a result of public comments received for the proposed Orange County Sanitation District (Sanitation District) Facilities Master Plan (FMP) since the release of the Draft PEIR, as required by Section 15132 of the CEQA Guidelines. None of the corrections or additions constitutes significant new information or substantial project changes requiring recirculation of the PEIR, as defined by Section 15088.5 of the CEQA Guidelines.

3.2 Changes to the Draft PEIR

Changes to the Draft PEIR are provided in this section. Page numbers correspond to the Draft PEIR.

3.2.1 Changes to Chapter 3, Project Description

Section 3.4.4, Joint Plant Improvements, page 3-16

Laboratory Rehabilitation or Replacement at Plant 1 (J-133)

This project would rehabilitate or replace the 40,000-square-foot Plant 1 Laboratory Building to be in compliance with current building codes and allow the building to be permitted by the City of Fountain Valley. The rehabilitation would also include modifications to improve lab testing abilities, operation functionality, supporting utility replacement, seismic upgrades, and roof replacement. As regulations change, upgrades to this building may include additional equipment or the addition of more efficient equipment.

Section 3.4.5, Collection System Improvements, page 3-19

Seal Beach Pump Station Replacement (3-67)

The Seal Beach Pump Station is located at 13900 Seal Beach Boulevard, north of Westminster Boulevard. Project 3-67 would construct a replacement pump station adjacent on the existing facility and demolish the old facility once the new one is put into service. The replacement pump station would have a deeper wet well to allow gravity flow from the future extension of the Los Alamitos Sub-Trunk from the West Side Pump Station to the Seal Beach Pump Station (project 3-68), thus allowing the West Side Pump Station to be abandoned. There is an existing temporary emergency diesel-fueled generator which will be replaced with a permanent diesel-fueled emergency generator. The project would also include odor control improvements of vapor-phase and liquid-phase treatment at the pump station to minimize both upstream and downstream odors and corrosion.

3.2.2 Changes to Section 4.2, Air Quality

Because the changes to the air quality chapter were comprehensive in response to an AQMD comment letter, the chapter in its entirety can be found in Appendix A to this Final EIR.

3.2.3 Changes to Section 4.5, Energy

Because the changes to the energy chapter were comprehensive in response to an AQMD comment letter, the chapter in its entirety can be found in Appendix A to this Final EIR.

3.2.4 Changes to Section 4.7, Greenhouse Gas Emissions

Because the changes to the greenhouse gas emissions chapter were comprehensive in response to an AQMD comment letter, the chapter in its entirety can be found in Appendix A to this Final EIR.

3.2.5 Changes to Section 4.1, Aesthetics

Section 4.1.5, Mitigation Measures, p. 4.1-20

MM-AES-1 **Construction Screening at Plant 1 and Plant 2.** For Facilities Master Plan projects located within Reclamation Plant No. 1 or Treatment Plant No. 2, prior to commencement of construction, the Sanitation District shall screen views of ground level construction activities from public view with fencing~~,~~ or vegetation~~, or buildings~~. If there are gaps in these existing barriers that allow construction activities to be viewed from public viewpoints, the Orange County Sanitation District shall install temporary visual screening barriers within these viewing windows to minimize the visual impacts of construction activities.

3.2.5 Changes to Section 4.11, Noise

Section 4.11,5, Approach and Methodology, Page 27

Operation

Noise emissions from FMP project operations are anticipated to be the same as existing conditions. The FMP projects would rehabilitate, replace, or abandon existing facilities that currently produce relatively varying levels of noise during ongoing operations and maintenance activity.[4] Because the FMP projects addressed in this PEIR do not propose additions of or appreciable changes to regular operations and maintenance activity by Sanitation District personnel, additional operational noise would not be created as a result of implementation of the FMP.

[4] For example, at the Seal Beach Pump Station, facility improvements would include installation of a new permanent emergency generator, this would be the only facility in which a replacement generator is proposed. The emergency generator would only be used in case of external power outage and for periodic testing. Furthermore it would be fully enclosed within a solid masonry structure, and the nearest noise-sensitive land uses (residences to the west) would be approximately 800 feet away; intervening buildings and a residential property wall as well as a busy arterial roadway would further ensure that any noise increase would be negligible or nonexistent.

3.2.6 Changes to Section 4.12, Public Services

Section 4.12.1, Existing Conditions, Pages 1–2

The Orange County Fire Authority (OCFA) is a regional fire service agency that serves ~~24~~ 23 cities in Orange County and all unincorporated areas (OCFA 2020). OCFA regionally provides fire, emergency medical, and rescue services to more than ~~1,984,758~~ 1,930,385 residents. There are ~~79~~ 77 fire stations that provide regional emergency response for all fires, medical aids, rescues, hazardous materials incidents, wildland fires, aircraft fires, and rescue services at John Wayne Airport, and for other miscellaneous emergencies (OCFA 2020). Jurisdictions in Orange County that are not served by OCFA operate under individual city fire departments.

Table 4.12-1. Fire Jurisdiction Summary

Jurisdiction	Fire Jurisdiction	Address
City of Anaheim	City of Anaheim Fire Department	201 South Anaheim Boulevard, Suite 301 Anaheim, California 92805
City of Brea	City of Brea Fire Department	1 Civic Center Circle Brea, California 92821
Cities of Buena Park, Cypress, Garden Grove, Irvine, La Palma, Los Alamitos, Orange, Placentia, Santa Ana, Seal Beach, Stanton, Tustin, Villa Park, and Westminster	Orange County Fire Authority	1 Fire Authority Road Irvine, California 92602
City of Costa Mesa	City of Costa Mesa Fire Department	77 Fair Drive Costa Mesa, California 92626
City of Fountain Valley	City of Fountain Valley Fire Department	10200 Slater Avenue Fountain Valley, California 92708
City of Fullerton	City of Fullerton Fire Department	312 East Commonwealth Avenue Fullerton, California 92832
City of Huntington Beach	City of Huntington Beach Fire Department	2000 Main Street Huntington Beach, California 92648
City of La Habra	Los Angeles County Fire Department	1320 North Eastern Avenue Los Angeles, California 90063
City of Newport Beach	City of Newport Beach Fire Department	100 Civic Center Drive Newport Beach, California 92660
City of Placentia	City of Placentia Fire Department	116 South Bradford Avenue Placentia, California 92870

Note: The City of Costa Mesa is serviced by the Costa Mesa Sanitary District and the City of Westminster is serviced by the Midway City Sanitary District. Both are Member Agency special districts located within the Sanitation District's service area.

3.2.7 Changes to Section 4.13, Transportation

Section 4.13.1, Existing Conditions, Page 3

Greenville Street is a north/south, two- to four-lane divided and undivided roadway with a two-way left-turn lane between Warner Avenue and Alton Avenue. The southern portion of the Greenville–Sullivan Sewer Relief collection system project (X-083) stretches from Alton Avenue to Edinger Avenue along Greenville Street. Greenville Street is designated as a secondary arterial by the Santa Ana Active Transportation Plan (City of Santa Ana 2019) and stretches from Sunflower Avenue to Edinger Avenue within Santa Ana. As of September 2020, the City of Santa Ana is proposing to update its General Plan, which includes designating Greenville Avenue as a Divided Collector/Collector on its Draft Mobility Element (City of Santa Ana 2020). Additionally, the City of Santa Ana has plans for an active transportation project on Greenville Avenue between Edinger Avenue and Segerstrom Avenue, which would restripe the roadway to two lanes and incorporate bicycle facilities. The posted speed limit along Greenville Street ranges from 25 to 35 mph.

3.3 Reference

City of Santa Ana. 2020. "Mobility Element." *Santa Ana General Plan Public Review Draft*. September 28, 2020. https://www.santa-ana.org/sites/default/files/pb/general-plan/documents/Draft%20General%20Plan/Sept%20Draft%20Elements/02_Mobility_draft_20200928.pdf.

4 Mitigation Monitoring and Reporting Program

4.1 Introduction

California Public Resources Code, Section 21081.6, requires that, upon certification of an Environmental Impact Report, "the public agency shall adopt a reporting or monitoring program for the changes made to the project or conditions of project approval, adopted in order to mitigate or avoid significant effects on the environment. The reporting or monitoring program shall be designed to ensure compliance during project implementation."[1]

This Mitigation Monitoring and Reporting Program has been developed in compliance with Section 21081.6 of the California Public Resources Code and Section 15097 of the California Environmental Quality Act Guidelines,[2] and includes the following information:

- A list of mitigation measures
- The timing for implementation of the mitigation measures
- The party responsible for implementing or monitoring the mitigation measures

The Orange County Sanitation District must adopt this Mitigation Monitoring and Reporting Program (Table 4-1), or an equally effective program. Moving forward, Orange County Sanitation District will review the mitigation measures and subject them to applicable capital projects after they begin.

1 California Public Resources Code, Section 21000–21189. California Environmental Quality Act, as amended.
2 14 CCR 15000–15387 and Appendices A–N. Guidelines for Implementation of the California Environmental Quality Act, as amended.

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Table 4-1. Mitigation Monitoring and Reporting Program

Mitigation Measure	Implementation Timing	Agency Responsible
Aesthetics		
MM-AES-1: Construction Screening at Plant 1 and Plant 2. For Facilities Master Plan projects located within Reclamation Plant No. 1 or Treatment Plant No. 2, prior to commencement of construction, the Sanitation District shall screen views of ground level construction activities from public view with fencing or vegetation. If there are gaps in these existing barriers that allow construction activities to be viewed from public viewpoints, the Orange County Sanitation District shall install temporary visual screening barriers within these viewing windows to minimize the visual impacts of construction activities.	During construction.	Sanitation District
MM-AES-2: Construction Lighting. Should nighttime construction be required, a construction safety lighting plan shall be submitted to the Orange County Sanitation District Director of Engineering for review and approval prior to any nighttime construction activities. The Construction Safety Lighting Plan shall require that all construction-related lighting fixtures (including portable fixtures) shall be oriented downward and away from adjacent sensitive areas (including residential and biologically sensitive areas) and that all lighting shall consist of the minimal wattage necessary to provide safety at the construction site.	Prior to construction.	Sanitation District
MM-AES-3: Operational Lighting. All new permanent exterior lighting associated with Facilities Master Plan project facilities shall be shielded and directed downward to minimize any light intrusion to surrounding uses. Development of the FMP facilities shall comply with existing and future lighting ordinances of each applicable jurisdiction. Per these requirements, all outdoor lighting fixtures shall be designed, shielded, aimed, located, and maintained to minimize impacts to adjacent sites and to not produce glare onto adjacent sites or roadways.	Designed pre-construction and verified post-construction.	Sanitation District
Air Quality		
MM-AQ-1: Prior to the commencement of construction activities for each project, the Orange County Sanitation District (Sanitation District) shall require its construction contractor to demonstrate that all 50-horsepower or greater diesel-powered equipment is powered with California Air Resources Board (CARB)-certified Tier 4 Final engines. An exemption from this requirement may be granted if (1) the Sanitation District documents equipment with Tier 4 Final engines are not reasonably available, and (2) the required corresponding reductions in criteria air pollutant emissions can be achieved for the project from other combinations of construction equipment. Before an exemption may be granted, the Sanitation District's construction contractor shall: (1) demonstrate that at least two construction fleet owners/operators in Orange County were contacted and that those owners/operators confirmed Tier 4 Final equipment could not be located within Orange County during the desired construction schedule; and (2) the proposed replacement equipment has been evaluated using California Emissions Estimator Model (CalEEMod) or other industry standard emission estimation method	Prior to construction.	Sanitation District

Table 4-1. Mitigation Monitoring and Reporting Program

Mitigation Measure	Implementation Timing	Agency Responsible
and documentation provided to the Sanitation District to confirm that project-generated emissions do not exceed applicable South Coast Air Quality Management District (SCAQMD) mass daily thresholds, the applicable SCAQMD localized significance thresholds, or the SCAQMD carcinogenic (cancer) risk threshold.		
Biological Resources		
MM-BIO-1: Nesting Bird Avoidance. Construction activities for project-level and program-level projects shall avoid the migratory bird nesting season (typically February 1 through August 31), to reduce any potential significant impact to birds that may be nesting within 500 feet of project sites. If construction activities must occur during the migratory bird nesting season, an avian nesting survey of the project site and suitable habitat within 500 feet of the site shall be conducted for protected migratory birds and active nests. The avian nesting survey shall be performed by a qualified biologist meeting the standards in the field within 72 hours prior to the start of construction in accordance with the Migratory Bird Treaty Act (16 USC 703–712) and California Fish and Game Code, Sections 3503, 3503.5, and 3513. If an active bird nest is found, the nest shall be flagged and an appropriate buffer established around the nest, which shall be determined by the biologist based on the species' sensitivity to disturbance (up to 300 feet for passerines and up to 500 feet for raptors and special-status species). The nest area shall be avoided until the nest is vacated and the juveniles have fledged. No project activities may encroach into the buffer until a qualified biologist has determined that the nestlings have fledged, and the nest is no longer active.	Prior to and during construction.	Sanitation District
MM-BIO-2: Special-Status Species Surveys and Mitigation. For any program-level projects identified in this program environmental impact report (PEIR) that may result in a significant impact to a special-status species, a biological reconnaissance of the project site will be conducted by a qualified biologist within 1 year prior to the start of construction of future program-level projects to determine if suitable habitat for special-status species occurs on the project site. If suitable habitat is present on or within the immediate vicinity (100–500 feet) of the project site, additional focused surveys and subsequent mitigation measures will be required as described below. The following species-specific measures will be implemented for projects identified with a potential to contain suitable habitat for special-status species. *Least Bell's Vireo and Southwestern Willow Flycatcher Protocol Level Surveys*. As determined by a qualified biologist during the biological reconnaissance described above for program-level projects that would result in potential direct and indirect impacts to willow riparian habitat, specifically project X-066, U.S. Fish and Wildlife Survey (USFWS) protocol surveys for least Bell's vireo and southwestern willow flycatcher must be conducted by a biologist holding a USFWS permit for least bell's vireo and southwestern willow flycatcher to determine the presence or absence of these species on the project site and within 500 feet of the project site. Prior to construction, a total of eight visits are required to cover both species (three least Bell's vireo-only surveys and five combined least Bell's vireo and southwestern willow flycatcher surveys) with a minimum 10-day interval between surveys. If either listed species is observed during focused protocol	Prior to construction.	Sanitation District

Table 4-1. Mitigation Monitoring and Reporting Program

Mitigation Measure	Implementation Timing	Agency Responsible
surveys, all project activities shall cease during the combined nesting season of April through July to reduce impacts to a less-than-significant level. However, if project activities cannot avoid the nesting season, potential direct impacts to either species may occur, which would be considered significant. To reduce impacts to less than significant, prior to implementing the project consultation with USFWS and the California Department of Fish and Wildlife (CDFW) will be required to initiate Section 7/10 consultation under the federal Endangered Species Act and apply for an Incidental Take Permit under Section 2081 of California Fish and Game Code. Additionally, impacts to occupied habitat for either species will require compensatory habitat-based mitigation through either the restoration of habitat and long-term conservation through a habitat conservation plan or through the purchase of mitigation credits at a minimum 1:1 ratio from an approved mitigation bank that sells credits for the conservation, creation, and enhancement of similar habitat types. However, the final mitigation strategy will be determined through agency consultation. *Burrowing Owl Focused Surveys*. For program-level projects that occur in the vicinity of disturbed habitat that could provide suitable nesting habitat for burrowing owl with nearby occurrences, specifically projects X-086 and 5-66, focused surveys for burrowing owl shall be conducted in order to positively determine burrowing owl presence or absence prior to the start of construction as described below. In accordance with the protocol outlined in the 2012 California Department of Fish and Game Staff Report on Burrowing Owl Mitigation, four survey visits will be conducted by a qualified biologist on the study area (project site plus 500-foot buffer), spaced apart to allow an adequate amount of time to detect burrowing owl throughout the breeding season. At least one survey will be conducted between February 15 and April 15, and a minimum of three surveys conducted at least 3 weeks apart between April 15 and July 15, with at least one visit after June 15. If burrowing owl is found within the study area, then avoidance of the owl's breeding season of February through July should occur to reduce potential indirect impacts to a less-than-significant level. If the breeding season cannot be avoided, then a qualified biologist must be on site during all project activities to monitor if adjacent construction noise (within 500 feet) and increased human presence are resulting in significant harassment of a nesting owl. If the biological monitor determines that project activities are significantly harassing burrowing owl, all activities shall halt until the nesting season has concluded. Because no suitable habitat for this species will be impacted, no compensatory habitat-based mitigation will be required. *Coastal California Gnatcatcher Surveys*. For program-level projects that occur within suitable Coastal California gnatcatcher habitat, specifically project X-086, surveys shall be conducted by a qualified biologist to determine the presence/absence of this species prior to the start of construction as described below. Because project X-086 is not located within a Natural Community Conservation Plan area, per the 1997		

Table 4-1. Mitigation Monitoring and Reporting Program

Mitigation Measure	Implementation Timing	Agency Responsible
USFWS Coastal California Gnatcatcher (*Polioptila californica californica*) Presence/Absence Survey Guidelines, six survey visits are required from March 15 through June 30 at least 1 week apart. If this species is absent, no further action is required. If this species is present within the survey area (project site plus 500-foot buffer), the nest location will be recorded. There is a potential for indirect impacts to occur if construction commences during the breeding season (February 15 to August 31). Therefore, project activities for project X-086 shall avoid the breeding season to avoid potential indirect impacts. If construction must occur during the breeding season when this species is present, a biological monitor will be on site to determine if adjacent project activities will result in the significant harassment and potential nest failure of a nesting gnatcatcher. If the biological monitor determines significant harassment is occurring, project activities must halt until the nesting season has concluded and the biological monitor verifies the nest is no longer active. If construction results in nest failure and ultimate take of the species, consultation with USFWS will be required to permit the take and mitigate for species loss through the Section 7/10 process of the federal Endangered Species Act. Because no direct impacts through habitat removal will occur, no compensatory habitat-based mitigation or agency permitting is required. *Tricolored Blackbird Preconstruction Survey*. Within 10 days prior to construction, a qualified biologist knowledgeable in tri-colored blackbird biology shall conduct a preconstruction survey within areas of suitable habitat for tricolored blackbird, such as Carr Park adjacent to project X-071. The biologist shall look for tricolored blackbirds that may be located within or immediately adjacent to the project site (within 500 feet). If any tricolored blackbirds are found, the biologist shall identify their location for avoidance and establish a buffer of up to 500 feet. If tricolored blackbird are found and cannot be avoided by the project, additional mitigation will be required to comply with the California Endangered Species Act, such as applying for an Incidental Take Permit under Section 2081 of California Fish and Game Code prior to project implementation. Additionally, impacts to occupied habitat for this species will require compensatory habitat-based mitigation through the purchase of mitigation credits at a minimum 1:1 ratio from an approved mitigation bank. The final mitigation ratio will be determined through consultation with CDFW.		
MM-BIO-3: Sensitive Natural Communities. If it is determined through implementation of **MM-BIO-2** that least Bell's vireo and/or southwestern willow flycatcher occur within suitable habitat within the project X-066 study area (project site plus 500-foot buffer area), and the final project design will result in tree trimming or vegetation removal, the following compensatory habitat-based mitigation will be required prior to project implementation. Mitigation will be carried out by the Orange County Sanitation District (Sanitation District) working with the regulatory agencies and can include the following options: a. Conduct on-site or off-site habitat restoration of in-kind habitat at a ratio agreed upon by the regulatory agencies.	Prior to construction.	Sanitation District

Table 4-1. Mitigation Monitoring and Reporting Program

Mitigation Measure	Implementation Timing	Agency Responsible
b. On-site revegetation of habitat will be identified in a habitat mitigation monitoring plan (HMMP) that meets regulatory agency standards, which also includes the design for restoration, monitoring requirements to determine if established performance criteria is met, and recommended remedial measures. The HMMP will also include enhancement activities of the remaining habitat on site. c. If on-site restoration/enhancement is not feasible, the Sanitation District may also purchase off-site mitigation credits from a California Department of Fish and Wildlife-approved mitigation bank in the region that sells credits for the conservation, creation, and enhancement of similar habitat types.		
MM-BIO-4: Jurisdictional Waters and Wetlands. Direct impacts to jurisdictional waters that may occur through program-level projects such as project X-066, shall be addressed during project-level California Environmental Quality Act review of the project prior to implementation through first a biological reconnaissance conducted by a qualified biologist, and a delineation of waters and wetlands to determine potential regulatory agency jurisdiction. If the reconnaissance and delineation determine potentially jurisdictional waters or wetlands occur and may be impacted by the project, mitigation to reduce impacts will be determined through the regulatory application process to implement Clean Water Act Section 401 and Section 404, the Porter-Cologne Water Quality Act, and California Fish and Game Code Section 1602. Direct impacts to jurisdictional non-wetland waters shall be mitigated through either the on-site restoration of habitat discussed in **MM-BIO-3**, or through the purchase of off-site mitigation credits. The Orange County Sanitation District may purchase credits through an agency-approved mitigation bank, in-lieu fee program, or other agreement. A ratio agreed upon by the regulatory agencies for establishment or reestablishment credits will be required for impacts to jurisdictional waters and associated willow riparian habitat. The compensatory mitigation ratio is based on the existing relatively low-quality aquatic resources that occur on the project site. However, the final mitigation ratio required will be determined through consultation with the regulatory resource agencies during the permitting process.	Prior to construction.	Sanitation District
MM-BIO-5: Public and Parkway Trees. If the final project design for project-level and program-level projects determines that public and parkway trees may be impacted during project construction for any project-level and program-level projects that occur within the City of Huntington Beach, the City of Fountain Valley, and any other city with a tree protection ordinance, a permit or permission from the applicable city must be obtained prior to cutting, trimming, pruning, or removing any tree, shrub or plant.	Prior to construction.	Sanitation District

Table 4-1. Mitigation Monitoring and Reporting Program

Mitigation Measure	Implementation Timing	Agency Responsible
Cultural Resources		
MM-CUL-1: Prior to start of ground-disturbing activities, the qualified archaeologist meeting the Secretary of the Interior's Professional Qualifications Standards for archaeology (or an archaeologist working under the direct supervision of the qualified archaeologist) shall be retained by the Orange County Sanitation District (Sanitation District) and shall conduct cultural resources sensitivity training for all construction personnel. Construction personnel shall be informed of the types of archaeological resources that may be encountered, the proper procedures to be enacted in the event of an inadvertent discovery of archaeological resources or human remains, and safety precautions to be taken when working with archaeological monitors. The Sanitation District's contractor shall ensure that construction personnel are made available for and attend the training and retain documentation demonstrating attendance.	Prior to construction.	Sanitation District
MM-CUL-2: Archaeological monitoring shall be conducted for ground-disturbing activities at Reclamation Plant No. 1, Treatment Plant No. 2, the Seal Beach Pump Station Replacement (3-67), and Los Alamitos Sub-Trunk Extension project (3-68) in Seal Beach. Archaeological monitoring shall be conducted for ground-disturbing activities associated with Newport Beach Pump Station Odor Control Improvements (5-68) only as they intersect with ground-disturbing activities at the 15th Street Pump Station Rehabilitation (X-022), Lido Pump Station Rehabilitation (X-023), Rocky Point Pump Station Rehabilitation(X-024), and A Street Pump Station Rehabilitation (X-041). Archaeological monitoring shall be conducted for ground-disturbing activities associated with high cultural sensitivity portions of the Tustin-Orange Interceptor Sewer at Reach 17 Rehabilitation (X-065), Tustin-Orange Interceptor Sewer at Reach 18 Rehabilitation (X-066), Crystal Cove Pumping Station Upgrade and Rehabilitation (5-66), DAFT Demolition (X-043), Hoover-Western Sub-Trunks Sewer Rehabilitation (X-067/X-085), Edinger/Springdale Trunk Sewer Rehabilitation (X-071), Substation and Warehouse Replacement at Plant 2 (P2-126), Operations and Maintenance Complex at Plant 2 (P2-138). Archaeological monitoring shall be conducted by an archaeologist familiar with the types of archaeological resources that could be encountered within the program area, and under the direct supervision of the qualified archaeologist. The frequency of monitoring shall take into account the rate of ground-disturbing activities, the materials being excavated (native versus artificial fill soils and older versus younger soils), and the depth of excavation. The frequency of the monitoring shall be determined by the qualified archaeologist and in coordination with the Sanitation District. In the event that archaeological resources are unearthed during ground-disturbing activities, the archaeological monitor shall be empowered to halt or redirect ground-disturbing activities away from the vicinity of the discovery until the Sanitation District and a qualified archaeologist have evaluated the discovery and determined appropriate treatment (as prescribed in **MM-CUL-3**). The archaeological monitor shall keep logs detailing the types of activities and soils observed, and any discoveries. After monitoring has been completed, the qualified	During construction.	Sanitation District

Table 4-1. Mitigation Monitoring and Reporting Program

Mitigation Measure	Implementation Timing	Agency Responsible
archaeologist shall prepare a report that details the results of monitoring for submittal to the Sanitation District, the South Central Coastal Information Center, and any Native American tribe that requests a copy.		
MM-CUL-3: In the event of the unanticipated discovery of archaeological materials during ground-disturbing activities associated with the proposed Facilities Master Plan, the Orange County Sanitation District (Sanitation District) shall immediately cease all work activities in the area (within 100 feet) of the discovery until it can be evaluated by the qualified archaeologist. Construction shall not resume until the qualified archaeologist has conferred with the Sanitation District on the significance of the resource. In the event that preservation in place is determined to be infeasible and data recovery through excavation is the only feasible mitigation available, an Archaeological Resources Treatment Plan, in accordance with the Advisory Council on Historic Preservation's 2009 Section 106 Archaeology Guidance, shall be prepared and implemented by the qualified archaeologist in consultation with the Sanitation District. The Archaeological Resources Treatment Plan will provide for the adequate recovery of the scientifically consequential information contained in the archaeological resource. The Sanitation District shall consult with appropriate Native American representatives in determining treatment for prehistoric or Native American resources. The treatment options after data recovery efforts occur may include returning the resource to the appropriate tribe or donation of the resource to a repository identified by the tribe. If preservation in place is not an option or re-deposition on site is not an option, the resource will be curated at an archaeological curation facility (compliant with standards established in 36 CFR 79, Sections 9, 10, and 11).	During construction.	Sanitation District
Geology and Soils		
MM-GEO-1: Paleontological Resources. Prior to commencement of any ground-disturbing activity in areas of moderate to high paleontological sensitivity, the Orange County Sanitation District shall retain a qualified paleontologist per the 2010 Society of Vertebrate Paleontology guidelines. The paleontologist shall prepare a paleontological resources impact mitigation program for the project that reduces all impacts to less than significant. The paleontological resources impact mitigation program shall be consistent with the Society of Vertebrate Paleontology guidelines and shall include: requirements for preconstruction meeting attendance and worker environmental awareness training, where monitoring is required within the project area based on construction plans and/or geotechnical reports; procedures for adequate paleontological monitoring and discoveries treatment; and paleontological methods (including sediment sampling for microvertebrate fossils), reporting, and collections management. The qualified paleontologist shall attend the preconstruction meeting, and a paleontological monitor under the direction of the qualified paleontologist shall be on site during initial ground-disturbing activities in areas of previously undisturbed moderate and/or high paleontological resources sensitivity. In the event that paleontological resources (e.g., fossils) are unearthed, the	Prior to and during construction.	Sanitation District

Table 4-1. Mitigation Monitoring and Reporting Program

Mitigation Measure	Implementation Timing	Agency Responsible
paleontological monitor shall temporarily halt and/or divert ground-disturbing activity to allow recovery of paleontological resources. The area of discovery shall be roped off with a 50-foot-radius buffer. Once documentation and collection of the find is completed, the paleontological monitor shall allow ground-disturbing activities to recommence in the area of the find.		
Hazards and Hazardous Materials		
MM-HAZ-1: Pre-Demolition Hazardous Building Materials Survey and Abatement. A hazardous building materials survey shall be conducted prior to demolition or renovation activities at Reclamation Plant No. 1 and Treatment Plant No. 2. The survey will include polychlorinated biphenyls and universal wastes. A survey will also be conducted on collection system projects to identify yellow traffic striping that may contain lead chromate. Following results of the hazardous materials survey, and incorporating information from current asbestos and lead inventories, demolition or renovation plans and contract specifications, including those for road-disturbing activities, shall incorporate abatement procedures for the removal of materials containing asbestos, lead, polychlorinated biphenyls, and universal waste items, as required by law. All abatement work shall be done in accordance with federal, state, and local regulations, including those of the U.S. Environmental Protection Agency, Occupational Safety and Health Administration, California Occupational Safety and Health Administration, and the South Coast Air Quality Management District.	Prior to construction.	Sanitation District
MM-HAZ-2: Methane Management and Mitigation. If a proposed rehabilitation, renovation, or construction project that involves the construction or occupancy of a building or structure is within a designated methane district, guidance from the applicable jurisdiction shall be consulted prior to project implementation to determine if the proposed Facilities Master Plan (FMP) is subject to any requirements, including health and safety requirements, related to the jurisdiction's methane districts. These jurisdictions include City of Huntington Beach, City of Newport Beach, City of Yorba Linda, and Orange County Fire Authority (OCFA). Additionally, projects located within a designated methane district or located within 100 feet of a plugged or active oil and gas well (a distance defined by OCFA) will have a methane survey conducted prior to ground-disturbing activities. The survey shall be conducted by a professional engineer or geologist with experience and credentials that meet the requirements of the County or local jurisdiction. Based on the result of the methane survey, a methane safety plan will be developed that identifies health and safety procedures for construction (such as ambient air monitoring) and operation (such as passive or active venting systems on buildings) of proposed FMP projects that adequately mitigate risks associated with identified methane. The safety plan will meet minimum requirements set forth by OCFA Combustible Soil Gas Hazard Mitigation C-03, and applicable city-specific methane safety requirements. The Orange County Sanitation District and its contractors shall follow the methane safety plan during applicable projects. Should oil and gas wells require abandonment or re-abandonment to facilitate construction or operation of the proposed FMP, this shall	Prior to construction.	Sanitation District

Table 4-1. Mitigation Monitoring and Reporting Program

Mitigation Measure	Implementation Timing	Agency Responsible
be done in accordance with California Geologic Energy Management Division (CalGEM) requirements. Abandonment approval from CalGEM will be required prior to construction or other activities that could affect the oil and gas well.		
MM-HAZ-3: Hazardous Material Pipeline Location and Notification. Prior to excavation or other ground-disturbing activities on proposed collection line projects, the Orange County Sanitation District (Sanitation District) or its contractor will determine if hazardous material pipelines are located in the area of excavation or other ground-disturbing activity. The National Pipeline Mapping System may be utilized to identify the location and owner/operator of hazardous material pipelines that may cross or run parallel to the proposed excavation area. The Sanitation District or its contractor will consult the pipeline owner, and will take the necessary precautions, such as setbacks, to avoid contact with the hazardous material pipeline, as required by the pipeline owner and by applicable federal, state, and local laws and regulations.	Prior to construction.	Sanitation District
MM-HAZ-4: Hazards Contingency Plan. Prior to commencement of any ground-disturbing activities where it has been determined that hazardous materials are present and will be disturbed (see **MM-HAZ-6**), a Hazards Contingency Plan shall be developed that addresses potential impacts to soil, soil vapor, and groundwater from releases on or near the project sites. The Hazards Contingency Plan shall include training procedures for identification of contamination. The Hazards Contingency Plan shall describe procedures for assessment, characterization, management, and disposal of hazardous constituents, materials, and wastes, in accordance with all applicable state and local regulations. Contaminated soils and/or groundwater shall be managed and disposed of in accordance with local and state regulations. The Hazards Contingency Plan shall include health and safety measures, which may include but are not limited to periodic work breathing zone monitoring and monitoring for volatile organic compounds using a handheld organic vapor analyzer in the event impacted soils are encountered during excavation activities. As opposed to a single document, all necessary elements of a Hazards Contingency Plan may be developed into contract specifications.	Prior to construction.	Sanitation District
MM-HAZ-5: Monitoring Well Protection. Monitoring wells associated with nearby cleanup sites may be located within proposed collection system project boundaries. Some of these wells may still be actively monitored as part of required cleanup activities. The agency overseeing the associated cleanup site (Regional Water Quality Control Board, Department of Toxic Substances Control, or Orange County Health Care Agency) will be consulted prior to Facilities Master Plan project activities that could affect the monitoring wells to determine the best plan of action to either decommission and destroy, protect, and/or replace affected monitoring wells.	Prior to construction.	Sanitation District
MM-HAZ-6: Review of Cortese List Databases. Within proposed collection system project boundaries and prior to construction where ground disturbance is required, a review of Cortese List databases pursuant to Government Code 65962.5(a) and hazardous material sites listed on Department of Toxic	Prior to construction.	Sanitation District

Table 4-1. Mitigation Monitoring and Reporting Program

Mitigation Measure	Implementation Timing	Agency Responsible
Substances Control EnviroStor and State Water Resources Control Board GeoTracker will be conducted within 0.5 miles of the specific Facilities Master Plan project site where the ground disturbance is proposed (project site). The review should be conducted by an environmental professional with experience in review and assessment of hazardous material sites. A search shall be conducted no more than 6 months prior to construction. In addition to the Cortese List and hazardous material sites identified in this program environmental impact report, each new Cortese List and hazardous material site identified within 0.5 miles of the project site will be reviewed for environmental contamination that could impact the project site, including soil, soil vapor, and groundwater contamination. The Hazards Contingency Plan developed in accordance with **MM-HAZ 4** would be modified to incorporate findings from this review.		
Noise		
PDF-NOI-1: To address construction noise impacts, the Orange County Sanitation District has a process in place as follows: a. Public outreach is conducted in communities that could be impacted by construction activities so that the public is aware of the work that must be conducted, where the work will occur, and the timing of the proposed work. b. At least five (5) days prior to the start of construction activities, the Sanitation District will notify the surrounding residents and businesses by mail or other means of distribution. For projects located outside of Plant 1 or Plant 2, the construction contractor will post signs in the project vicinity that identify the Orange County Sanitation District as the project owner and a general contract phone number. Sign location(s) will be identified with local jurisdiction approval. c. Once work begins, the contractor has the responsibility to address noise and vibration-related complaints.	Prior to and during construction.	Sanitation District
MM-NOI-1: For Facilities Master Plan (FMP) projects located within 500 feet of noise-sensitive receivers (residences, hotels and motels, educational institutions, libraries, hospitals, and clinics), the following measures shall be implemented: a. All mobile or fixed noise-producing equipment used on an FMP project that is regulated for noise output by a local, state, or federal agency shall comply with such regulation while in the course of program activity. b. Construction equipment shall be properly outfitted and maintained with manufacturer-recommended noise-reduction devices to minimize construction-generated noise. c. Electrically powered equipment shall be used instead of pneumatic or internal-combustion-powered equipment, where feasible.	During construction.	Sanitation District

Table 4-1. Mitigation Monitoring and Reporting Program

Mitigation Measure	Implementation Timing	Agency Responsible
d. Stationary noise sources such as generators or pumps shall be located at least 100 feet from noise-sensitive land uses as feasible. e. Material stockpiles and mobile equipment staging, parking, and maintenance areas shall be located as far as practicable from noise-sensitive receptors. f. Construction site and haul-road speed limits shall be established and enforced during the construction period. g. As feasible, the hours of construction, including noise-generating activities and all spoils and material transport, shall be restricted to the time periods and days permitted by the local noise or other applicable ordinances. As necessary, the Sanitation District shall coordinate with the applicable local jurisdiction regarding activities that are not consistent with local ordinances to avoid/minimize impacts. h. The use of noise-producing signals, including horns, whistles, alarms, and bells, shall be for safety warning purposes only. Additionally, pursuant to Occupational Safety and Health Act Sections 1926.601(b)(4) and 1926.602(a)(9), a device that uses broadband "white noise" instead of a single-tone alarm may be used if it is shown to be effective. i. The Orange County Sanitation District or its designees shall coordinate with local jurisdictions and sensitive receptors regarding the proposed FMP to address any potential project-specific noise-related issues prior to commencement of construction activities. j. Noise-reduction measures such as sound blankets or temporary sound walls shall be used to reduce noise from noise-generating equipment and activities during construction.		
Public Services		
MM-TRA-1: Prior to initiation of construction activities, engineering drawings and specifications and/or contractor shop drawings shall be submitted for review and approval by the Sanitation District, the Public Works Departments of affected cities, and the California Department of Transportation (Caltrans) (where applicable). The proposed project may impact local transportation facilities due to temporary street and/or lane closures, temporary transit stop relocations, haul truck circulation, and construction staging. These impacts, if any, will be identified in the engineering drawings and specifications and/or contractor shop drawings identified for individual projects. The following steps will be required to mitigate construction traffic impacts identified in the engineering drawings and specifications and/or contractor shop drawings: <u>Closures to Transportation Facilities</u> a. Traffic control, and associated Traffic Control Plans, for any lane closure, detour, or other disruption to traffic circulation, including bicycle and pedestrian trails. Bicycle and pedestrian trails shall remain open, to the greatest extent possible, during construction or re-routed to ensure continued connectivity.	Prior to and during construction.	Sanitation District

Table 4-1. Mitigation Monitoring and Reporting Program

Mitigation Measure	Implementation Timing	Agency Responsible
b. Engineering drawings and specifications shall meet the standards established in the current California Manual on Uniform Traffic Control Device. c. Bus stop access impacts shall be coordinated with, and approved by, the Orange County Transportation Authority. d. Consistent with applicable City and/or Caltrans requirements, and at least three (3) business days before any construction activities that would affect travel on nearby roadways, the construction contractor shall notify the affected City Public Works Department and/or Caltrans of construction activities that could impede movement (such as lane closures) along roadways to allow for uninterrupted emergency access. Surrounding property owners shall also be notified of construction activities through the Sanitation District Public Outreach Process. <u>Truck Haul Routes and Circulation</u> e. As required by the applicable agency, construction vehicle haul routes for the delivery of construction materials (e.g., lumber, tiles, piping, windows) to the site, necessary traffic controls and detours, and a construction phasing plan for the construction activities shall be identified. f. The hours during which transport activities can occur and methods to mitigate construction-related impacts to adjacent streets shall be specified. Examples of these methods include: 1) transport of materials and heavy equipment to the site(s) shall be avoided during the AM and PM peak commute hours; 2) haul trucks shall utilize designated truck routes to the extent feasible; 3) advance warning signage and/or detour routes shall be provided along streets where construction activities would occur; and, 4) scheduling of construction activities and workers at each individual site so that less than 110 daily trips would occur. g. The contractor shall be required to keep all haul routes clean and free of debris, including gravel and dirt resulting from its operations. The contractor shall clean adjacent streets, as directed by the Sanitation District, of any material that may have been spilled, tracked, or blown onto adjacent streets and areas. h. As required by the applicable agency, hauling and transport of oversize loads outside of their standard working hours will require approvals. i. Use of local streets shall be prohibited, except what is required to provide direct access to a construction site. j. Haul trucks entering or exiting public streets shall yield to public traffic at all times. k. If hauling operations cause any damage to existing pavement, streets, curbs, and/or gutters along the haul route, the contractor shall be fully responsible for repairs. The repairs shall restore the damaged property to its original condition.		

Table 4-1. Mitigation Monitoring and Reporting Program

Mitigation Measure	Implementation Timing	Agency Responsible
Construction Staging l. Any off-site construction staging or material storage sites shall be identified to the extent feasible. m. All project-related staging of vehicles shall be kept out of the adjacent public roadways and shall occur on site or within other off-street areas.		
Transportation		
MM-TRA-1	Prior to and during construction.	Sanitation District
Tribal Cultural Resources		
MM-CUL-3	During construction.	Sanitation District

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Appendix A

AQ Energy GHG HRA

4.2 Air Quality

This section describes the existing regional and local air quality conditions, identifies associated regulatory requirements, evaluates potential impacts, and identifies mitigation measures as needed related to implementation of the proposed Facilities Master Plan (FMP).

4.2.1 Existing Conditions

Climate and Topography

The project site is located within the South Coast Air Basin (SCAB). The SCAB is a 6,745-square-mile area bounded by the Pacific Ocean to the west and the San Gabriel, San Bernardino, and San Jacinto Mountains to the north and east. The SCAB's air pollution problems are a consequence of the combination of emissions from the nation's second-largest urban area, meteorological conditions that hinder dispersion of those emissions, and mountainous terrain surrounding the SCAB that traps pollutants as they are pushed inland with the sea breeze (SCAQMD 2017). Meteorological and topographical factors that affect air quality in the SCAB are described below.[1]

Climate

The SCAB is characterized as having a Mediterranean climate (typified as semiarid with mild winters, warm summers, and moderate rainfall). The general region lies in the semi-permanent high-pressure zone of the eastern Pacific; as a result, the climate is mild and tempered by cool sea breezes. The usually mild climatological pattern is interrupted infrequently by periods of extremely hot weather, winter storms, or Santa Ana winds.

Moderate temperatures, comfortable humidity, and limited precipitation characterize the climate in the SCAB. The average annual temperature varies little throughout the SCAB, averaging 75°F. However, with a less-pronounced oceanic influence, the eastern inland portions of the SCAB show greater variability in annual minimum and maximum temperatures. All portions of the SCAB have recorded temperatures over 100°F in recent years. Although the SCAB has a semiarid climate, the air near the surface is moist because of the presence of a shallow marine layer. Except for infrequent periods when dry air is brought into the SCAB by offshore winds, the ocean effect is dominant. Periods with heavy fog are frequent, and low stratus clouds, occasionally referred to as "high fog," are a characteristic climate feature. Annual average relative humidity is 70% at the coast and 57% in the eastern part of the SCAB. Precipitation in the SCAB is typically 9 to 14 inches annually and is rarely in the form of snow or hail because of typically warm weather. Most of the rainfall in Southern California occurs between late fall and early spring, with most rain typically occurring in the months of January and February.

Orange County's climate is characterized by relatively low rainfall, with warm summers and mild winters. Average temperatures range from a high of 87°F in August to a low of 47°F in December (WRCC 2018).[2] Annual precipitation averages about 14 inches, falling mostly from October through April (WRCC 2018).

[1] The discussion of meteorological and topographical conditions of the SCAB is based on information provided in the Final 2016 Air Quality Management Plan (SCAQMD 2017).

[2] Local climate data for Orange County is based on the most-representative station measured by the Western Regional Climate Center, which is the Anaheim climatological station.

Sunlight

The presence and intensity of sunlight are necessary prerequisites for the formation of photochemical smog. Under the influence of the ultraviolet radiation of sunlight, certain primary pollutants (mainly reactive hydrocarbons and oxides of nitrogen [NO_X][3]) react to form secondary pollutants (primarily oxidants). Since this process is time dependent, secondary pollutants can be formed many miles downwind of the emission sources. Southern California also has abundant sunshine, which drives the photochemical reactions that form pollutants such as ozone (O_3) and a substantial portion of fine particulate matter ($PM_{2.5}$; particulate matter 2.5 microns or less in diameter). In the SCAB, high concentrations of O_3 are normally recorded during the late spring, summer, and early autumn months, when more intense sunlight drives enhanced photochemical reactions. Because of the prevailing daytime winds and time-delayed nature of photochemical smog, oxidant concentrations are highest in the inland areas of Southern California.

Temperature Inversions

Under ideal meteorological conditions and irrespective of topography, pollutants emitted into the air mix and disperse into the upper atmosphere. However, the Southern California region frequently experiences temperature inversions in which pollutants are trapped and accumulate close to the ground. The inversion, a layer of warm, dry air overlaying cool, moist marine air, is a normal condition in coastal Southern California. The cool, damp, and hazy sea air capped by coastal clouds is heavier than the warm, clear air, which acts as a lid through which the cooler marine layer cannot rise. The height of the inversion is important in determining pollutant concentration. When the inversion is approximately 2,500 feet above mean sea level (amsl), the sea breezes carry the pollutants inland to escape over the mountain slopes or through the passes. At a height of 1,200 feet amsl, the terrain prevents the pollutants from entering the upper atmosphere, resulting in the pollutants settling in the foothill communities. Below 1,200 feet amsl, the inversion puts a tight lid on pollutants, concentrating them in a shallow layer over the entire coastal basin. Usually, inversions are lower before sunrise than during the daylight hours.

Mixing heights for inversions are lower in the summer and inversions are more persistent, being partly responsible for the high levels of O_3 observed during summer months in the SCAB. Smog in Southern California is generally the result of these temperature inversions combining with coastal day winds and local mountains to contain the pollutants for long periods, allowing them to form secondary pollutants by reacting in the presence of sunlight. The SCAB has a limited ability to disperse these pollutants due to typically low wind speeds and the surrounding mountain ranges.

As with other regions within the SCAB, Orange County is susceptible to air inversions, which trap a layer of stagnant air near the ground where pollutants are further concentrated. These inversions produce haziness, which is caused by moisture, suspended dust, and a variety of chemical aerosols emitted by trucks, automobiles, furnaces, and other sources. Elevated concentrations of coarse particulate matter (PM_{10}; particulate matter 10 microns or less in diameter) and $PM_{2.5}$ can occur in the SCAB throughout the year, but they occur most frequently in fall and winter. Although there are some changes in emissions by day of the week and by season, the observed variations in pollutant concentrations are primarily the result of seasonal differences in weather conditions.

[3] NO_X is a general term pertaining to compounds of nitric oxide (NO), nitrogen dioxide (NO_2), and other oxides of nitrogen.

Pollutants and Effects

Criteria Air Pollutants

Criteria air pollutants are defined as pollutants for which the federal and state governments have established ambient air quality standards, or criteria, for outdoor concentrations to protect public health. The national and California standards have been set, with an adequate margin of safety, at levels above which concentrations could be harmful to human health and welfare. These standards are designed to protect the most sensitive persons from illness or discomfort. Pollutants of concern include O_3, nitrogen dioxide (NO_2), carbon monoxide (CO), sulfur dioxide (SO_2), PM_{10}, $PM_{2.5}$, and lead. In California, sulfates, vinyl chloride, hydrogen sulfide, and visibility-reducing particles are also regulated as criteria air pollutants. These pollutants, as well as toxic air contaminants (TACs), are discussed in the following paragraphs.[4]

Ozone. O_3 is a strong-smelling, pale blue, reactive, toxic chemical gas consisting of three oxygen atoms. It is a secondary pollutant formed in the atmosphere by a photochemical process involving the sun's energy and O_3 precursors. These precursors are mainly NO_x and volatile organic compounds (VOCs). The maximum effects of precursor emissions on O_3 concentrations usually occur several hours after they are emitted and many miles from the source. Meteorology and terrain play major roles in O_3 formation, and ideal conditions occur during summer and early autumn on days with low wind speeds or stagnant air, warm temperatures, and cloudless skies. O_3 exists in the upper atmosphere O_3 layer (stratospheric O_3) and at the Earth's surface in the troposphere (ground-level O_3).[5] The O_3 that the U.S. Environmental Protection Agency (EPA) and the California Air Resources Board (CARB) regulate as a criteria air pollutant is produced close to the ground level, where people live, exercise, and breathe. Ground-level O_3 is a harmful air pollutant that causes numerous adverse health effects and is thus considered "bad" O_3. Stratospheric, or "good," O_3 occurs naturally in the upper atmosphere, where it reduces the amount of ultraviolet light (i.e., solar radiation) entering the Earth's atmosphere. Without the protection of the beneficial stratospheric O_3 layer, plant and animal life would be seriously harmed.

O_3 in the troposphere causes numerous adverse health effects; short-term exposures (lasting for a few hours) to O_3 at levels typically observed in Southern California can result in breathing pattern changes, reduction of breathing capacity, increased susceptibility to infections, inflammation of the lung tissue, and some immunological changes (EPA 2013).

Inhalation of O_3 causes inflammation and irritation of the tissues lining human airways, causing and worsening a variety of symptoms. Exposure to O_3 can reduce the volume of air that the lungs breathe in, thereby causing shortness of breath. O_3 in sufficient doses increases the permeability of lung cells, rendering them more susceptible to toxins and microorganisms. The occurrence and severity of health effects from O_3 exposure vary widely among individuals, even when the dose and the duration of exposure are the same. Research shows adults and children who spend more time outdoors participating in vigorous physical activities are at greater risk from the harmful health effects of O_3 exposure. While there are relatively few studies on the effects of O_3 on children, the available studies show that children are no more or less likely to suffer harmful effects than adults. However, there are a number of reasons why children may be more susceptible to O_3 and other pollutants. Children and teens spend nearly twice as much time outdoors and engaged in vigorous activities as adults. Children breathe more rapidly than adults and inhale more

[4] The descriptions of the criteria air pollutants and associated health effects are based on the U.S. Environmental Protection Agency's "Criteria Air Pollutants" (EPA 2018a), as well as the California Air Resources Board's "Glossary" (CARB 2019a) and "Fact Sheet: Air Pollution Sources, Effects and Control" (CARB 2009).

[5] The troposphere is the layer of the Earth's atmosphere nearest to the surface of the Earth. The troposphere extends outward about 5 miles at the poles and about 10 miles at the equator.

pollution per pound of their body weight than adults. Also, children are less likely than adults to notice their own symptoms and avoid harmful exposures. Further research may be able to better distinguish between health effects in children and adults. Children, adolescents and adults who exercise or work outdoors, where O_3 concentrations are the highest, are at the greatest risk of harm from this pollutant (CARB 2019b).

Nitrogen Dioxide. NO_2 is a brownish, highly reactive gas that is present in all urban atmospheres. The major mechanism for the formation of NO_2 in the atmosphere is the oxidation of the primary air pollutant nitric oxide (NO), which is a colorless, odorless gas. NO_x plays a major role, together with VOCs, in the atmospheric reactions that produce O_3. NO_x is formed from fuel combustion under high temperature or pressure. In addition, NO_x is an important precursor to acid rain and may affect both terrestrial and aquatic ecosystems. The two major emissions sources are transportation and stationary fuel combustion sources such as electric utility and industrial boilers.

A large body of health science literature indicates that exposure to NO_2 can induce adverse health effects. The strongest health evidence, and the health basis for the ambient air quality standards for NO_2, results from controlled human exposure studies that show that NO_2 exposure can intensify responses to allergens in allergic asthmatics. In addition, a number of epidemiological studies have demonstrated associations between NO_2 exposure and premature death, cardiopulmonary effects, decreased lung function growth in children, respiratory symptoms, emergency room visits for asthma, and intensified allergic responses. Infants and children are particularly at risk because they have disproportionately higher exposure to NO_2 than adults due to their greater breathing rate for their body weight and their typically greater outdoor exposure duration. Several studies have shown that long-term NO_2 exposure during childhood, the period of rapid lung growth, can lead to smaller lungs at maturity in children with higher levels of exposure compared to children with lower exposure levels. In addition, children with asthma have a greater degree of airway responsiveness compared with adult asthmatics. In adults, the greatest risk is to people who have chronic respiratory diseases, such as asthma and chronic obstructive pulmonary disease (CARB 2019c).

Carbon Monoxide. CO is a colorless, odorless gas formed by the incomplete combustion of hydrocarbon, or fossil fuels. CO is emitted almost exclusively from motor vehicles, power plants, refineries, industrial boilers, ships, aircraft, and trains. In urban areas, such as the project location, automobile exhaust accounts for the majority of CO emissions. CO is a nonreactive air pollutant that dissipates relatively quickly; therefore, ambient CO concentrations generally follow the spatial and temporal distributions of vehicular traffic. CO concentrations are influenced by local meteorological conditions—primarily wind speed, topography, and atmospheric stability. CO from motor vehicle exhaust can become locally concentrated when surface-based temperature inversions are combined with calm atmospheric conditions, which is a typical situation at dusk in urban areas from November to February. The highest levels of CO typically occur during the colder months of the year, when inversion conditions are more frequent.

CO is harmful because it binds to hemoglobin in the blood, reducing the ability of blood to carry oxygen. This interferes with oxygen delivery to the body's organs. The most common effects of CO exposure are fatigue, headaches, confusion and reduced mental alertness, light-headedness, and dizziness due to inadequate oxygen delivery to the brain. For people with cardiovascular disease, short-term CO exposure can further reduce their body's already compromised ability to respond to the increased oxygen demands of exercise, exertion, or stress. Inadequate oxygen delivery to the heart muscle leads to chest pain and decreased exercise tolerance. Unborn babies whose mothers experience high levels of CO exposure during pregnancy are at risk of adverse developmental effects. Unborn babies, infants, elderly people, and people with anemia or with a history of heart or respiratory disease are most likely to experience health effects with exposure to elevated levels of CO (CARB 2019d).

Sulfur Dioxide. SO_2 is a colorless, pungent gas formed primarily from incomplete combustion of sulfur-containing fossil fuels. The main sources of SO_2 are coal and oil used in power plants and industries; as such, the highest levels of SO_2 are generally found near large industrial complexes. In recent years, SO_2 concentrations have been reduced by the increasingly stringent controls placed on stationary source emissions of SO_2 and limits on the sulfur content of fuels.

Controlled human exposure and epidemiological studies show that children and adults with asthma are more likely to experience adverse responses with SO_2 exposure, compared with the non-asthmatic population. Effects at levels near the 1-hour standard are those of asthma exacerbation, including bronchoconstriction accompanied by symptoms of respiratory irritation such as wheezing, shortness of breath, and chest tightness, especially during exercise or physical activity. Also, exposure at elevated levels of SO_2 (above 1 parts per million [ppm]) results in increased incidence of pulmonary symptoms and disease, decreased pulmonary function, and increased risk of mortality. Older people and people with cardiovascular disease or chronic lung disease (such as bronchitis or emphysema) are most likely to experience these adverse effects (CARB 2019e).

SO_2 is of concern both because it is a direct respiratory irritant and because it contributes to the formation of sulfate and sulfuric acid in particulate matter (NRC 2005). People with asthma are of particular concern, both because they have increased baseline airflow resistance and because their SO_2-induced increase in airflow resistance is greater than in healthy people, and it increases with the severity of their asthma (NRC 2005). SO_2 is thought to induce airway constriction via neural reflexes involving irritant receptors in the airways (NRC 2005).

Particulate Matter. Particulate matter pollution consists of very small liquid and solid particles floating in the air, which can include smoke, soot, dust, salts, acids, and metals. Particulate matter can form when gases emitted from industries and motor vehicles undergo chemical reactions in the atmosphere. $PM_{2.5}$ and PM_{10} represent fractions of particulate matter. Coarse particulate matter (PM_{10}) consists of particulate matter that is 10 microns or less in diameter, which is about 1/7 the thickness of a human hair. Major sources of PM_{10} include crushing or grinding operations; dust stirred up by vehicles traveling on roads; wood-burning stoves and fireplaces; dust from construction, landfills, and agriculture; wildfires and brush/waste burning; industrial sources; windblown dust from open lands; and atmospheric chemical and photochemical reactions. Fine particulate matter ($PM_{2.5}$) consists of particulate matter that is 2.5 microns or less in diameter, which is roughly 1/28 the diameter of a human hair. $PM_{2.5}$ results from fuel combustion (e.g., from motor vehicles and power generation and industrial facilities), residential fireplaces, and woodstoves. In addition, $PM_{2.5}$ can be formed in the atmosphere from gases such as sulfur oxides (SO_x), NO_x, and VOCs.

$PM_{2.5}$ and PM_{10} pose a greater health risk than larger-size particles. When inhaled, these tiny particles can penetrate the human respiratory system's natural defenses and damage the respiratory tract. $PM_{2.5}$ and PM_{10} can increase the number and severity of asthma attacks, cause or aggravate bronchitis and other lung diseases, and reduce the body's ability to fight infections. Very small particles of substances such as lead, sulfates, and nitrates can cause lung damage directly or be absorbed into the bloodstream, causing damage elsewhere in the body. Additionally, these substances can transport adsorbed gases such as chlorides or ammonium into the lungs, also causing injury. Whereas PM_{10} tends to collect in the upper portion of the respiratory system, $PM_{2.5}$ is so tiny that it can penetrate deeper into the lungs and damage lung tissue. Suspended particulates also damage and discolor surfaces on which they settle and produce haze and reduce regional visibility.

A number of adverse health effects have been associated with exposure to both $PM_{2.5}$ and PM_{10}. For $PM_{2.5}$, short-term exposures (up to 24-hour duration) have been associated with premature mortality, increased hospital admissions for heart or lung causes, acute and chronic bronchitis, asthma attacks, emergency room visits, respiratory symptoms, and restricted activity days. These adverse health effects have been reported primarily in infants, children, and older adults with preexisting heart or lung diseases. In addition, of all of the common air pollutants, $PM_{2.5}$ is associated with the greatest proportion of adverse health effects related to air pollution, both in the United States and worldwide based on the World Health Organization's Global Burden of Disease Project. Short-term exposures to PM_{10} have been associated primarily with worsening of respiratory diseases, including asthma and chronic obstructive pulmonary disease, leading to hospitalization and emergency department visits (CARB 2017).

Long-term exposure (months to years) to $PM_{2.5}$ has been linked to premature death, particularly in people who have chronic heart or lung diseases, and reduced lung function growth in children. The effects of long-term exposure to PM_{10} are less clear, although several studies suggest a link between long-term PM_{10} exposure and respiratory mortality. The International Agency for Research on Cancer published a review in 2015 that concluded that particulate matter in outdoor air pollution causes lung cancer (CARB 2017).

Lead. Lead in the atmosphere occurs as particulate matter. Sources of lead include leaded gasoline; the manufacturing of batteries, paints, ink, ceramics, and ammunition; and secondary lead smelters. Prior to 1978, mobile emissions were the primary source of atmospheric lead. Between 1978 and 1987, the phaseout of leaded gasoline reduced the overall inventory of airborne lead by nearly 95%. With the phaseout of leaded gasoline, secondary lead smelters, battery recycling, and manufacturing facilities are becoming lead-emissions sources of greater concern.

Prolonged exposure to atmospheric lead poses a serious threat to human health. Health effects associated with exposure to lead include gastrointestinal disturbances, anemia, kidney disease, and in severe cases, neuromuscular and neurological dysfunction. Of particular concern are low-level lead exposures during infancy and childhood. Such exposures are associated with decrements in neurobehavioral performance, including intelligence quotient (IQ) performance, psychomotor performance, reaction time, and growth. Children are highly susceptible to the effects of lead.

Sulfates. Sulfates are the fully oxidized form of sulfur, which typically occur in combination with metals or hydrogen ions. Sulfates are produced from reactions of SO_2 in the atmosphere and can result in respiratory impairment, as well as reduced visibility.

Vinyl Chloride. Vinyl chloride is a colorless gas with a mild, sweet odor, which has been detected near landfills, sewage plants, and hazardous waste sites, due to the microbial breakdown of chlorinated solvents. Short-term exposure to high levels of vinyl chloride in air can cause nervous system effects, such as dizziness, drowsiness, and headaches. Long-term exposure through inhalation can cause liver damage, including liver cancer.

Hydrogen Sulfide. Hydrogen sulfide is a colorless and flammable gas that has a characteristic odor of rotten eggs. Sources of hydrogen sulfide include geothermal power plants, petroleum refineries, sewers, and sewage treatment plants. Exposure to hydrogen sulfide can result in nuisance odors, as well as headaches and breathing difficulties at higher concentrations.

Visibility-Reducing Particles. Visibility-reducing particles are any particles in the air that obstruct the range of visibility. Effects of reduced visibility can include obscuring the viewshed of natural scenery, reducing airport safety, and discouraging tourism. Sources of visibility-reducing particles are the same as for $PM_{2.5}$.

Volatile Organic Compounds. Hydrocarbons are organic gases that are formed from hydrogen and carbon and sometimes other elements. Hydrocarbons that contribute to formation of O_3 are referred to and regulated as VOCs (also referred to as reactive organic gases). Combustion engine exhaust, oil refineries, and fossil-fueled power plants are the sources of hydrocarbons. Other sources of hydrocarbons include evaporation from petroleum fuels, solvents, dry cleaning solutions, and paint.

The primary health effects of VOCs result from the formation of O_3 and its related health effects. High levels of VOCs in the atmosphere can interfere with oxygen intake by reducing the amount of available oxygen through displacement. Carcinogenic forms of hydrocarbons, such as benzene, are considered TACs. There are no separate ambient air quality standards for VOCs as a group.

Non-Criteria Air Pollutants

Toxic Air Contaminants. A substance is considered toxic if it has the potential to cause adverse health effects in humans, including increasing the risk of cancer upon exposure, or acute and/or chronic non-cancer health effects. A toxic substance released into the air is considered a TAC. TACs are identified by federal and state agencies based on a review of available scientific evidence. In the state of California, TACs are identified through a two-step process that was established in 1983 under the Toxic Air Contaminant Identification and Control Act. This two-step process of risk identification and risk management and reduction was designed to protect residents from the health effects of toxic substances in the air. In addition, the California Air Toxics "Hot Spots" Information and Assessment Act, Assembly Bill (AB) 2588, was enacted by the legislature in 1987 to address public concern over the release of TACs into the atmosphere. The law requires facilities emitting toxic substances to provide local air pollution control districts with information that will allow an assessment of the air toxics problem, identification of air toxics emissions sources, location of resulting hotspots, notification of the public exposed to significant risk, and development of effective strategies to reduce potential risks to the public over 5 years.

Examples include certain aromatic and chlorinated hydrocarbons, certain metals, and asbestos. TACs are generated by a number of sources, including stationary sources, such as dry cleaners, gas stations, combustion sources, and laboratories; mobile sources, such as automobiles; and area sources, such as landfills. Adverse health effects associated with exposure to TACs may include carcinogenic (i.e., cancer-causing) and non-carcinogenic effects. Non-carcinogenic effects typically affect one or more target organ systems and may be experienced on either short-term (acute) or long-term (chronic) exposure to a given TAC.

Diesel Particulate Matter. Diesel particulate matter (DPM) is part of a complex mixture that makes up diesel exhaust. Diesel exhaust is composed of two phases, gas and particle, both of which contribute to health risks. More than 90% of DPM is less than 1 micrometer in diameter (about 1/70 the diameter of a human hair), and thus is a subset of $PM_{2.5}$ (CARB 2019f). DPM is typically composed of carbon particles ("soot," also called black carbon) and numerous organic compounds, including over 40 known cancer-causing organic substances. Examples of these chemicals include polycyclic aromatic hydrocarbons, benzene, formaldehyde, acetaldehyde, acrolein, and 1,3-butadiene (CARB 2019f). The CARB classified "particulate emissions from diesel-fueled engines" (i.e., DPM) (17 CCR 93000) as a TAC in August 1998. DPM is emitted from a broad range of diesel engines: on-road diesel engines, including trucks, buses, and cars, and off-road diesel engines, including locomotives, marine vessels, and heavy-duty construction equipment, among others. Approximately 70% of all airborne cancer risk in California is

associated with DPM (CARB 2000). To reduce the cancer risk associated with DPM, CARB adopted a diesel risk reduction plan in 2000 (CARB 2000). Because it is part of $PM_{2.5}$, DPM also contributes to the same non-cancer health effects as $PM_{2.5}$ exposure. These effects include premature death; hospitalizations and emergency department visits for exacerbated chronic heart and lung disease, including asthma; increased respiratory symptoms; and decreased lung function in children. Several studies suggest that exposure to DPM may also facilitate development of new allergies (CARB 2019f). Those most vulnerable to non-cancer health effects are children, whose lungs are still developing, and older people, who often have chronic health problems.

Odorous Compounds. Odors are generally regarded as an annoyance rather than a health hazard. Manifestations of a person's reaction to odors can range from psychological (e.g., irritation, anger, or anxiety) to physiological (e.g., circulatory and respiratory effects, nausea, vomiting, and headache). The ability to detect odors varies considerably among the population and overall is quite subjective. People may have different reactions to the same odor. An odor that is offensive to one person may be perfectly acceptable to another (e.g., coffee roaster). An unfamiliar odor is more easily detected and is more likely to cause complaints than a familiar one. In a phenomenon known as odor fatigue, a person can become desensitized to almost any odor, and recognition may only occur with an alteration in the intensity. The occurrence and severity of odor impacts depend on the nature, frequency, and intensity of the source; wind speed and direction; and the sensitivity of receptors.

Sensitive Receptors

Some land uses are considered more sensitive to changes in air quality than others, depending on the population groups and the activities involved. People most likely to be affected by air pollution include children, the elderly, athletes, and people with cardiovascular and chronic respiratory diseases. Facilities and structures where these air-pollution-sensitive people live or spend considerable amounts of time are known as sensitive receptors. Land uses where air-pollution-sensitive individuals are most likely to spend time include schools and schoolyards, parks and playgrounds, daycare centers, nursing homes, hospitals, and residential communities (sensitive sites or sensitive land uses) (CARB 2005). The South Coast Air Quality Management District (SCAQMD) identifies sensitive receptors as residences, schools, playgrounds, childcare centers, long-term healthcare facilities, rehabilitation centers, convalescent centers, and retirement homes (SCAQMD 1993).

Sensitive receptors near Reclamation Plant No. 1 (Plant 1) include residential receptors approximately 100 feet from the western boundary of the site and 400 feet from the eastern site boundary. Similarly, sensitive receptors near Treatment Plant No. 2 (Plant 2) include residential receptors approximately 100 feet from the western boundary of the site. The joint plant projects would occur on Plant 1 and/or Plant 2, so the closest sensitive receptors would be the same as the ones identified for the Plants 1 and 2. The collection system and pump stations (collection system) projects are located within the Orange County Sanitation District (Sanitation District) operating region that include developed lands which support residential, commercial, education, and industrial land uses, as well as local and regional parks, and a variety of sensitive receptors.

4.2.2 Relevant Plans, Policies, and Ordinances

Federal

Criteria Air Pollutants

The federal Clean Air Act, passed in 1970 and last amended in 1990, forms the basis for the national air pollution control effort. EPA is responsible for implementing most aspects of the Clean Air Act, including setting National

Ambient Air Quality Standards (NAAQS) for major air pollutants; setting hazardous air pollutant standards; approving state attainment plans; setting motor vehicle emissions standards; issuing stationary source emissions standards and permits; and establishing acid rain control measures, stratospheric O_3 protection measures, and enforcement provisions. NAAQS are established for criteria pollutants under the Clean Air Act, which are O_3, CO, NO_2, SO_2, PM_{10}, $PM_{2.5}$, and lead.

The NAAQS describe acceptable air quality conditions designed to protect the health and welfare of the citizens of the nation. The NAAQS (other than for O_3, NO_2, SO_2, PM_{10}, $PM_{2.5}$, and those based on annual averages or arithmetic mean) are not to be exceeded more than once per year. NAAQS for O_3, NO_2, SO_2, PM_{10}, and $PM_{2.5}$ are based on statistical calculations over 1- to 3-year periods, depending on the pollutant. The Clean Air Act requires EPA to reassess the NAAQS at least every 5 years to determine whether adopted standards are adequate to protect public health based on current scientific evidence. States with areas that exceed the NAAQS must prepare a State Implementation Plan that demonstrates how those areas will attain the NAAQS within mandated timeframes.

Hazardous Air Pollutants

The 1977 federal Clean Air Act amendments required the EPA to identify National Emission Standards for Hazardous Air Pollutants to protect public health and welfare. Hazardous air pollutants (HAPs) include certain VOCs, pesticides, herbicides, and radionuclides that present a tangible hazard, based on scientific studies of exposure to humans and other mammals. Under the 1990 federal Clean Air Act amendments, which expanded the control program for HAPs, 189 substances and chemical families were identified as HAPs.

State

Criteria Air Pollutants

The federal Clean Air Act delegates the regulation of air pollution control and the enforcement of the NAAQS to the states. In California, the task of air quality management and regulation has been legislatively granted to CARB, with subsidiary responsibilities assigned to air quality management districts and air pollution control districts at the regional and county levels. CARB, which became part of the California Environmental Protection Agency in 1991, is responsible for ensuring implementation of the California Clean Air Act of 1988, responding to the federal Clean Air Act, and regulating emissions from motor vehicles and consumer products.

CARB has established California Ambient Air Quality Standards (CAAQS), which are generally more restrictive than the NAAQS. As stated previously, an ambient air quality standard defines the maximum amount of a pollutant averaged over a specified period of time that can be present in outdoor air without harm to the public's health. For each pollutant, concentrations must be below the relevant CAAQS before a geographical area can attain the corresponding CAAQS. Air quality is considered “in attainment” if pollutant levels are continuously below the CAAQS and violate the standards no more than once each year. The CAAQS for O_3, CO, SO_2 (1-hour and 24-hour), NO_2, PM_{10}, and $PM_{2.5}$ and visibility-reducing particles are values that are not to be exceeded. All others are not to be equaled or exceeded.

California air districts have based their thresholds of significance for California Environmental Quality Act (CEQA) purposes on the levels that scientific and factual data demonstrate that the air basin can accommodate without affecting the attainment date for the NAAQS or CAAQS. Since an ambient air quality standard is based on maximum pollutant levels in outdoor air that would not harm the public’s health, and air district thresholds pertain to attainment of the ambient air quality standard, this means that the thresholds established by air districts are also protective of human health.

The NAAQS and CAAQS are presented in Table 4.2-1.

Table 4.2-1. Ambient Air Quality Standards

Pollutant	Averaging Time	California Standards[a]	National Standards[b]	
		Concentration[c]	*Primary[c,d]*	*Secondary[c,e]*
Ozone (O_3)	1 hour	0.09 ppm (180 μg/m³)	—	Same as Primary Standard[f]
	8 hours	0.070 ppm (137 μg/m³)	0.070 ppm (137 μg/m³)f	
Nitrogen dioxide (NO_2)[g]	1 hour	0.18 ppm (339 μg/m³)	0.100 ppm (188 μg/m³)	Same as Primary Standard
	Annual Arithmetic Mean	0.030 ppm (57 μg/m³)	0.053 ppm (100 μg/m³)	
Carbon monoxide (CO)	1 hour	20 ppm (23 mg/m³)	35 ppm (40 mg/m³)	None
	8 hours	9.0 ppm (10 mg/m³)	9 ppm (10 mg/m³)	
Sulfur dioxide (SO_2)[h]	1 hour	0.25 ppm (655 μg/m³)	0.075 ppm (196 μg/m³)	—
	3 hours	—	—	0.5 ppm (1,300 μg/m³)
	24 hours	0.04 ppm (105 μg/m³)	0.14 ppm (for certain areas)[g]	—
	Annual	—	0.030 ppm (for certain areas)[g]	—
Course Particulate Matter (PM_{10})[i]	24 hours	50 μg/m³	150 μg/m³	Same as Primary Standard
	Annual Arithmetic Mean	20 μg/m³	—	
Fine Particulate Matter ($PM_{2.5}$)[i]	24 hours	—	35 μg/m³	Same as Primary Standard
	Annual Arithmetic Mean	12 μg/m³	12.0 μg/m³	15.0 μg/m³
Lead[j,k]	30-day Average	1.5 μg/m³	—	—
	Calendar Quarter	—	1.5 μg/m³ (for certain areas)[k]	Same as Primary Standard
	Rolling 3-Month Average	—	0.15 μg/m³	
Hydrogen sulfide	1 hour	0.03 ppm (42 μg/m³)	—	—
Vinyl chloride[j]	24 hours	0.01 ppm (26 μg/m³)	—	—
Sulfates	24 hours	25 μg/m³	—	—
Visibility-reducing particles	8 hour (10:00 a.m. to 6:00 p.m. PST)	Insufficient amount to produce an extinction coefficient of 0.23 per kilometer due to particles when the relative humidity is less than 70%	—	—

Source: CARB 2016.

Notes: ppm = parts per million by volume; μg/m³ = micrograms per cubic meter; mg/m³= milligrams per cubic meter; PST = Pacific Standard Time.

[a] California standards for O_3, CO, SO_2 (1-hour and 24-hour), NO_2, suspended particulate matter—PM_{10}, $PM_{2.5}$, and visibility-reducing particles—are values that are not to be exceeded. All others are not to be equaled or exceeded. California Ambient Air Quality Standards are listed in the Table of Standards in Section 70200 of Title 17 of the California Code of Regulations.

[b] National standards (other than O_3, NO_2, SO_2, particulate matter, and those based on annual averages or annual arithmetic mean) are not to be exceeded more than once a year. The O_3 standard is attained when the fourth highest 8-hour concentration measured at each site in a year, averaged over 3 years, is equal to or less than the standard. For PM_{10}, the 24-hour standard is attained when the expected number of days per calendar year with a 24-hour average concentration above 150 μg/m³ is equal to or less than one. For $PM_{2.5}$, the 24-hour standard is attained when 98% of the daily concentrations, averaged over 3 years, are equal to or less than the standard.

[c] Concentration expressed first in units in which it was promulgated. Equivalent units given in parentheses are based upon a reference temperature of 25°C) and a reference pressure of 760 torr. Most measurements of air quality are to be corrected to a reference temperature of 25°C and a reference pressure of 760 torr; ppm in this table refers to ppm by volume, or micromoles of pollutant per mole of gas.

[d] National Primary Standards: The levels of air quality necessary, with an adequate margin of safety to protect the public health.

[e] National Secondary Standards: The levels of air quality necessary to protect the public welfare from any known or anticipated adverse effects of a pollutant.

[f] On October 1, 2015, the primary and secondary National Ambient Air Quality Standards for O_3 were lowered from 0.075 ppm to 0.070 ppm

[g] To attain the 1-hour national standard, the 3-year average of the annual 98th percentile of the 1-hour daily maximum concentrations at each site must not exceed 100 parts per billion (ppb). Note that the national 1-hour standard is in units of ppb. California standards are in units of ppm. To directly compare the national 1-hour standard to the California standards the units can be converted from ppb to ppm. In this case, the national standard of 100 ppb is identical to 0.100 ppm.

[h] On June 2, 2010, a new 1-hour SO_2 standard was established and the existing 24-hour and annual primary standards were revoked. To attain the 1-hour national standard, the 3-year average of the annual 99th percentile of the 1-hour daily maximum concentrations at each site must not exceed 75 ppb. The 1971 SO_2 national standards (24-hour and annual) remain in effect until 1 year after an area is designated for the 2010 standard, except that in areas designated nonattainment of the 1971 standards, the 1971 standards remain in effect until implementation plans to attain or maintain the 2010 standards are approved.

[i] On December 14, 2012, the national annual $PM_{2.5}$ primary standard was lowered from 15 μg/m³ to 12.0 μg/m³. The existing national 24-hour $PM_{2.5}$ standards (primary and secondary) were retained at 35 μg/m³, as was the annual secondary standard of 15 μg/m³. The existing 24-hour PM_{10} standards (primary and secondary) of 150 μg/m³ also were retained. The form of the annual primary and secondary standards is the annual mean, averaged over 3 years.

[j] CARB has identified lead and vinyl chloride as TACs with no threshold level of exposure for adverse health effects determined. These actions allow for the implementation of control measures at levels below the ambient concentrations specified for these pollutants.

[k] The national standard for lead was revised on October 15, 2008, to a rolling 3-month average. The 1978 lead standard (1.5 μg/m³ as a quarterly average) remains in effect until one year after an area is designated for the 2008 standard, except that in areas designated nonattainment for the 1978 standard, the 1978 standard remains in effect until implementation plans to attain or maintain the 2008 standard are approved.

Toxic Air Contaminants

The state Air Toxics Program was established in 1983 under AB 1807 (Tanner). The California TAC list identifies more than 700 pollutants, of which carcinogenic and non-carcinogenic toxicity criteria have been established for a subset of these pollutants pursuant to the California Health and Safety Code. In accordance with AB 2728, the state list includes the (federal) HAPs. In 1987, the Legislature enacted the Air Toxics "Hot Spots" Information and Assessment Act of 1987 (AB 2588) to address public concern over the release of TACs into the atmosphere. AB 2588 law requires facilities emitting toxic substances to provide local air pollution control districts with information that will allow an assessment of the air toxics problem, identification of air toxics emissions sources, location of resulting hotspots, notification of the public exposed to significant risk, and development of effective strategies to reduce potential risks to the public over 5 years. TAC emissions from individual facilities are quantified and prioritized. "High-priority" facilities are required to perform a health risk assessment, and if specific thresholds are exceeded, the facility operator is required to communicate the results to the public in the form of notices and public meetings.

In 2000, CARB approved a comprehensive Diesel Risk Reduction Plan to reduce diesel emissions from both new and existing diesel-fueled vehicles and engines (CARB 2000). The regulation is anticipated to result in an 80% decrease in statewide diesel health risk in 2020 compared with the diesel risk in 2000. Additional regulations apply to new trucks and diesel fuel, including the On-Road Heavy Duty Diesel Vehicle (In-Use) Regulation, the On-Road Heavy Duty (New) Vehicle Program, the In-Use Off-Road Diesel Vehicle Regulation, and the New Off-Road Compression-Ignition (Diesel) Engines and Equipment Program. These regulations and programs have timetables

by which manufacturers must comply and existing operators must upgrade their diesel-powered equipment. There are several airborne toxic control measures that reduce diesel emissions, including In-Use Off-Road Diesel-Fueled Fleets (13 CCR 2449 et seq.) and In-Use On-Road Diesel-Fueled Vehicles (13 CCR 2025).

California Health and Safety Code Section 41700

Section 41700 of the Health and Safety Code states that a person shall not discharge from any source whatsoever quantities of air contaminants or other material that cause injury, detriment, nuisance, or annoyance to any considerable number of persons or to the public; or that endanger the comfort, repose, health, or safety of any of those persons or the public; or that cause, or have a natural tendency to cause, injury or damage to business or property. This section also applies to sources of objectionable odors.

Regional and Local

South Coast Air Quality Management District

While CARB is responsible for the regulation of mobile emissions sources within the state, local air quality management districts and air pollution control districts are responsible for enforcing standards and regulating stationary sources. SCAQMD is the regional agency responsible for the regulation and enforcement of federal, state, and local air pollution control regulations in the SCAB, where the project is located. SCAQMD operates monitoring stations in the SCAB, develops rules and regulations for stationary sources and equipment, prepares emissions inventory and air quality management planning documents, and conducts source testing and inspections. SCAQMD's Air Quality Management Plans (AQMPs) include control measures and strategies to be implemented to attain the CAAQS and NAAQS in the SCAB. SCAQMD then implements these control measures as regulations to control or reduce criteria pollutant emissions from stationary sources or equipment.

The most-recently adopted AQMP is the 2016 AQMP (SCAQMD 2017), which was adopted by the SCAQMD governing board on March 3, 2017. The 2016 AQMP is a regional blueprint for achieving air quality standards and healthful air. The 2016 AQMP addresses criteria air pollutant emissions from ocean-going vessels, which are considered federal sources, and includes emissions associated with marine vessels and engines in the baseline year and future forecasts. The 2016 AQMP's overall control strategy is an integral approach relying on fair-share emission reductions from federal, state, and local levels. The 2016 AQMP is composed of stationary and mobile source emission reductions from traditional regulatory control measures, incentive-based programs, co-benefits from climate programs, mobile source strategies, and reductions from federal sources (SCAQMD 2017). These control strategies are to be implemented in partnership with CARB and EPA.

The previous AQMP was the 2012 AQMP, which was adopted in February 2013 (SCAQMD 2013). The 2012 AQMP proposed policies and measures to achieve national and California standards for improved air quality in the SCAB and those portions of the Salton Sea Air Basin (formerly named the Southeast Desert Air Basin) that are under SCAQMD jurisdiction. The 2012 AQMP is designed to meet applicable federal and state requirements for O_3 and particulate matter. The 2012 AQMP documents that attainment of the federal 24-hour $PM_{2.5}$ standard is impracticable by 2015 and the SCAB should be classified as a "Serious" nonattainment area along with the appropriate federal requirements. The 2012 AQMP includes the planning requirements to meet the 1-hour O_3 standard. The 2012 AQMP demonstrates attainment of the federal 24-hour $PM_{2.5}$ standard by 2014 in the SCAB through adoption of all feasible measures. Finally, the 2012 AQMP updates the EPA-approved 8-hour O_3 control plan with new measures designed to reduce reliance on the Clean Air Act section 182(e)(5) long-term measures for NO_x and VOC reductions. The 2012 AQMP reduction and control measures, which are outlined to mitigate

emissions, are based on existing and projected land use and development. The EPA, with a final ruling on April 14, 2016, approved the Clean Air Act planning requirements for the 24-hour $PM_{2.5}$ standard portion and on September 3, 2014, approved the 1-hour O_3 Clean Air Act planning requirements.

Applicable Rules

Emissions that would result from project construction may be subject to SCAQMD rules and regulations, which may include the following:

Rule 201 – Permit to Construct. This rule establishes an orderly procedure for the review of new and modified sources of air pollution through the issuance of permits. Rule 201 specifies that any facility installing nonexempt equipment that causes or controls the emissions of air pollutants must first obtain a permit to construct from SCAQMD.

Rule 202 – Temporary Permit to Operate. This rule requires a person to obtain a permit to construct prior to operating new equipment, altered equipment, or existing equipment that is being put into service.

Rule 203 – Permit to Operate. This rule states that a person shall not operate or use any equipment permit unit, the use of which may cause the issuance of air contaminants, or the use of which may reduce or control the issuance of air contaminants, without first obtaining a written permit to operate from the Executive Officer.

Rule 212 – Standards for Approving Permits and Issuing Public Notice. This rule outlines the standards for approving permits, including permits to construct and permits to operate, and the process for public notification and comment.

Rule 219 – Equipment Not Requiring a Written Permit Pursuant to Regulation II. This rule identifies equipment, processes, or operations that emit small amounts of air contaminant that shall not require written permits.

Rule 401 – Visible Emissions. This rule establishes the limit for visible emissions from stationary sources for a period or periods aggregating more than three minutes in any hour. This rule prohibits visible emissions dark or darker than Ringelmann No. 1 for periods greater than three minutes in any hour or such opacity which could obscure an observer's view to a degree equal or greater than does smoke.

Rule 402 – Nuisance. This rule prohibits the discharge of air pollutants from a facility that cause injury, detriment, nuisance, or annoyance to the public or damage to business or property.

Rule 403 – Fugitive Dust. This rule requires fugitive dust sources to implement best available control measures for all sources and prohibits all forms of visible particulate matter from crossing any property line. SCAQMD Rule 403 is intended to reduce PM_{10} emissions from any transportation, handling, construction, or storage activity that has the potential to generate fugitive dust.

Rule 431.2 – Sulfur Content of Liquid Fuels. The purpose of this rule is to limit the sulfur content in diesel and other liquid fuels for the purpose both of reducing the formation of SO_x and particulates during combustion and of enabling the use of add-on control devices for diesel-fueled internal combustion engines. The rule applies to all refiners, importers, and other fuel suppliers such as distributors, marketers, and retailers, as well as to users of diesel, low-sulfur diesel, and other liquid fuels for stationary-source applications in the SCAQMD. The rule also affects diesel fuel supplied for mobile source applications.

Rule 1113 – Architectural Coatings. This rule requires manufacturers, distributors, and end users of architectural and industrial maintenance coatings to reduce VOC emissions from the use of these coatings, primarily by placing limits on the VOC content of various coating categories.

Rule 1166 – VOC Emissions from Decontamination of Soil. This rule sets requirements to control the emission of VOCs from excavating, grading, handling, and treating VOC-contaminated soil as a result of leakage from storage or transfer operations, accidental spillage, or other deposition.

Rule 1401 – New Source Review of Toxic Air Contaminants. This rule specifies limits for maximum individual cancer risk, cancer burden, and non-cancer acute and chronic hazard index from new permit units, relocations, or modifications to existing permit units, which emit toxic air contaminants listed in Table I of Rule 1401. The rule establishes allowable risks for permit units requiring new permits pursuant to Rules 201 or 203.

~~Regulation XIV –~~ **Rule 1403, Asbestos Emissions from Demolition/Renovation Activities.** This rule states that an owner or operator of any demolition or renovation activity is required to have an asbestos study performed prior to demolition and to provide notification to SCAQMD prior to commencing demolition activities.

Rule 1470 – Requirements for Stationary Diesel-Fueled Internal Combustion and Other Compression Ignition Engines. This rule sets the requirements for ownership and operation of stationary compression ignition engines within SCAQMD with a rated brake horsepower greater than 50. Rule 1470 limits the particulate matter, hydrocarbons, NO_x, non-methane hydrocarbons plus NO_x, and CO from stationary compression ignition engines and implements the Airborne Toxics Control Measure for Stationary Compression Ignition Engines that was approved by CARB in February 2004.

Regulation XIII – New Source Review. This regulation sets preconstruction review requirements for new, modified, or relocated facilities to ensure that the operation of such facilities does not interfere with progress in attainment of the NAAQS and that future economic growth within SCAQMD is not unnecessarily restricted. The specific air quality goal of this regulation is to achieve no net increases from new or modified permitted sources of nonattainment air contaminants or their precursors. In addition to nonattainment air contaminants, this regulation will also limit emissions increases of ammonia and O_3-depleting compounds from new, modified, or relocated facilities by requiring the use of best available control technology.

Regulation XIV – Toxics and Other Non-Criteria Pollutants. This regulation includes rules that regulate toxics and other non-criteria pollutants. It provides specifications for maximum individual cancer risk, cancer burden, and non-cancer acute and chronic hazard index from new permit units, relocations, or modifications to existing permit units that emit TACs. The rules establish allowable risks for permit units requiring new permits pursuant to Rules 201 or 203. Under this regulation, Rule 1401 (New Source Review of Toxic Air Contaminants) specifies limits for maximum individual cancer risk, cancer burden, and non-cancer acute and chronic hazard indices from new permit units, relocations, or modifications to existing permit units that emit TACs listed in the rule.

Regulation XXX – Title V Permits. The Title V Permit system is the air pollution control permit system required to implement the federal Operating Permit Program as required by Title V of the federal Clean Air Act as amended in 1990 and to implement requirements for greenhouse gases pursuant to 40 CFR Parts 70. This regulation defines permit application and issuance procedures as well as compliance requirements associated with the program.

Southern California Association of Governments

The Southern California Association of Governments (SCAG) is the regional planning agency for Los Angeles, Orange, Ventura, Riverside, San Bernardino, and Imperial Counties and serves as a forum for regional issues relating to

transportation, the economy, community development, and the environment. SCAG serves as the federally designated metropolitan planning organization for the Southern California region and is the largest metropolitan planning organization in the United States.

With respect to air quality planning and other regional issues, SCAG has prepared the 2008 Regional Comprehensive Plan: Helping Communities Achieve a Sustainable Future (2008 RCP) for the region (SCAG 2008). The 2008 RCP sets the policy context in which SCAG participates in and responds to the SCAQMD air quality plans and builds off the SCAQMD AQMP processes that are designed to meet health-based criteria pollutant standards in several ways (SCAG 2008). First, it complements AQMPs by providing guidance and incentives for public agencies to consider best practices that support the technology-based control measures in AQMPs. Second, the 2008 RCP emphasizes the need for local initiatives that can reduce the region's greenhouse gas emissions that contribute to climate change, an issue that is largely outside the focus of local attainment plans. Third, the 2008 RCP emphasizes the need for better coordination of land use and transportation planning, which heavily influences the emissions inventory from the transportation sectors of the economy. This also minimizes land use conflicts, such as residential development near freeways, industrial areas, or other sources of air pollution.

On April 7, 2016, SCAG's Regional Council adopted the 2016–2040 Regional Transportation Plan/Sustainable Communities Strategy (2016 RTP/SCS). The 2016 RTP/SCS is a long-range visioning plan that balances future mobility and housing needs with economic, environmental, and public health goals. The 2016 RTP/SCS charts a course for closely integrating land use and transportation so that the region can grow smartly and sustainably. The 2016 RTP/SCS was prepared through a collaborative, continuous, and comprehensive process with input from local governments, county transportation commissions, tribal governments, nonprofit organizations, businesses, and local stakeholders within the counties of Imperial, Los Angeles, Orange, Riverside, San Bernardino, and Ventura. In June 2016, SCAG received its conformity determination from the Federal Highway Administration and the Federal Transit Administration indicating that all air quality conformity requirements for the 2016 RTP/SCS and associated 2015 Federal Transportation Improvement Program Consistency Amendment through Amendment 15-12 have been met (SCAG 2016). The SCAQMD 2016 AQMP applies the updated SCAG growth forecasts assumed in the 2016 RTP/SCS.

SCAG has developed Connect SoCal, the 2020–2045 RTP/SCS, which is a long-range visioning plan that balances future mobility and housing needs with economic, environmental, and public health goals. Connect SoCal charts a path toward a more mobile, sustainable, and prosperous region by making connections between transportation networks, planning strategies, and the people whose collaboration can improve the quality of life for Southern Californians. Connect SoCal embodies a collective vision for the region's future and is developed with input from local governments, county transportation commissions, tribal governments, non-profit organizations, businesses, and local stakeholders within the counties of Imperial, Los Angeles, Orange, Riverside, San Bernardino, and Ventura. On May 7, 2020, SCAG's Regional Council adopted Connect SoCal for federal transportation conformity purposes only. SCAG's 2020–2045 RTP/SCS was adopted on September 3, 2020. ~~In light of the COVID-19 pandemic, the Regional Council will consider approval of Connect SoCal in its entirety and for all other purposes within 120 days from May 7, 2020.~~

Regional and Local Air Quality Conditions

SCAB Attainment Designation

Pursuant to the 1990 federal Clean Air Act amendments, EPA classifies air basins (or portions thereof) as "attainment" or "nonattainment" for each criteria air pollutant based on whether the NAAQS have been achieved. Generally, if the recorded concentrations of a pollutant are lower than the standard, the area is classified as "attainment" for that

pollutant. If an area exceeds the standard, the area is classified as "nonattainment" for that pollutant. If there is not enough data available to determine whether the standard is exceeded in an area, the area is designated as "unclassified" or "unclassifiable." The designation of "unclassifiable/attainment" means that the area meets the standard or is expected to be meet the standard despite a lack of monitoring data. Areas that achieve the standards after a nonattainment designation are re-designated as maintenance areas and must have approved Maintenance Plans to ensure continued attainment of the standards. The California Clean Air Act, like its federal counterpart, called for the designation of areas as "attainment" or "nonattainment," but based on CAAQS rather than the NAAQS. Table 4.2-2 depicts the current attainment status of the SCAB with respect to the NAAQS and CAAQS.

Table 4.2-2. South Coast Air Basin Attainment Classification

Pollutant	Designation/Classification	
	National Standards	*California Standards*
Ozone (O_3), 1-hour	No national standard	**Nonattainment**
Ozone (O_3), 8-hour	**Extreme nonattainment**	**Nonattainment**
Nitrogen Dioxide (NO_2)	Unclassifiable/attainment	Attainment
Carbon Monoxide (CO)	Attainment/maintenance	Attainment
Sulfur Dioxide (SO_2)	Unclassifiable/attainment	Attainment
Coarse Particulate Matter (PM_{10})	Attainment/maintenance	**Nonattainment**
Fine Particulate Matter ($PM_{2.5}$)	**Serious nonattainment**	**Nonattainment**
Lead	Nonattainment	Attainment
Hydrogen Sulfide	No national standard	Unclassified
Sulfates	No national standard	Attainment
Visibility-Reducing Particles	No national standard	Unclassified
Vinyl Chloride	No national standard	No designation

Sources: EPA 2020a (national); CARB 2019g (California).
Notes: Bold text = not in attainment; attainment = meets the standards; attainment/maintenance = achieves the standards after a nonattainment designation; nonattainment = does not meet the standards; unclassified or unclassifiable = insufficient data to classify; unclassifiable/attainment = meets the standard or is expected to be meet the standard despite a lack of monitoring data.

In summary, the SCAB is designated as a nonattainment area for federal and state O_3 standards and federal and state $PM_{2.5}$ standards. The SCAB is designated as a nonattainment area for state PM_{10} standards; however, it is designated as an attainment area for federal PM_{10} standards. The SCAB is designated as an attainment area for federal and state CO standards, federal and state NO_2 standards, and federal and state SO_2 standards. While the SCAB has been designated as nonattainment for the federal rolling 3-month average lead standard, it is designated attainment for the state lead standard (EPA 2020a; CARB 2019g).

Despite the current nonattainment status, air quality in the SCAB has generally improved since the inception of air pollutant monitoring in 1976. This improvement is mainly a result of lower-polluting on-road motor vehicles, more stringent regulation of industrial sources, and the implementation of emission reduction strategies by SCAQMD. This trend toward cleaner air has occurred in spite of continued population growth. PM_{10} levels have declined almost 50% since 1990, and $PM_{2.5}$ levels have also declined 50% since measurements began in 1999 (SCAQMD 2013). Similar improvements are observed with O_3, although the rate of O_3 decline has slowed in recent years.

Local Ambient Air Quality

CARB, air districts, and other agencies monitor ambient air quality at approximately 250 air quality monitoring stations across the state. SCAQMD monitors local ambient air quality at the project site. Air quality monitoring

stations usually measure pollutant concentrations 10 feet above ground level; therefore, air quality is often referred to in terms of ground-level concentrations. The most recent background ambient air quality data from 2016 to 2018 are presented in Table 4.2-3.

Four air quality monitoring stations are located throughout Orange County, including Anaheim (1630 West Pampas Lane), Anaheim (812 West Vermont Street), Costa Mesa (2850 Mesa Verde Drive), and La Habra (West Lambert Road). Given that individual projects associated with the project collection system are distributed throughout Orange County, data were examined for each of the four air quality monitoring sites and the maximum air pollutant average is presented in Table 4.2-3. The data collected at these stations are considered representative of the air quality experienced in the project vicinity. The number of days exceeding the ambient air quality standards is also shown in Table 4.2-3.

Table 4.2-3. Local Ambient Air Quality Data

Monitoring Station	Unit	Averaging Time	Agency/ Method	Ambient Air Quality Standard	Measured Concentration by Year			Exceedances by Year		
					2016	*2017*	*2018*	*2016*	*2017*	*2018*
Ozone (O3)										
West Lambert Road	ppm	Maximum 1-hour concentration	California	0.09	0.103	0.113	0.111	3	5	3
	ppm	Maximum 8-hour concentration	California	0.070	0.079	0.087	0.078	7	12	4
			National	0.070	0.078	0.086	0.077	6	12	4
Nitrogen Dioxide (NO2)										
West Vermont Street	ppm	Maximum 1-hour concentration	California	0.18	0.075	0.086	0.061	0	0	0
			National	0.100	0.0752	0.0864	0.0617	0	0	0
	ppm	Annual concentration	California	0.030	0.023	0.022	0.020	—	—	—
			National	0.053	—	—	—	—	—	—
Carbon Monoxide (CO)										
West Vermont Street	ppm	Maximum 1-hour concentration	California	20	—	—	—	—	—	—
			National	35	3.7	3.3	2.7	0	0	0
	ppm	Maximum 8-hour concentration	California	9.0	—	—	—	—	—	—
			National	9	2.2	2.6	2.2	0	0	0
Sulfur Dioxide (SO2)										
Mesa Verde Drive	ppm	Maximum 1-hour concentration	National	0.075	0.033	0.019	—	0	0	0
	ppm	Maximum 24-hour concentration	National	0.14	0.007	0.005	—	0	0	0
	ppm	Annual concentration	National	0.030	0.0011	0.001[a]	—	0	0	0

Table 4.2-3. Local Ambient Air Quality Data

Monitoring Station	Unit	Averaging Time	Agency/ Method	Ambient Air Quality Standard	Measured Concentration by Year			Exceedances by Year		
					2016	*2017*	*2018*	*2016*	*2017*	*2018*
Coarse Particulate Matter (PM10)b										
Pampas Lane	µg/m³	Maximum 24-hour concentration	California	50	74.0	95.7	94.6	18.4 (3)	32.8 (5)	12.0 (2)
			National	150	74.0	95.7	94.6	0.0 (0)	0.0 (0)	0.0 (0)
	µg/m³	Annual concentration	California	20	28.0	26.9	27.7	—	—	—
Fine Particulate Matter (PM2.5)b										
Pampas Lane	µg/m³	Maximum 24-hour concentration	National	35	44.4	53.9	63.1	1.1 (1)	ND (7)	7.2 (7)
	µg/m³	Annual concentration	California	12	45.5	56.2	68.0	—	—	—
			National	12.0	9.4	ND	11.4	—	—	—

Sources: CARB 2020; EPA 2020b.

Notes: ppm = parts per million by volume; — = not available; µg/m³ = micrograms per cubic meter; ND = insufficient data available to determine the value.

Data taken from CARB iADAM (http://www.arb.ca.gov/adam) and EPA AirData (http://www.epa.gov/airdata/) represent the highest concentrations experienced over a given year.

Exceedances of national and California standards are only shown for O_3 and particulate matter. Daily exceedances for particulate matter are estimated days because PM_{10} and $PM_{2.5}$ are not monitored daily. All other criteria pollutants did not exceed national or California standards during the years shown. There is no national standard for 1-hour O_3, annual PM_{10}, or 24-hour SO_2, nor is there a California 24-hour standard for $PM_{2.5}$.

Anaheim – Pampas Lane Monitoring Station is located at 1630 W. Pampas Lane, Anaheim, California 92802.

Anaheim – Vermont Street Monitoring Station is located at 812 W. Vermont Street, Anaheim, California 92802.

Costa Mesa – Mesa Verde Drive Monitoring Station is located at 2850 E. Mesa Verde Drive, Costa Mesa, California 92626.

La Habra – Lambert Road Monitoring Station is located at 621 W. Lambert Road, La Habra, California 90631.

[a] Mean does not satisfy minimum data completeness criteria.

[b] Measurements of PM_{10} and $PM_{2.5}$ are usually collected every 6 days and every 1 to 3 days, respectively. Number of days exceeding the standards is a mathematical estimate of the number of days concentrations would have been greater than the level of the standard had each day been monitored. The numbers in parentheses are the measured number of samples that exceeded the standard.

4.2.3 Thresholds of Significance

4.2.3.1 Significance Criteria

The significance criteria used to evaluate the proposed FMP's impacts to air quality are based on Appendix G of the CEQA Guidelines. According to Appendix G, a significant impact related to air quality would occur if a project would:

1. Conflict with or obstruct implementation of the applicable air quality plan.
2. Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard.
3. Expose sensitive receptors to substantial pollutant concentrations.
4. Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people.

Appendix G of the CEQA Guidelines (14 CCR 15000 et seq.) indicates that, where available, the significance criteria established by the applicable air quality management district or air pollution control district may be relied upon to determine whether a proposed project would have a significant impact on air quality.

SCAQMD has established Air Quality Significance Thresholds, as revised in April 2019, that set forth quantitative emission significance thresholds below which a project would not have a significant impact on ambient air quality (SCAQMD 2019). The quantitative air quality analysis provided herein applies the SCAQMD thresholds identified in Table 4.2-4 to determine the potential for the project to result in a significant impact under CEQA.

Table 4.2-4. SCAQMD Air Quality Significance Thresholds

Criteria Pollutants Mass Daily Thresholds		
Pollutant	*Construction (pounds per day)*	*Operation (pounds per day)*
VOCs	75	55
NO_x	100	55
CO	550	550
SO_x	150	150
PM_{10}	150	150
$PM_{2.5}$	55	55
Lead[a]	3	3
TACs and Odor Thresholds		
TACs[b]	Maximum incremental cancer risk ≥10 in 1 million Cancer Burden > 0.5 excess cancer cases (in areas ≥1 in 1 million) Chronic and acute hazard index ≥1.0 (project increment)	
Odor	Project creates an odor nuisance pursuant to SCAQMD Rule 402	
Ambient Air Quality Standards for Criteria Pollutants[c]		
NO_2 1-hour average NO_2 annual arithmetic mean	SCAQMD is in attainment; project is significant if it causes or contributes to an exceedance of the following attainment standards: 0.18 ppm (state) 0.030 ppm (state) and 0.0534 ppm (federal)	
CO 1-hour average CO 8-hour average	SCAQMD is in attainment; project is significant if it causes or contributes to an exceedance of the following attainment standards: 20 ppm (state) and 35 ppm (federal) 9.0 ppm (state/federal)	
PM_{10} 24-hour average PM_{10} annual average	10.4 μg/m³ (construction)[d] 2.5 μg/m³ (operation) 1.0 μg/m³	
$PM_{2.5}$ 24-hour average	10.4 μg/m³ (construction)[d] 2.5 μg/m³ (operation)	

Source: SCAQMD 2019.

Notes: SCAQMD = South Coast Air Quality Management District; VOC = volatile organic compounds; NO_x = oxides of nitrogen; CO = carbon monoxide; SO_x = sulfur oxides; PM_{10} = coarse particulate matter; $PM_{2.5}$ = fine particulate matter; TAC = toxic air contaminant; NO_2 = nitrogen dioxide; ppm = parts per million by volume; μg/m³ = micrograms per cubic meter.

greenhouse gas emissions thresholds for industrial projects, as added in the March 2015 revision to the SCAQMD Air Quality Significance Thresholds, were not include included in this table as they are addressed within the greenhouse gas emissions analysis and not the air quality analysis.

[a] The phaseout of leaded gasoline started in 1976. Since gasoline no longer contains lead, the project is not anticipated to result in impacts related to lead; therefore, it is not discussed in this analysis.

[b] TACs include carcinogens and noncarcinogens.

[c] Ambient air quality standards for criteria pollutants are based on SCAQMD Rule 1303, Table A-2, unless otherwise stated.

[d] Ambient air quality threshold are based on SCAQMD Rule 403.

The phasing out of leaded gasoline started in 1976. As gasoline no longer contains lead, the proposed project is not anticipated to result in impacts related to lead; therefore, it is not discussed in this analysis.

The evaluation of whether the project would conflict with or obstruct implementation of the applicable air quality plan (CEQA Guidelines, Appendix G, Threshold 1) is based on the SCAQMD CEQA Air Quality Handbook (SCAQMD 1993), Chapter 12, Sections 12.2 and 12.3. The first criterion assesses whether the project would result in an increase in the frequency or severity of existing air quality violations or cause or contribute to new violations, or delay the timely attainment of air quality standards of the interim emissions reductions specified in the AQMP, which is addressed in detail under Section 4.2.4(b) in Section 4.2.4, Impacts Analysis. The second criterion is whether the project would exceed the assumptions in the AQMP or increments based on the year of project buildout and phase, as discussed further in Section 4.2.4(a).

To evaluate the potential for the proposed FMP to result in a cumulatively considerable net increase of any criteria pollutant for which the FMP region is nonattainment under an applicable federal or state ambient air quality standard (CEQA Guidelines, Appendix G, Threshold 2), this analysis applies SCAQMD's construction criteria pollutants mass daily thresholds, as shown in Table 4.2-4. Only those thresholds related to potentially significant construction impacts are applied herein because the FMP would not generate substantial criteria pollutant emissions or related impacts associated with operational activities. A project would potentially result in a cumulatively considerable net increase in O_3, which is a nonattainment pollutant, if the project's construction emissions would exceed the SCAQMD VOC or NO_x thresholds shown in Table 4.2-4. These emissions-based thresholds for O_3 precursors are intended to serve as a surrogate for an "ozone significance threshold" (i.e., the potential for adverse O_3 impacts to occur). This approach is used because O_3 is not emitted directly, and the effects of an individual project's emissions of O_3 precursors (VOC and NO_x) on O_3 levels in ambient air cannot be determined through air quality models or other quantitative methods.

The assessment of the FMP's potential to expose sensitive receptors to substantial pollutant concentrations (CEQA Guidelines, Appendix G, Threshold 3) includes a localized significance threshold (LST) analysis, as recommended by SCAQMD, to evaluate the potential of localized air quality impacts to sensitive receptors in the immediate vicinity of a proposed project from construction and operation. For project sites of 5 acres or less, the SCAQMD LST Methodology (SCAQMD 2009) includes lookup tables that can be used to determine the maximum allowable daily emissions that would satisfy the localized significance criteria (i.e., the emissions would not cause an exceedance of the applicable concentration limits for NO_2, CO, PM_{10}, and $PM_{2.5}$) without performing project-specific dispersion modeling.

The LST significance thresholds for NO_2 and CO represent the allowable increase in concentrations above background levels in the vicinity of a project that would not cause or contribute to an exceedance of the relevant ambient air quality standards, while the threshold for PM_{10} represents compliance with Rule 403 (Fugitive Dust). The LST significance threshold for $PM_{2.5}$ is intended to ensure that construction emissions do not contribute substantially to existing exceedances of the $PM_{2.5}$ ambient air quality standards. The allowable emission rates depend on the following parameters:

1. Source-Receptor Area (SRA) in which the project is located
2. Size of the project site
3. Distance between the project site and the nearest sensitive receptor (e.g., residences, schools, hospitals)

Plant 1, Plant 2, and the joint plant activities would be in SRA 18 (North Coastal Orange County). There are five SRAs in Orange County where the proposed collection system improvements would occur. These include SRA 16 (North Orange County), SRA 17 (Central Orange County), SRA 18 (North Coastal Orange County), SRA 19

(Saddleback Valley), and SRA 20 (Central Orange County Coastal). The most stringent LST for these five SRAs are applied to the collection system projects.

LST pollutant screening level concentration data is currently published for 1-, 2-, and 5-acre sites for varying distances (25, 50, 100, 200, and 500 meters [approximately 82, 160, 330, and 660 feet]). The projects under the proposed FMP would have minimal disturbance, so a 1-acre disturbance area was assumed for all projects. While some FMP projects may have a total disturbance footprint greater than 1 acre, it is not reasonably foreseeable that projects would disturb greater than 1 acre per day. Specifically, the Plants 1 and 2 projects are planned on sites that are already developed, thus intensive ground-disturbing activities are not called for as part of the FMP. Additionally, the "demolition" component of these projects call for equipment removal that would not require ground disturbance. The collection system projects are generally smaller projects that would not require large daily footprints. LSTs are more stringent for smaller areas (i.e., 1-acre LSTs are more stringent than 2-acre and 5-acre LSTs); therefore, this approach is conservative.

As discussed in Section 4.2.1, sensitive receptors near Plant 1 include residential receptors approximately 100 feet from the western boundary of the site and 400 feet from the eastern site boundary; sensitive receptors near Plant 2 include residential receptors approximately 100 feet from the western boundary of the site. Accordingly, LSTs reflecting a 25-meter distance (approximately 82 feet) and 1-acre disturbance area were applied to Plant 1, Plant 2, and joint plant projects, which would occur on Plant 1 and/or Plant 2. For the collection system projects, LSTs reflecting a 25-meter distance, which is the shortest distance provided by the SCAQMD lookup tables, and a 1-acre disturbance area were also applied, as sensitive receptors could be within 25 meters of anticipated construction activities.

LST values for Plant 1, Plant 2, and joint plant projects in SRA 18 and the LST values for the collection system throughout the Orange County SRAs, as well as the most stringent LST for the collection system projects, are presented in Table 4.2-5.

Table 4.2-5. Localized Significance Thresholds for Applicable Source-Receptor Areas

Pollutant	Thresholds (pounds per day) *1-Acre Project Site, 25 Meters (82 feet)*
Plant 1, Plant 2, and Joint Plant	
SRA 18 (North Coastal Orange County)	
NO_2	92
CO	647
PM_{10}	4
$PM_{2.5}$	3
Collection System	
SRA 16 (North Orange County)	
NO_2	103
CO	522
PM_{10}	4
$PM_{2.5}$	3
SRA 17 (Central Orange County)	
NO_2	81
CO	485

Table 4.2-5. Localized Significance Thresholds for Applicable Source-Receptor Areas

Pollutant	Thresholds (pounds per day)
	1-Acre Project Site, 25 Meters (82 feet)
PM_{10}	4
$PM_{2.5}$	3
SRA 18 (North Coastal Orange County)	
NO_2	92
CO	647
PM_{10}	4
$PM_{2.5}$	3
SRA 19 (Saddleback Valley)	
NO_2	91
CO	696
PM_{10}	4
$PM_{2.5}$	3
SRA 20 (Central Orange County Coastal)	
NO_2	92
CO	647
PM_{10}	4
$PM_{2.5}$	3
Most Stringent LST	
NO_2	81
CO	647
PM_{10}	4
$PM_{2.5}$	3

Source: SCAQMD 2009.
Notes: SRA = Source-Receptor Area; NO_2 = nitrogen dioxide; CO = carbon monoxide; PM_{10} = coarse particulate matter; $PM_{2.5}$ = fine particulate matter; LST = localized significance threshold.
LSTs are shown for 1-acre project sites corresponding to a distance to a sensitive receptor of 25 meters.

The assessment of the FMP's potential to expose sensitive receptors to substantial pollutant concentrations (CEQA Guidelines, Appendix G, Threshold 3) also includes a construction health risk assessment (HRA) for Plant 1 and Plant 2. A qualitative CO hotspot analysis is also included in Section 4.2.4(c), based on comparison to the SCAQMD 2003 AQMP CO hotspot analysis.

The potential for the FMP to result in other emissions, specifically an odor impact (CEQA Guidelines, Appendix G, Threshold 4), is based on the FMP's land-use types and anticipated construction activity, and the potential for the FMP to create an odor nuisance pursuant to SCAQMD Rule 402.

4.2.3.2 Approach and Methodology

Construction

The California Emissions Estimator Model (CalEEMod) Version 2016.3.2 was used to estimate emissions generated during construction of each project modeled. CalEEMod is a statewide computer model developed in cooperation with air districts throughout the state to quantify criteria air pollutant emissions associated with construction

activities from a variety of land use projects, such as residential, commercial, and industrial facilities. For Plant 1, all project-level projects (7 projects) and all program-level projects (10 projects) were modeled, for a total of 17 model runs. For Plant 2, all project-level projects (5 projects) and all program-level projects (10 projects) were modeled, for a total of 15 model runs. For the joint plant projects, all project-level projects (8 projects) were modeled, resulting in a total of 6 model runs since projects X-057, X-058, and X-059 were modeled in one run because they are essentially one project; there are no program-level joint plant projects.

For the collection system, all project-level projects (10 projects) were modeled. For the program-level collection system projects, a representative project approach was applied to provide a conservative analysis of collection system projects without modeling each project. The program-level activities were grouped by type of activity (e.g., pipeline replacement and pump station rehabilitation), and representative projects were identified that would represent the greatest anticipated intensity of daily and annual construction (in other words, the worst case scenario). Construction specifications of each activity would vary depending on the subject site characteristics, improvement needs, and type of proposed rehabilitation or replacement; however, construction activities within the same category are not expected to differ substantially. Because several of the proposed activities address similar issues, the proposed solutions (such as rehabilitation or replacement) include similar procedures, many of which are techniques the Sanitation District has historically used to address similar issues, such as aging infrastructure. A total of 9 collection system representative projects were modeled that represent 25 program-level projects, resulting in a total of 19 collection system model runs. A summary of the representative projects modeled is as follows:

- **Air Jumpers**. Project X-078, Air Jumper Additions and Rehabilitation, was modeled as 1 air jumper addition project; however, there are 56 air jumper rehabilitation projects. Construction of a maximum of 2 air jumpers could occur in 1 day. The 56 air jumper projects are assumed to be completed over 10 years (from May 2023 to April 2033), ranging from 3 to 6 projects each year.
- **Pipeline Replacement – Open Trench (Cut and Cover) Method**. Project X-066, Tustin–Orange Interceptor Sewer at Reach 18 Rehabilitation, was selected to represent pipeline replacement activity using traditional open-trench construction techniques. The following pipeline replacement projects are represented by project X-066: project X-026, College Avenue Force Main Rehabilitation; project X-065, Tustin–Orange Interceptor Sewer at Reach 17 Rehabilitation; project X-068, North Trunk Rehabilitation; and project X-084, Tustin Avenue Sewer Relief. Project X-066 involves 3,819 linear feet of pipeline replacement, and all projects represented by it would require less linear feet in total (ranging from 615 linear feet to 1,742 linear feet) but are anticipated to require the same level of daily construction activity (i.e., approximately 100 feet per day).
- **Pipeline Replacement – Open Trench (Unique Project)**. Project X-086, Santa Ana River Sewer Relief, includes open-trench pipeline replacement similar to project X-066; however, it requires replacement of approximately 14,270 linear feet. While the daily activity (i.e., approximately 100 feet per day) is anticipated to be the same as the pipeline replacement representative projects, the longer duration of construction would result in greater total emissions; therefore, project X-086 was modeled separately.
- **Pipeline Replacement – Microtunneling**. One pipeline replacement project, project 3-68, Los Alamitos Sub-Trunk Extension, was identified as using the microtunneling construction technique rather than open trench. Accordingly, project 3-68 was modeled separately.
- **Pipeline Relining**. Pipeline relining involves less construction intensity (i.e., approximately 200 feet per day) than pipeline replacement and was therefore modeled separately. Project 7-65, Gisler–Red Hill Interceptor Rehabilitation, was selected to represent pipeline relining because it is the longest pipeline reline project (approximately 13,249 linear feet), which also represents project 7-66 Sunflower and Red Hill Interceptor Rehab/Repair.

- **Pipeline Replacement and Pipeline Relining**. Some pipeline rehabilitation projects include both pipeline replacement and pipeline relining per the needs of different segments in the pipelines. Project X-071, Edinger/Springdale Trunk Sewer Rehabilitation, was selected to represent pipeline replacement and relining activities because it involves the greatest length of pipeline replaced (approximately 5,264 linear feet) and pipeline relined (approximately 5,750 linear feet), which represents the following projects: project 7-68, MacArthur Dual Force Main Improvements; project X-067 (X-085), Hoover–Western Sub-Trunks Sewer Rehabilitation, and project X-061, Imperial Highway Relief Interceptor Rehabilitation.
- **Pump Station Rehabilitation**. Project X-040, College Avenue Pump Station Replacement, was identified to represent a typical pump station rehabilitation project, which represents project X-024, Rocky Point Pump Station Rehabilitation, and project X-025, Bitter Point Pump Station Rehabilitation. Projects X-040, X-024, and X-025 are all very similar; however, project X-040 was selected to represent pump station rehabilitation because it includes additional minor structural repair.
- **Pump Station Rehabilitation and Pipeline Replacement**. One pump station project, project 7-63, MacArthur Pump Station Rehabilitation, also included replacement of two adjacent force mains and was modeled separately.
- **Pump Station Rehabilitation and Pipeline Relining**. Seven projects were identified as pump station rehabilitation and relining of adjacent pipelines, and project 7-67, Main Street Pump Station Replacement and Force Main Rehabilitation, was selected to represent this combined activity because it involves the greatest length of pipeline relining (approximately 6,000 linear feet); the pump station rehabilitation component is anticipated to be relatively the same across projects. The following projects are represented by the project 7-67 model run: project X-023, Lido Pump Station Rehabilitation; project 11-34, Slater Avenue Pump Station Rehabilitation; project 7-64, Main Street Pump Station Rehabilitation; project X-022, 15th Street Pump Station Rehabilitation; project X-041, A Street Pump Station Rehabilitation; and project 5-66, Crystal Cove Pumping Station Upgrade and Rehabilitation.

A total of 57 model runs were conducted to represent 75 projects. However, note that project X-078, Air Jumper Additions and Rehabilitation, involves 56 separate additions or rehabilitations of air jumpers across the Sanitation District service area. A construction assumptions scenario was developed for each of the 57 projects modeled based on the best available project information at this time. Key construction assumptions include phase types, phase timing and duration, off-road equipment use (e.g., type, quantity, and hours of operation per day), number of vehicle trips (e.g., haul trucks, vendor trucks, and worker vehicles) and trip distance, ground disturbance acreage, amount of demolition debris, paving area, and square footage to be painted. See Appendix D for construction assumption details.

The selected phase type and duration were based on the best available information including the Sanitation District's 2017 Facilities Master Plan and/or project descriptions provided by the Sanitation District. Phase timing and sequencing was considered where two or more phases overlap; the maximum daily emissions was estimated and presented in this analysis.

Off-road equipment emissions were estimated in CalEEMod based on the type of equipment, the number of pieces of each equipment, and the hours of operation. CalEEMod default values for equipment horsepower and load factor were applied; in a few instances, the horsepower was modified to reflect the specific equipment anticipated to be used to more accurately estimate potential emissions.[6] For most project model runs, the equipment was assumed to be in operation for 8 hours per day, which is the anticipated maximum daily use; in reality, it is anticipated that

[6] For example, for project P2-138, the crushing/processing equipment was assumed to be 415 horsepower to reflect a larger crusher than CalEEMod default values assume (i.e., 85 horsepower).

equipment would be used for less than 8 hours a day when considering mandated worker breaks and that equipment would only be operated when needed; in addition, it is anticipated that the construction areas cannot allow every piece of equipment to be in operation at the same time. The estimation of off-road equipment emissions and total maximum daily project emissions is therefore conservative. Internal combustion engines used by construction equipment would result in emissions of VOCs, NO_x, CO, SO_x, PM_{10}, and $PM_{2.5}$.

Emissions from vehicle trips are estimated in CalEEMod based on the number of trips, the trip distance, and emission factors for the vehicle category. Regarding the vehicle categories, and consistent with CalEEMod default values, worker trips are assumed to be passenger vehicles and light-duty trucks, vendor truck trips are assumed to be a mix of medium- and heavy-heavy duty trucks, and haul truck trips are assumed to be heavy-heavy duty trucks. Haul truck trips were estimated based on the amount of material that needed to be exported off site to a disposal site. All haul trucks were assumed to have a capacity or 16 cubic yards or 20 tons. The CalEEMod default haul truck assumption for one-way trip length is 20 miles (CAPCOA 2017). While FMP projects occur at varying locations, the CalEEMod assumption is appropriate. Specifically, Plant 1 was used as a point of reference to estimate the distance between project activity and nearby disposal sites. Frank R. Bowerman Landfill (11002 Bee Canyon Access Road, Irvine, California 92602) is located approximately 18.5 miles from Plant 1 (10844 Ellis Avenue, Fountain Valley, California 92708), and Orange County Hazardous Waste (17121 Nichols Lane, Huntington Beach, California 92647) is located 5 miles from Plant 1. Therefore, the CalEEMod default haul truck one-way trip length assumption of 20 miles is appropriate (CAPCOA 2017). In general, the number of needed project workers was estimated based on the number of pieces of equipment and assuming that each piece of equipment would require 1.25 workers (CAPCOA 2017). Vendor trucks are anticipated to be minimal because the anticipated construction activities do not require large quantities of building material, if any; however, vendor truck trips were added to phases where material delivery is anticipated or water trucks may be needed. CalEEMod default values for worker trip length (14.7 miles) and vendor truck trip length (6.9 miles) were applied. Each worker, vendor, and haul truck was estimated to result in two one-way trips. As with equipment, internal combustion engines used by vehicles would result in emissions of VOCs, NO_x, CO, SO_x, PM_{10}, and $PM_{2.5}$.

Fugitive dust (PM_{10} and $PM_{2.5}$ emissions) is generated by entrained dust, which results from the exposure of earth surfaces to wind from the direct disturbance and movement of soil, which occurs during earth movement phases (site preparation and grading) and during the loading of material into haul trucks. Because the projects mostly occur in developed areas and many projects do not include earth movement phases, dust generation is anticipated to be minimal. The FMP projects would be required to comply with SCAQMD Rule 403 to control dust emissions during any dust-generating activities. SCAQMD Rule 403 requires implementation of various best available fugitive dust control measures for different sources for all construction activity sources within its jurisdictional boundaries. Dust control measures include, but are not limited to, maintaining stability of soil through pre-watering of site prior to clearing, grubbing, cut and fill, and earth-moving activities; stabilizing soil during and immediately after clearing, grubbing, cut and fill, and other earth-moving activities; stabilizing backfill during handling and at completion of activity; and pre-watering material prior to truck loading and ensuring that freeboard exceeds 6 inches. While SCAQMD Rule 403 requires fugitive dust control beyond watering control measures, compliance with Rule 403 is represented in CalEEMod by assuming twice daily watering of active sites. Fugitive dust can also be generated by on-road vehicles on paved roads; however, no unpaved roads were assumed, because project sites are developed.

VOC off-gassing emissions would occur during application of asphalt pavement during paving and the application of paint and other coatings during architectural coating. During paving, VOC off-gassing emissions are estimated in CalEEMod based on the area of asphalt pavement assumed and the default emission factor of 2.62 pounds per acre of VOCs. During architectural coating, VOC off-gassing emissions result from evaporation of solvents contained in surface coatings such as in paints and primers. VOC evaporative emissions from application of surface coatings

was estimated based on the VOC emission factor, the estimated building square footage, and the assumed fraction of surface area. The total square footage of new structures was conservatively assumed; however, the majority of the new surfaces are not anticipated to require coating. The VOC emission factor is based on the VOC content of the surface coatings, and SCAQMD's Rule 1113 (Architectural Coatings) governs the VOC content for interior and exterior coatings as well as transportation surface coatings.

For Plant 1, Plant 2, and the joint plant projects, one or more of the following phases are anticipated for each project, which are further described below: demolition, site preparation, structural rehabilitation, building construction, paving, architectural coating, electrical/instrumentation, and/or testing.

- **Demolition**. Demolition may include removal of structures or asphalt pavement, or removal of equipment for replacement. For each project, the amount of demolition debris was estimated based on best available information such as square footage of the demolition structure/area and type of material (e.g., concrete, asphalt, metal, plastic, and lumber) to ensure that associated emissions were captured. Emission sources associated with demolition include off-road equipment operation, vehicle trips including workers and haul trucks exporting demolition material, and dust generated by loading haul trucks with material.
- **Site Preparation**. Since these projects are within the plant boundaries, they are located on developed site conditions and typical site preparation activities such as clearing and grubbing of vegetation and grading are not anticipated. Instead, few projects included site preparation that would entail removing existing asphalt to build a new building where the existing asphalt is located, or adding new asphalt pavement and/or dirt (e.g., grading) over the location of a structure that was demolished during the project, and other activities needed to prepare the site. Emission sources associated with site preparation include off-road equipment operation, vehicle trips including workers and haul trucks exporting material, and dust generated by disturbing earth.
- **Structural Rehabilitation**. Structural rehabilitation would include concrete structural repair and/or plastic lining/coating needed to maintain or improve the structural integrity of the existing structure. Emission sources associated with structural rehabilitation include off-road equipment operation and vehicle trips including workers vendor trucks delivering material.
- **Building Construction**. In most cases, building construction would include physical construction of structures including foundation, structures, and buildings. In some cases, building construction would only include the installation of new equipment. Emission sources associated with building construction include off-road equipment operation and vehicle trips including workers and vendor trucks delivering material.
- **Paving**. Paving, which involves the laying of asphalt or concrete, would occur on projects that require replacing removed pavement or minor repaving activities. Emission sources associated with paving include off-road equipment operation, worker and vendor vehicle trips, and VOC off-gassing from the application of asphalt material.
- **Architectural Coating**. Architectural coating would occur on projects that include building or rehabilitation of structures that would need to be painted on the interior and/or exterior. Architectural coating may also occur on projects that included new asphalt that would need striping or other transportation signage coatings. Emission sources associated with architectural coating include off-road equipment operation, worker and vendor vehicle trips, and VOC off-gassing from the application of paints and other finishes.
- **Electrical/Instrumentation**. Electrical or instrumentation phases include install the electrical and instrumentation components associated with new equipment. Emission sources associated with electrical/instrumentation include off-road equipment operation and worker vehicle trips.
- **Testing**. Testing occurs on many projects and includes the testing of the repaired or replaced equipment or facility. Emission sources associated with testing include off-road equipment operation and worker vehicle trips.

For the collection system projects, one or more of the following phases are anticipated for each project, which are further described below: pipeline installation, pipeline lining, manhole rehabilitation, demolition, site preparation, structural rehabilitation, building construction, paving, architectural coating, and/or testing.

- **Pipeline Installation.** For replacement pipeline projects, pipeline installation is through open trench construction (except for microtunneling Project 3-68). Pipeline installation is assumed to include trenching, excavation of fill, removal and replacement of the pipeline, and backfill and compaction. The pipeline installation phases were modeled as a "grading" phase to capture dust generated during trenching and excavation. As stated above, it was assumed that 100 feet per day of pipeline would be installed based on previous pipeline replacement projects and because it represents a reasonable amount of pipeline that contractors can accomplish in a day. The area of disturbance was calculated based on the total length of the pipeline, the width of the largest pipeline, and additional area to both sides of the pipeline. Emission sources associated with pipeline installation include off-road equipment operation, vehicle trips including workers and haul trucks exporting material, and dust generated by disturbing earth.
- **Pipeline Lining**. Pipeline lining would happen when pipes do not need to be replaced, but internal deficiencies (e.g., corroded or cracked pipe) need to be repaired. It was assumed that 200 feet per day of pipeline would be lined based on previous pipeline lining projects. During pipeline lining, no aboveground disturbance would occur. Emission sources associated with pipeline lining include off-road equipment operation and vehicle trips including workers.
- **Manhole Rehabilitation.** Manhole rehabilitation would occur during some of the pipeline projects to repair or rehabilitate manholes along the pipeline.
- **Demolition.** Similar to the Plant 1, Plant 2, and the joint plant projects, demolition would occur when a structure would need to be removed and/or equipment would be replaced. The demolition phase was typically assumed to occur during the pump station rehabilitation projects. Demolition of existing structures could occur at the end after the new structure, such as a pump station, is built. Emission sources associated with demolition include off-road equipment operation, vehicle trips including workers and haul trucks exporting demolition material, and dust generated by loading haul trucks with material.
- **Site Preparation.** As with the Plant 1, Plant 2, and the joint plant projects, site preparation activities are anticipated to be minor since these improvements are planned to take place on previously developed sites. Emission sources associated with site preparation include off-road equipment operation, vehicle trips including workers and haul trucks exporting material, and dust generated by disturbing earth.
- **Structural Rehabilitation.** Pump station or air jumpers may need concrete repair and/or plastic lining/coating to maintain or improve the structural integrity of the existing structure. Emission sources associated with structural rehabilitation include off-road equipment operation and vehicle trips including workers vendor trucks delivering material.
- **Building Construction.** In some cases, building construction would include physical construction of structures (usually pump stations), which includes construction of the foundation, structures, and buildings. In other cases, building construction would only include the installation of new equipment (e.g., pumps). Emission sources associated with building construction include off-road equipment operation and vehicle trips including workers and vendor trucks delivering material.
- **Paving.** Paving would occur for every pipeline replacement project and was assumed to occur daily to re-pave the active areas each day to ensure no trench would be left open, as well as after pipeline installation is complete to provide a smooth, final pavement. For pipeline replacement projects, the number of acres to be paved was calculated based on the total length of the pipeline, the width of the largest pipeline, and additional area on both sides of the pipeline; therefore, as the width of the largest part of the pipeline was assumed, the asphalt

pavement estimate is conservative. Emission sources associated with paving include off-road equipment operation, worker and vendor vehicle trips, and VOC off-gassing from the application of asphalt material.

- **Architectural Coating.** For collection system projects, the majority of the architectural coating would include transportation striping and signage. Emission sources associated with architectural coating include off-road equipment operation, worker and vendor vehicle trips, and VOC off-gassing from the application of paints and other finishes.
- **Testing.** Testing includes the testing of the repaired or replaced equipment or facility. The testing phase is anticipated to be relatively standard and would include either a generator set or no equipment and a maximum of three workers (six worker trips). Emission sources associated with testing include off-road equipment operation and worker vehicle trips.

Typical equipment by construction phase is presented in Table 4.2-6. It is important to note that not all projects include all phases of construction and not each phase includes all of the equipment listed.

Table 4.2-6. Typical Construction Equipment

Construction Phase	Equipment
Plant 1 and Plant 2	
Demolition	Cranes Crushing/processing equipment Excavators Forklifts Generator sets Pumps Rubber-tired dozers Tractors/loaders/backhoes
Site preparation	Excavators Graders Rubber-tired dozers Tractors/loaders/backhoes
Structural rehabilitation	Aerial lifts Air compressors Cement and mortar mixers Generator sets Pumps
Building construction	Aerial lifts Cement and mortar mixers Cranes Forklifts Generator sets Pumps Tractors/loaders/backhoes Welders
Paving	Pavers Paving equipment Rollers
Architectural coating	Air compressors
Electrical/instrumentation	Generator sets
Testing	Generator sets

Table 4.2-6. Typical Construction Equipment

Construction Phase	Equipment
Joint Plant Projects	
Demolition	Cranes Excavators Pumps Tractors/loaders/backhoes
Site preparation	Graders Rubber-tired dozers Tractors/loaders/backhoes
Structural rehabilitation	Air compressors Cement and mortar mixers Generator sets Pumps
Building construction	Aerial lifts Cranes Cement and mortar mixers Forklifts Pumps Tractors/loaders/backhoes Welders
Paving	Pavers Paving equipment Rollers
Architectural coating	Air compressors
Electrical	Generator sets
Testing	Generator sets
Collection System Projects	
Pipeline installation	Concrete/industrial saws Excavators Forklifts Pumps Tractors/loaders/backhoes
Pipeline lining	Generator sets Pumps
Manhole rehabilitation	Air compressors Generator sets
Demolition	Aerial lifts Cranes Excavators Forklifts Pumps Rubber-tired dozers Tractors/loaders/backhoes
Site preparation	Cement and mortar mixers Generator sets Pumps Tractors/loaders/backhoes Rubber-tired dozers

Table 4.2-6. Typical Construction Equipment

Construction Phase	Equipment
Structural rehabilitation	Air compressors Cement and mortar mixers Generator sets Pumps
Building construction	Aerial lifts Air compressors Cement and mortar mixers Cranes Forklifts Generator sets Pumps Tractors/loaders/backhoes Welders
Paving	Pavers Paving equipment Rollers
Architectural coating	Air compressors
Testing	Generator sets

Operation

The FMP projects would rehabilitate, replace, or abandon existing facilities that are currently subject to ongoing operations and maintenance activity. Accordingly, the projects addressed in this program environmental impact report (PEIR) do not propose appreciable changes to regular operations and maintenance activity by Sanitation District personnel. Therefore, potential operational criteria air pollutant emissions are qualitatively evaluated except for a permanent emergency generator at the Seal Beach pump station, which is quantitatively addressed.

There is an existing temporary emergency diesel-fueled generator at the Seal Beach pump station, which will be replaced with the permanent diesel-fueled emergency generator. Maintenance and testing criteria air pollutant emissions were estimated for the new emergency generator assuming it would operate up to 1 hour per day on any given day during the year with testing generally occurring once per month. The 1 hour per day assumption is conservative because based on existing practice, the pump station emergency generators are typically tested for approximately 1/2 hour per day, once a month. Testing and maintenance emissions were based on manufacturer's specifications for a Caterpillar engine model C32 rated at 1,829 horsepower, and emission factors from EPA Engine Certification (2020) for Caterpillar engine LCPXL32.0NZS (EPA 2020c) (as also referenced in the Caterpillar Emergency Engines SCAQMD Certified Equipment Permit List [SCAQMD 2020]) and industry standard emission factors for pollutants not included in the specifications. No emissions from the existing temporary emergency diesel-fueled generator at the Seal Beach pump station were conservatively considered in this analysis.

Construction Health Risk Assessment

A construction HRA was performed to evaluate potential health risk associated with construction of the proposed project, specifically Plant 1, Plant 2, and joint plant projects. Collection system pipeline construction projects would occur in a linear fashion where emissions would not be concentrated in one location for a prolonged period of time. Other collection system projects, such as pump station rehabilitation projects, are not anticipated to require

intensive construction activities or occur over a long period of time. Based on the anticipated duration of construction, the intensity of construction, and the location of nearby sensitive receptors, the Plant 1 and Plant 2, plus joint plant projects, represent the maximum condition for the construction HRA. The following discussion summarizes the dispersion modeling and HRA methodology; supporting construction HRA documentation, including detailed assumptions, is presented in Appendix D.

For risk assessment purposes, PM_{10} in diesel exhaust is considered DPM, originating mainly from off-road equipment operating at a defined location for a given length of time at a given distance from sensitive receptors. Less-intensive, more-dispersed emissions result from on-road vehicle exhaust (e.g., vendor trucks and heavy-duty diesel trucks). While truck travel is considered an off-site emission source, to conservatively include local truck travel in the construction HRA that evaluates on-site TAC emissions, a diesel truck one-way trip distance of 1,000 feet was assumed in CalEEMod. The 1,000-foot distance assumed for these purposes is derived from the industry-standard for evaluating a project's TAC emissions.

The air dispersion modeling methodology was based on generally accepted modeling practices of SCAQMD (SCAQMD 2020). Air dispersion modeling was performed using the EPA's American Meteorological Society/Environmental Protection Agency Regulatory Model (AERMOD) Version 19191 modeling system (computer software) with the Lakes Environmental Software implementation/user interface, AERMOD View Version 9.9.0. The HRA followed the Office of Environmental Health Hazard Assessment (OEHHA) 2015 guidelines (OEHHA 2015) and SCAQMD guidance to calculate the health risk impacts at all proximate receptors as further discussed below. The dispersion modeling included the use of standard regulatory default options. AERMOD parameters were selected consistent with the SCAQMD and EPA guidance and identified as representative of the project site and project activities. Principal parameters of AERMOD for proposed project construction included the following:

- **Dispersion Model:** The air dispersion model used was AERMOD, Version 19191, with the Lakes Environmental Software implementation/user interface, AERMOD View, Version 9.9.0. A unit emission rate (1 gram per second) was normalized over each unique source of emissions for the AERMOD run to obtain the "X/Q" values. X/Q is a dispersion factor that is the average effluent concentration normalized by source strength, and is used as a way to simplify the representation of emissions from many sources. The maximum concentrations were determined for the 1-hour and period-averaging periods. Table 4.2-7 provides detailed source parameters for modeling emissions with AERMOD. Source parameters were based on information provided by the project applicant and modeling guidance from SCAQMD and the Sacramento Metropolitan Air Quality Management District (SCAQMD 2020; SMAQMD 2013).[7]

Table 4.2-7. Construction Emission Source Parameters

Source ID	Source Name	Source Type	Source Parameters
SLINE1	Plant 1 Construction	Line Volume	Plume Height: 25.00 m Plume Width: 25.00 m Release Height: 5.00 m Emission Rate[a]: 0.007 g/s Number of Volume Sources: 144 Variable Emissions Scenario: 8 hours per day, 5 days per week

[7] The Sacramento Metropolitan Air Quality Management District CEQA Guide was referenced as applicable because it provides specific guidance for modeling emissions from construction sources.

Table 4.2-7. Construction Emission Source Parameters

SLINE2	Plant 2 Construction	Line Volume	Plume Height: 25.00 m Plume Width: 25.00 m Release Height: 5.00 m Emission Rate:[a] 0.01 g/s Number of Volume Sources: 89 Variable Emissions Scenario: 8 hours per day, 5 days per week

Source: SCAQMD 2020; SMAQMD 2013.
Notes: m = meters; g/s = grams per second.
[a] An emission rate of 1 g/s was divided equally between the number of volume sources within the construction sources modeled.

- **Meteorological Data:** The John Wayne Airport meteorological station was selected since it is the closest station and is the most representative of the project site. The latest 6-year meteorological data (2012–2016) for the John Wayne Airport were downloaded from SCAQMD, and then input to AERMOD. A wind rose is provided for this station in Appendix D.
- **Urban and Rural Options:** Typically, urban areas have more surface roughness and structures and low-albedo surfaces that absorb more sunlight, and thus, more heat, relative to rural areas. The urban dispersion option was selected based on the predominant development within 2 kilometers of the project site. The population for Orange County (3,010,232) was used for the urban group.
- **Terrain Characteristics:** Digital elevation model files were imported into AERMOD so that complex terrain features were evaluated as appropriate. The National Elevation Dataset with resolution of 1/3 arc-second was used.
- **Sensitive Receptors:** The HRA evaluates the risk to existing sensitive (including residential) receptors located in proximity to the project site. A uniform Cartesian grid of 10,095 by 10,078 meters was centered over the project site to capture the maximum point of impact and extent of the plume isopleth. A finer Cartesian grid of 20-meter spacing was placed over residential receptors proximate to the project site.
- **Source Release Scenario:** Emissions during construction were assumed to operate up to 8 hours per day, 260 days per year.

The health risk calculations were performed using the Hotspots Analysis and Reporting Program Version 2 (HARP2) Air Dispersion and Risk Tool (dated 19121). AERMOD was run with all sources emitting unit emissions (1 gram per second) to obtain the necessary input values for HARP2. The line of volume sources was partitioned evenly based on the 1 gram per second emission rate. The ground-level concentration plot files were then used to estimate the long-term cancer health risk to an individual, and the non-cancerous chronic health indices. There is no reference exposure level for acute health impacts from DPM, and, thus, acute risk was not evaluated.

Cancer risk is defined as the increase in probability (chance) of an individual developing cancer due to exposure to a carcinogenic compound, typically expressed as the increased chances in 1 million. Maximum Individual Cancer Risk is the estimated probability of a maximally exposed individual potentially contracting cancer as a result of exposure to TACs over a period of 30 years for residential receptor locations. For the construction HRA, the TAC exposure period was assumed to start at the third trimester of pregnancy for all receptor locations. The total exposure duration was assumed to be 20 years (i.e., the assumed duration of project construction). The exposure pathway for DPM is inhalation only.

The SCAQMD has also established non-carcinogenic risk parameters for use in HRAs since some TACs increase non-cancerous health risk due to long-term (chronic) exposures and some TACs increase non-cancerous health risk due to short-term (acute) exposures. No short-term, acute relative exposure level has been established for DPM;

therefore, acute impacts of DPM are not addressed in the HRA. Chronic exposure is evaluated in the construction HRA. Non-carcinogenic risks are quantified by calculating a hazard index, expressed as the ratio between the ambient pollutant concentration and its toxicity or reference exposure level, which is a concentration at or below which health effects are not likely to occur. The chronic hazard index is the sum of the individual substance chronic hazard indices for all TACs affecting the same target organ system. A hazard index less of than one (1.0) means that adverse health effects are not expected.

The risk assessment was performed in accordance with the SCAQMD Risk Assessment Procedures for Rules 1401, 1401.1, and 212 (SCAQMD 2017). The highest year emissions were applied to the entire exposure duration. For Plant 1, this analysis assumed year 2025 for the unmitigated and 2026 for the mitigated analysis and for Plant 2, year 2023 was assumed for the unmitigated and mitigated scenarios. This is an overly conservative scenario as actual modeled emissions over the entire construction period were much lower. Furthermore, the HRA began risk evaluation exposure within the third trimester of pregnancy for a 20 year duration, consistent with the 2015 OEHHA Guidelines.[8] The following risk assessment options were applied to the HRA in accordance with the SCAQMD (2017) guidance:

- Deposition velocity of 0.02 meters per second
- A 'warm' climate was selected for dermal exposure
- The Risk Management Policy (Derived) Method was selected for residential cancer risk
- Pathways for residential risk include inhalation, soil ingestion, dermal absorption, homegrown produce, and mother's milk

Operational Health Risk Assessment

An operational HRA was performed to evaluate potential health risk associated with testing and maintenance of the proposed permanent diesel-fueled emergency generator at the Seal Beach pump station (3-67). The following discussion summarizes the dispersion modeling and HRA methodology; supporting construction HRA documentation, including detailed assumptions, is presented in Appendix D.

As with the construction HRA, PM_{10} in diesel exhaust is considered DPM for the operational HRA. The air dispersion modeling methodology was based on generally accepted modeling practices of SCAQMD (SCAQMD 2020). Air dispersion modeling was performed using AERMOD Version 19191, and health risk calculated followed the OEHHA 2015 guidelines (OEHHA 2015) and SCAQMD guidance to calculate the health risk impacts at all proximate receptors as further discussed below. The operational HRA evaluated maintenance and testing emissions from the emergency generator at the Seal Beach pump station and assumed an exposure duration of 30 years.

The dispersion modeling included the use of standard regulatory default options. AERMOD parameters were selected consistent with SCAQMD and EPA guidance and identified as representative of the Seal Beach pump station site and activities. Principal parameters of AERMOD for proposed project operation included the following:

- **Dispersion Model:** The air dispersion model used was AERMOD, Version 19191, with the Lakes Environmental Software implementation/user interface, AERMOD View, Version 9.9.0. A unit emission rate (1 gram per second) was normalized over each unique source of emissions for the AERMOD run to obtain the "X/Q" values. X/Q is a

[8] OEHHA describes cancer risk evaluations for 9-, 30-, and 70-year exposure durations in the 2015 OEHHA Guidelines, and identifies that the 9- and 30-year durations correspond to the average and high-end of residency time recommended by the EPA, with the 30-year exposure duration recommended for use as the basis for estimating cancer risk at the maximally exposed individual resident in all HRAs (OEHHA 2015).

dispersion factor that is the average effluent concentration normalized by source strength, and is used as a way to simplify the representation of emissions from many sources. The maximum concentrations were determined for the 1-hour and period-averaging periods. Table 4.2-8 provides detailed source parameters for modeling emissions with AERMOD. Source parameters were based on information provided by the Sanitation District and modeling guidance from SCAQMD and Sacramento Metropolitan Air Quality Management (SCAQMD 2013, 2020).

Table 4.2-8. Operational Emission Source Parameters

Source ID	Source Name	Source Type	Source Parameters
STCK1	Seal Point Pump Station Emergency Generator	Point	Release Height: 2.195 m Emission Rate: 1 g/s Gas Exit Temperature: 703.483 K Stack Inside Diameter: 0.406 m Gas Exit Velocity: 36.404 m/s Gas Exit Flow Rate: 4.7222 m^3/s

Source: Caterpillar 2019.
Notes: g/s = grams per second; K = degrees Kelvin; m = meters; m^3/s = cubic meters per second.
[1] An emission rate of 1 g/s was divided equally between the number of volume sources within the construction sources modeled.

- **Meteorological Data:** The Long Beach Airport meteorological station was selected since it is the closest station and is the most representative of the project sites. The latest 5-year meteorological data (2012–2016) for the John Wayne Airport were downloaded from SCAQMD, and then input to AERMOD.
- **Urban and Rural Options:** Typically, urban areas have more surface roughness and structures and low-albedo surfaces that absorb more sunlight, and thus, more heat, relative to rural areas. The urban dispersion option was selected based on the predominant development within 2 kilometers of the project site. The population for Orange County was used for the urban group.
- **Terrain Characteristics:** Digital elevation model files were imported into AERMOD so that complex terrain features were evaluated as appropriate. The National Elevation Dataset dataset with resolution of 1/3 arc-second was used.
- **Sensitive Receptors:** This HRA evaluates the risk to existing sensitive (including residential) receptors located in proximity to the project site. A uniform Cartesian grid of 3,865 by 3,516 meters was centered over the project site to capture the maximum point of impact and extent of the plume isopleth. A finer Cartesian grid of 20 meter spacing was placed over residential receptors proximate to the project site.
- **Source Release Scenario:** Emissions during operation were assumed to operate up to 1 hour per day, 50 hours per year. No variable emissions scenario was used.

The operational emissions of the project were estimated using the exhaust PM emission rate from the manufacturers data sheet (Caterpillar 2017). The generator was assumed to operate up to 50 hours per year for maintenance and testing in accordance with CARB's Airborne Toxic Control Measure for Stationary Compression Ignition Engines (17 CCR 93115).

4.2.4 Impacts Analysis

1. Would the project conflict with or obstruct implementation of the applicable air quality plan?

Less-than-Significant Impact with Mitigation Incorporated. As previously discussed, the FMP projects are located within the SCAB under the jurisdiction of the SCAQMD, which is the local agency

responsible for administration and enforcement of air quality regulations for the area. The SCAQMD has established criteria for determining consistency with the AQMP, currently the 2016 AQMP, in Chapter 12, Sections 12.2 and 12.3, in the SCAQMD CEQA Air Quality Handbook (SCAQMD 1993). The criteria are as follows (SCAQMD 1993):

- **Consistency Criterion No. 1:** The project will not result in an increase in the frequency or severity of existing air quality violations or cause or contribute to new violations, or delay the timely attainment of air quality standards of the interim emissions reductions specified in the AQMP.
- **Consistency Criterion No. 2:** The project will not exceed the assumptions in the AQMP or increments based on the year of project buildout and phase.

Consistency Criterion No. 1

Section 4.2.4(b), evaluates the proposed project's potential impacts with regards to State CEQA Guidelines Appendix G Threshold 2 (cumulatively considerable net increase of a nonattainment criteria pollutant). The SCAQMD mass daily construction thresholds are applied to evaluate the potential for a project to result in a cumulatively considerable net increase of a nonattainment criteria pollutant (Threshold 2), as well as the potential for the project to result in an increase in the frequency or severity of existing air quality violations or cause or contribute to new violations (Consistency Criterion No. 1).

As discussed below, the proposed project would result in construction-generated NO_x emissions that would exceed the SCAQMD mass daily construction threshold. Thus, it would potentially conflict with Consistency Criterion No. 1 of the SCAQMD CEQA Air Quality Handbook.

Consistency Criterion No. 2

While striving to achieve the NAAQS for O_3 and $PM_{2.5}$ and the CAAQS for O_3, PM_{10}, and $PM_{2.5}$ through a variety of air quality control measures, the 2016 AQMP also accommodates planned growth in the SCAB. Projects are considered consistent with, and would not conflict with or obstruct implementation of, the 2016 AQMP if the growth in socioeconomic factors (e.g., population, employment) is consistent with the underlying regional plans used to develop the AQMP (per Consistency Criterion No. 2 of the SCAQMD CEQA Air Quality Handbook).

The SCAQMD primarily uses demographic growth forecasts for various socioeconomic categories (e.g., population, housing, employment by industry) developed by the SCAG for its RTP/SCS (SCAG 2016), which is based on general plans for cities and counties in the SCAB, for the development of the AQMP emissions inventory (SCAQMD 2017).[9] The SCAG 2016 RTP/SCS, and associated Regional Growth Forecast, are generally consistent with the local plans; therefore, the 2016 AQMP is generally consistent with local government plans.

As discussed in Section 3, Project Description, the project would not proposed changes to the applicable General Plan land use designations or zoning at Plant 1, Plant 2, joint plant projects, or the collection system project sites. No housing is proposed and no additional employees for project operation would be required as

[9] Information necessary to produce the emission inventory for the SCAB is obtained from the SCAQMD and other governmental agencies, including CARB, the California Department of Transportation, and SCAG. Each of these agencies is responsible for collecting data (e.g., industry growth factors, socioeconomic projections, travel activity levels, emission factors, emission speciation profile, and emissions) and developing methodologies (e.g., model and demographic forecast improvements) required to generate a comprehensive emissions inventory. SCAG incorporates these data into their Travel Demand Model for estimating/projecting vehicle miles traveled and driving speeds. SCAG's socioeconomic and transportation activities projections in their 2016 RTP/SCS are integrated in the 2016 AQMP (SCAQMD 2017).

part of the proposed project. While construction activities would require construction workers, construction workers are anticipated be served from the existing workforce and would not result in the need for additional workers or associated housing. Accordingly, the project is consistent with the SCAG RTP/SCS forecasts used in the SCAQMD AQMP development. Therefore, the project does not propose activities that would induce additional population in the FMP area or generate a net increase in vehicle trips. Accordingly, the project would be consistent with the SCAG RTP/SCS forecasts used in the SCAQMD AQMP development.

Based on these considerations, vehicle trip generation and planned development for the project sites are concluded to have been anticipated in the SCAG growth projections and implementation of the project would not result in a conflict with, or obstruct implementation of, the applicable air quality plan (i.e., SCAQMD 2016 AQMP). Accordingly, the project would meet Consistency Criterion No. 2 of the SCAQMD CEQA Air Quality Handbook.

Summary

As described previously, the proposed project would potentially result in an increase in the frequency or severity of existing air quality violations or cause or contribute to new violations due to exceedance of the SCAQMD construction NO_x threshold, and would potentially conflict with Consistency Criterion No. 1. Implementation of the proposed project would not exceed the demographic growth forecasts in the SCAG 2016 RTP/SCS; therefore, the project would be consistent with the SCAQMD 2016 AQMP. Thus, the project would not conflict with Consistency Criterion No. 2. However, because the project would potentially conflict with Consistency Criterion No. 1, impacts related to the project's potential to conflict with or obstruct implementation of the applicable air quality plan is considered potentially significant and **Mitigation Measure (MM) AQ-1** (provided in Section 4.2.5, Mitigation Measures) is required.

Following implementation of **MM-AQ-1**, the FMP would not exceed the SCAQMD mass daily construction thresholds for any criteria air pollutant, including NO_x; therefore, the FMP would not conflict with Consistency Criterion No. 1 and impacts would be less than significant with mitigation.

2. Would the project result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard?

Less-than-Significant Impact with Mitigation Incorporated. Past, present, and future development projects may contribute to the SCAB adverse air quality impacts on a cumulative basis. By its nature, air pollution is largely a cumulative impact. The nonattainment status of regional pollutants is a result of past and present development, and SCAQMD develops and implements plans for future attainment of ambient air quality standards. Based on these considerations, project-level thresholds of significance for criteria pollutants are used in the determination of whether a project's individual emissions would have a cumulatively considerable contribution on air quality. If a project's emissions would exceed the SCAQMD significance thresholds, it would have a cumulatively considerable contribution. Conversely, projects that do not exceed the project-specific thresholds are generally not considered to be cumulatively significant (SCAQMD 2003a).

Construction of the proposed project would result in emissions of criteria air pollutants, which may result in a cumulatively considerable net increase in emissions of criteria air pollutants for which the SCAB is designated as nonattainment under the NAAQS or CAAQS. The following discussion quantitatively evaluates potential short-term construction and qualitatively evaluates long-term operational impacts that would result from implementation of the proposed project.

Construction Emissions

Proposed construction activities associated with the various project components would result in the temporary addition of pollutants to the local airshed caused by on-site sources (i.e., off-road construction equipment and soil disturbance) and off-site sources (i.e., on-road haul trucks, delivery trucks, and worker vehicle trips). Construction emissions can vary substantially from day to day, depending on the level of activity; the specific type of operation; and, for dust, the prevailing weather conditions. Therefore, such emission levels can only be approximately estimated with a corresponding uncertainty in precise ambient air quality impacts.

CalEEMod was used to calculate the annual criteria air pollutant emissions based on the construction scenario described in Section 4.2.3.2, Approach and Methodology (Construction Emissions). Construction of the project is assumed to take place over 20 years. Tables 4.2-9~~8~~, 4.2-10~~9~~, 4.2-11~~10~~, 4.2-12~~11~~, and 4.2-13~~12~~ present construction emissions for the proposed project from on-site and off-site emission sources for Plant 1, Plant 2, joint plant projects, collection system, and the entire project, respectively.

Because regional criteria air pollutant emissions are cumulative in nature, the potential impact of project implementation is evaluated on the whole rather than at the individual project-level. Emissions from each modeled project were estimated based on the best available information on construction start and end dates, as well as construction phasing. Recognizing that construction schedules may change slightly, this analysis conservatively assumes that the maximum daily emissions (i.e., worst-case day) from each project in each year would occur on the same day. The maximum daily emissions for the entire FMP in each year of construction are presented in Table 4.2-13~~12~~, Combined Projects Estimated Maximum Daily Construction Emissions, and compared to the SCAQMD construction mass daily thresholds.

Table 4.2-9~~8~~. Plant 1 Estimated Maximum Daily Construction Emissions

Project	VOC	NO_x	CO	SO_x	PM_{10}[a]	$PM_{2.5}$[a]
	Pounds per day					
2023						
P1-135 Digester Ferric Piping Replacement	2.63	23.18	29.20	0.06	1.92	1.33
Combined Maximum	*2.63*	*23.18*	*29.2*	*0.06*	*1.92*	*1.33*
2024						
P1-126 Primary Clarifiers Replacements and Improvements	3.16	26.80	37.78	0.07	2.17	1.33
X-090 Network, Telecommunications, and Service Relocation at Plant 1	0.65	6.13	7.69	0.01	1.13	0.69
Combined Maximum	*3.81*	*32.93*	*45.47*	*0.08*	*3.30*	*2.02*
2025						
P1-126 Primary Clarifiers Replacements and Improvements	2.39	19.84	26.62	0.05	1.13	0.85
X-093 Administrative Facilities and Power Building 3A Demolition	1.29	11.99	15.07	0.03	1.16	0.59
X-077 Switchgear Replacement at Central Generation	0.70	6.64	7.45	0.02	0.39	0.29

Table 4.2-9~~8~~. Plant 1 Estimated Maximum Daily Construction Emissions

Project	VOC	NO_x	CO	SO_x	PM_{10}[a]	$PM_{2.5}$[a]
	Pounds per day					
Combined Maximum	*4.38*	*38.47*	*49.14*	*0.10*	*2.68*	*1.73*
2026						
P1-126 Primary Clarifiers Replacements and Improvements	2.39	19.83	26.58	0.05	1.13	0.85
X-093 Administrative Facilities and Power Building 3A Demolition	4.88	11.98	15.05	0.03	1.12	0.59
X-092 Standby Generator Feeders for Plant 1 Secondary Systems	1.01	8.91	10.71	0.02	0.50	0.36
Combined Maximum	*8.28*	*40.72*	*52.34*	*0.10*	*2.75*	*1.80*
2027						
P1-126 Primary Clarifiers Replacements and Improvements	2.28	19.72	26.41	0.05	1.21	0.88
X-092 Standby Generator Feeders for Plant 1 Secondary Systems	1.01	8.91	10.70	0.02	0.50	0.36
X-048 Activated Sludge (AS)-1 Aeration Basin and Blower Rehabilitation	1.35	12.59	18.88	0.03	0.80	0.55
Combined Maximum	*4.64*	*41.22*	*55.99*	*0.10*	*2.51*	*1.79*
2028						
P1-126 Primary Clarifiers Replacements and Improvements	1.03	7.99	12.42	0.02	0.48	0.37
X-048 Activated Sludge (AS)-1 Aeration Basin and Blower Rehabilitation	2.56	21.54	29.18	0.06	1.26	0.92
Combined Maximum	*4.64*	*41.22*	*55.99*	*0.10*	*2.51*	*1.79*
2029						
X-048 Activated Sludge (AS)-1 Aeration Basin and Blower Rehabilitation	0.68	5.66	8.16	0.02	0.34	0.25
X-017 Primary Clarifiers 6-37	0.68	6.39	8.15	0.02	0.43	0.28
Combined Maximum	*1.36*	*12.05*	*16.31*	*0.04*	*0.77*	*0.53*
2030						
X-048 Activated Sludge (AS)-1 Aeration Basin and Blower Rehabilitation	0.54	4.48	8.10	0.02	0.23	0.14
X-017 Primary Clarifiers 6-37	0.54	4.48	8.09	0.02	0.23	0.14
Combined Maximum	*1.08*	*8.96*	*16.19*	*0.04*	*0.46*	*0.28*
2031						
X-048 Activated Sludge (AS)-1 Aeration Basin and Blower Rehabilitation	0.01	0.01	0.10	0.00	0.07	0.02

Table 4.2-98. Plant 1 Estimated Maximum Daily Construction Emissions

Project	VOC	NO_x	CO	SO_x	PM_{10}[a]	$PM_{2.5}$[a]
	Pounds per day					
P1-127 Central Generation Rehabilitation	0.68	2.48	7.39	0.02	0.16	0.10
X-017 Primary Clarifiers 6-37	1.82	13.33	25.44	0.05	0.61	0.35
X-038 City Water Pump Station Rehabilitation	0.69	3.81	6.65	0.02	0.20	0.11
Combined Maximum	*3.20*	*19.63*	*39.58*	*0.09*	*1.04*	*0.58*
2032						
P1-127 Central Generation Rehabilitation	1.74	12.80	24.16	0.05	0.56	0.34
X-017 Primary Clarifiers 6-37	1.82	13.33	25.42	0.05	0.61	0.35
X-038 City Water Pump Station Rehabilitation	0.69	3.81	6.65	0.02	0.20	0.11
X-049 Activated Sludge (AS)-1 Clarifier and RAS Pump Station Rehabilitation	0.84	4.77	9.87	0.02	0.22	0.14
X-043 DAFT Demolition	1.05	4.82	12.37	0.03	0.85	0.24
Combined Maximum	*6.14*	*39.53*	*78.47*	*0.17*	*2.44*	*1.18*
2033						
P1-127 Central Generation Rehabilitation	0.21	1.81	3.72	0.01	0.10	0.06
X-017 Primary Clarifiers 6-37	0.01	0.01	0.08	<0.01	0.07	0.02
X-049 Activated Sludge (AS)-1 Clarifier and RAS Pump Station Rehabilitation	1.78	13.42	26.23	0.05	0.58	0.36
Combined Maximum	*2.00*	*15.24*	*30.03*	*0.06*	*0.75*	*0.44*
2034						
X-049 Activated Sludge (AS)-1 Clarifier and RAS Pump Station Rehabilitation	1.78	13.42	26.21	0.05	0.58	0.36
X-015 Trickling Filters Rehabilitation	1.31	6.87	17.13	0.04	0.46	0.22
Combined Maximum	*3.09*	*20.29*	*43.34*	*0.09*	*1.04*	*0.58*
2035						
X-015 Trickling Filters Rehabilitation	1.23	7.35	17.17	0.04	0.34	0.18
X-006 Waste Side-Stream Pump Station 1 Upgrade	1.41	11.40	25.14	0.05	0.45	0.23
Combined Maximum	*2.64*	*18.75*	*42.31*	*0.09*	*0.79*	*0.41*
2036						
X-015 Trickling Filters Rehabilitation	1.24	7.35	17.17	0.04	0.34	0.18
X-006 Waste Side-Stream Pump Station 1 Upgrade	1.17	8.10	17.65	0.04	0.31	0.16
X-039 Plant Water Pump Station Rehabilitation	0.63	3.29	6.61	0.02	0.17	0.08
X-079 Primary Scrubber Rehabilitation	1.49	9.41	22.03	0.05	0.45	0.23

Table 4.2-98. Plant 1 Estimated Maximum Daily Construction Emissions

Project	VOC	NO_x	CO	SO_x	PM_{10}[a]	$PM_{2.5}$[a]
	Pounds per day					
Combined Maximum	*4.53*	*28.15*	*63.46*	*0.15*	*1.27*	*0.65*
2037						
X-039 Plant Water Pump Station Rehabilitation	0.18	1.60	3.71	0.01	0.08	0.04
X-079 Primary Scrubber Rehabilitation	1.31	7.81	18.33	0.04	0.36	0.19
X-018 Activated Sludge (AS) 2 Rehabilitation	0.97	6.11	13.59	0.03	0.31	0.15
Combined Maximum	*2.46*	*15.52*	*35.63*	*0.08*	*0.75*	*0.38*
2038						
X-018 Activated Sludge (AS) 2 Rehabilitation	0.94	6.11	12.96	0.02	0.37	0.15
Combined Maximum	*0.94*	*6.11*	*12.96*	*0.02*	*0.37*	*0.15*
2039						
X-018 Activated Sludge (AS) 2 Rehabilitation	0.94	5.44	10.76	0.02	0.37	0.14
Combined Maximum	*0.94*	*5.44*	*10.76*	*0.02*	*0.37*	*0.14*
Maximum						
Maximum Daily Emissions	**8.28**	**41.22**	**78.47**	**0.17**	**3.30**	**2.02**

Notes: VOC = volatile organic compound; NO_x = oxides of nitrogen; CO = carbon monoxide; SO_x = sulfur oxides; PM_{10} = coarse particulate matter; $PM_{2.5}$ = fine particulate matter; RAS = Return Activated Sludge; DAFT = dissolved air flotation thickeners.
See Appendix D for detailed results.

[a] These estimates reflect control of fugitive dust (watering two times daily) required by South Coast Air Quality Management District Rule 403.

Table 4.2-109. Plant 2 Estimated Maximum Daily Construction Emissions

Project	VOC	NO_x	CO	SO_x	PM_{10}[a]	$PM_{2.5}$[a]
	Pounds per day					
2021						
P2-138 Operations and Maintenance Complex at Plant 2	19.64	59.61	49.18	0.11	3.64	2.69
Combined Maximum	*19.64*	*59.61*	*49.18*	*0.11*	*3.64*	*2.69*
2022						
P2-138 Operations and Maintenance Complex at Plant 2	6.40	50.55	40.11	0.11	2.78	2.23
P2-126 Substation and Warehouse Replacement at Plant 2	4.71	42.75	44.57	0.08	5.30	3.56
Combined Maximum	*11.11*	*93.30*	*84.68*	*0.19*	*8.08*	*5.79*

Table 4.2-109. Plant 2 Estimated Maximum Daily Construction Emissions

Project	VOC	NO_x	CO	SO_x	PM_{10}[a]	$PM_{2.5}$[a]
	Pounds per day					
2023						
P2-126 Substation and Warehouse Replacement at Plant 2	41.49	62.97	83.02	0.15	5.30	3.48
Combined Maximum	*41.49*	*62.97*	*83.02*	*0.15*	*5.30*	*3.48*
2024						
P2-126 Substation and Warehouse Replacement at Plant 2	6.96	59.18	82.66	0.15	3.61	2.68
X-050 Activated Sludge (AS) Aeration Basin	2.04	16.12	23.89	0.04	1.24	0.85
Combined Maximum	*9.00*	*75.30*	*106.55*	*0.19*	*4.85*	*3.53*
2025						
P2-126 Substation and Warehouse Replacement at Plant 2	3.81	32.94	47.84	0.09	1.99	1.42
X-050 Activated Sludge (AS) Aeration Basin	1.93	15.22	23.83	0.04	1.14	0.75
Combined Maximum	*5.74*	*48.16*	*71.67*	*0.13*	*3.13*	*2.17*
2026						
X-050 Activated Sludge (AS) Aeration Basin	1.01	8.91	10.69	0.02	0.50	0.36
X-032 Truck Loading Facility Rehabilitation	1.46	11.94	15.72	0.03	0.75	0.51
P2-X-054 Waste Side-Stream Pump C Rehabilitation	1.40	11.89	19.01	0.03	0.71	0.52
Combined Maximum	*3.87*	*32.74*	*45.42*	*0.08*	*1.96*	*1.39*
2027						
X-050 Activated Sludge (AS) Aeration Basin	0.29	2.40	3.77	0.01	0.16	0.11
X-032 Truck Loading Facility Rehabilitation	1.46	11.93	15.69	0.03	0.75	0.51
P2-X-054 Waste Side-Stream Pump C Rehabilitation	1.40	11.89	18.99	0.03	0.71	0.52
X-034 Sodium Bisulfite Station Replacement and Bleach Station Demolition	1.10	9.48	15.30	0.03	0.59	0.41
Combined Maximum	*4.25*	*35.70*	*53.75*	*0.10*	*2.21*	*1.55*
2028						
X-034 Sodium Bisulfite Station Replacement and Bleach Station Demolition	0.28	2.40	3.78	0.01	0.16	0.11
Combined Maximum	*0.28*	*2.40*	*3.78*	*0.01*	*0.16*	*0.11*
2031						
P2-119 Central Generation Rehabilitation	0.98	4.52	11.28	0.03	0.52	0.19

Table 4.2-109. Plant 2 Estimated Maximum Daily Construction Emissions

Project	VOC	NO_x	CO	SO_x	PM_{10}[a]	$PM_{2.5}$[a]
	Pounds per day					
X-036 City Water Pump Station Rehabilitation	0.69	2.66	7.47	0.02	0.21	0.11
X-007 Waste Side-Stream Pump Station 2A Upgrade	1.74	8.79	21.48	0.04	0.57	0.28
Combined Maximum	*3.41*	*15.97*	*40.23*	*0.09*	*1.30*	*0.58*
2032						
P2-119 Central Generation Rehabilitation	1.92	13.83	26.58	0.05	0.60	0.36
X-036 City Water Pump Station Rehabilitation	0.69	3.80	6.64	0.02	0.20	0.11
X-007 Waste Side-Stream Pump Station 2A Upgrade	1.19	7.42	14.02	0.03	0.43	0.31
X-037 Plant Water Pump Station and 12 kV Distribution Center A Demolition	1.86	9.64	17.77	0.04	0.63	0.34
Combined Maximum	*5.66*	*34.69*	*65.01*	*0.14*	*1.86*	*1.12*
2033						
P2-119 Central Generation Rehabilitation	0.21	1.81	3.72	0.01	0.10	0.06
Combined Maximum	*0.21*	*1.81*	*3.72*	*0.01*	*0.10*	*0.06*
2036						
X-014 Trickling Filter Solids-Contact Odor Control	1.20	7.12	17.63	0.04	0.34	0.16
X-052 Activated Sludge (AS) RAS/WAS/PEPS/Vaporizers Rehabilitation	0.65	5.21	11.32	0.02	0.24	0.11
X-030 Headworks Rehabilitation	0.51	2.10	5.03	0.01	0.14	0.06
Combined Maximum	*2.36*	*14.43*	*33.98*	*0.07*	*0.72*	*0.33*
2037						
X-052 Activated Sludge (AS) RAS/WAS/PEPS/Vaporizers Rehabilitation	1.05	6.99	15.10	0.03	0.30	0.14
X-030 Headworks Rehabilitation	1.15	7.45	16.30	0.03	0.31	0.15
X-031 Trickling Filter Solids-Contact Rehabilitation	2.21	11.90	27.96	0.06	0.56	0.27
Combined Maximum	*4.41*	*26.34*	*59.36*	*0.12*	*1.17*	*0.56*
2038						
X-030 Headworks Rehabilitation	1.15	7.45	16.30	0.03	0.31	0.15
X-031 Trickling Filter Solids-Contact Rehabilitation	1.79	11.90	26.28	0.05	0.48	0.24
Combined Maximum	*2.94*	*19.35*	*42.58*	*0.08*	*0.79*	*0.39*

Table 4.2-109. Plant 2 Estimated Maximum Daily Construction Emissions

Project	VOC	NO_x	CO	SO_x	PM_{10}[a]	$PM_{2.5}$[a]
	Pounds per day					
2039						
X-030 Headworks Rehabilitation	0.18	1.60	3.70	0.01	0.08	0.04
X-031 Trickling Filter Solids-Contact Rehabilitation	1.79	11.26	24.18	0.05	0.47	0.23
Combined Maximum	*1.97*	*12.86*	*27.88*	*0.06*	*0.55*	*0.27*
2040						
X-031 Trickling Filter Solids-Contact Rehabilitation	2.63	13.88	36.95	0.08	0.70	0.33
Combined Maximum	*2.63*	*13.88*	*36.95*	*0.08*	*0.70*	*0.33*
Maximum						
Maximum Daily Emissions	**41.49**	**93.30**	**106.55**	**0.19**	**8.08**	**5.79**

Notes: VOC = volatile organic compound; NO_x = oxides of nitrogen; CO = carbon monoxide; SO_x = sulfur oxides; PM_{10} = coarse particulate matter; $PM_{2.5}$ = fine particulate matter; kV = kilovolt; RAS = Return Activated Sludge; PEPS = Primary Effluent Pump Station. See Appendix D for detailed results.

[a] These estimates reflect control of fugitive dust (watering two times daily) required by South Coast Air Quality Management District Rule 403.

Table 4.2-1110. Joint Plant Projects Estimated Maximum Daily Construction Emissions

Project	VOC	NO_x	CO	SO_x	PM_{10}[a]	$PM_{2.5}$[a]
	Pounds per day					
2021						
J-98 Plantwide Miscellaneous Electrical Power Distribution System Improvements (Replacement)	1.48	13.07	15.21	0.03	0.83	0.72
Combined Maximum	*1.48*	*13.07*	*15.21*	*0.03*	*0.83*	*0.72*
2022						
J-98 Plantwide Miscellaneous Electrical Power Distribution System Improvements (Replacement)	1.37	12.09	15.14	0.03	0.75	0.63
Combined Maximum	*1.37*	*12.09*	*15.14*	*0.03*	*0.75*	*0.63*
2023						
J-98 Plantwide Miscellaneous Electrical Power Distribution System Improvements (Replacement)	1.27	11.15	15.09	0.03	0.67	0.56
Combined Maximum	*1.27*	*11.15*	*15.09*	*0.03*	*0.67*	*0.56*
2024						
J-98 Plantwide Miscellaneous Electrical Power Distribution System Improvements (Replacement)	1.18	10.46	15.04	0.03	0.60	0.49

Table 4.2-~~11~~10. Joint Plant Projects Estimated Maximum Daily Construction Emissions

Project	VOC	NO_x	CO	SO_x	PM_{10}[a]	$PM_{2.5}$[a]
	Pounds per day					
J-120 Plantwide Miscellaneous Process Control Systems Upgrades	1.18	10.46	15.04	0.03	0.60	0.49
J-133 Laboratory Rehabilitation at Plant 1	1.23	13.02	9.05	0.02	3.36	2.00
Combined Maximum	*3.59*	*33.94*	*39.13*	*0.08*	*4.56*	*2.98*
2025						
J-98 Plantwide Miscellaneous Electrical Power Distribution System Improvements (Replacement)	1.11	9.86	15.00	0.03	0.54	0.43
J-120 Plantwide Miscellaneous Process Control Systems Upgrades	1.11	9.86	15.00	0.03	0.54	0.43
J-133 Laboratory Rehabilitation at Plant 1	40.19	14.91	19.10	0.04	1.51	0.67
X-057 (Yard Structures), X-058 (Yard Piping), X-059 (Tunnels) Plantwide Miscellaneous Rehabilitation and Replacement	3.82	31.46	48.32	0.09	1.98	1.46
Combined Maximum	*46.23*	*66.09*	*97.42*	*0.19*	*4.57*	*2.99*
2026						
J-98 Plantwide Miscellaneous Electrical Power Distribution System Improvements (Replacement)	1.11	9.86	14.99	0.03	0.54	0.43
J-120 Plantwide Miscellaneous Process Control Systems Upgrades	1.11	9.86	14.99	0.03	0.54	0.43
X-057 (Yard Structures), X-058 (Yard Piping), X-059 (Tunnels) Plantwide Miscellaneous Rehabilitation and Replacement	2.34	18.58	28.31	0.05	1.10	0.85
Combined Maximum	*4.56*	*38.30*	*58.29*	*0.11*	*2.18*	*1.71*
2027						
J-120 Plantwide Miscellaneous Process Control Systems Upgrades	1.10	9.85	14.97	0.03	0.54	0.43
X-057 (Yard Structures), X-058 (Yard Piping), X-059 (Tunnels) Plantwide Miscellaneous Rehabilitation and Replacement	2.33	18.58	28.28	0.05	1.10	0.85
J-121 Plantwide Miscellaneous Process Control Systems Upgrades	0.56	5.06	7.57	0.01	0.31	0.22
Combined Maximum	*3.99*	*33.49*	*50.82*	*0.09*	*1.95*	*1.50*

Table 4.2-~~11~~10. Joint Plant Projects Estimated Maximum Daily Construction Emissions

Project	VOC	NO_x	CO	SO_x	PM_{10}[a]	$PM_{2.5}$[a]
	Pounds per day					
2028						
J-120 Plantwide Miscellaneous Process Control Systems Upgrades	1.10	9.85	14.96	0.03	0.54	0.43
X-057 (Yard Structures), X-058 (Yard Piping), X-059 (Tunnels) Plantwide Miscellaneous Rehabilitation and Replacement	2.33	18.57	28.25	0.05	1.10	0.85
J-121 Plantwide Miscellaneous Process Control System Upgrades	0.56	5.05	7.56	0.01	0.31	0.22
Combined Maximum	*3.99*	*33.47*	*50.77*	*0.09*	*1.95*	*1.50*
2029						
J-120 Plantwide Miscellaneous Process Control System Upgrades	1.10	9.84	14.94	0.03	0.54	0.43
X-057 (Yard Structures), X-058 (Yard Piping), X-059 (Tunnels) Plantwide Miscellaneous Rehabilitation and Replacement	2.33	18.57	28.22	0.05	1.10	0.85
Combined Maximum	*3.43*	*28.41*	*43.16*	*0.08*	*1.64*	*1.28*
2030						
X-057 (Yard Structures), X-058 (Yard Piping), X-059 (Tunnels) Plantwide Miscellaneous Rehabilitation and Replacement	1.77	14.19	28.02	0.05	0.66	0.41
Combined Maximum	*1.77*	*14.19*	*28.02*	*0.05*	*0.66*	*0.41*
2031						
X-057 (Yard Structures), X-058 (Yard Piping), X-059 (Tunnels) Plantwide Miscellaneous Rehabilitation and Replacement	1.77	14.19	27.99	0.05	0.66	0.41
Combined Maximum	*1.77*	*14.19*	*27.99*	*0.05*	*0.66*	*0.41*
2032						
X-057 (Yard Structures), X-058 (Yard Piping), X-059 (Tunnels) Plantwide Miscellaneous Rehabilitation and Replacement	0.41	3.61	7.40	0.01	0.16	0.10
Combined Maximum	*0.41*	*3.61*	*7.40*	*0.01*	*0.16*	*0.10*
2035						
X-044 Steve Anderson Lift Station Rehabilitation	0.83	5.02	10.42	0.02	0.27	0.12

Table 4.2-1110. Joint Plant Projects Estimated Maximum Daily Construction Emissions

Project	VOC	NO_x	CO	SO_x	PM_{10}[a]	$PM_{2.5}$[a]
	Pounds per day					
Combined Maximum	*0.83*	*5.02*	*10.42*	*0.02*	*0.27*	*0.12*
2036						
X-044 Steve Anderson Lift Station Rehabilitation	0.83	5.02	10.42	0.02	0.27	0.12
Combined Maximum	*0.83*	*5.02*	*10.42*	*0.02*	*0.27*	*0.12*
Maximum						
Maximum Daily Emissions	**46.23**	**66.09**	**97.42**	**0.19**	**4.57**	**2.99**

Notes: VOC = volatile organic compound; NO_x = oxides of nitrogen; CO = carbon monoxide; SO_x = sulfur oxides; PM_{10} = coarse particulate matter; $PM_{2.5}$ = fine particulate matter.
See Appendix D for detailed results.
[a] These estimates reflect control of fugitive dust (watering two times daily) required by South Coast Air Quality Management District Rule 403.

Table 4.2-1211. Collection System Projects Estimated Maximum Daily Construction Emissions

Project	VOC	NO_x	CO	SO_x	PM_{10}[a]	$PM_{2.5}$[a]
	Pounds per day					
2021						
7-66 Sunflower and Red Hill Interceptor Rehab/Repair	2.09	18.04	22.72	0.04	1.11	0.96
Combined Maximum	*2.09*	*18.04*	*22.72*	*0.04*	*1.11*	*0.96*
2022						
7-68 MacArthur Dual Force Main Improvements	1.95	10.92	25.45	0.05	1.46	0.84
5-68 Newport Beach Pump Station Odor Control Improvements	2.28	18.10	23.38	0.04	1.18	0.95
7-65 Gisler–Red Hill Interceptor Rehabilitation	2.10	18.04	22.69	0.04	1.11	0.96
7-67 Main Street P5 Force Main Rehabilitation	1.41	12.17	15.20	0.03	0.74	0.64
Combined Maximum	*7.74*	*59.23*	*86.72*	*0.16*	*4.49*	*3.39*
2023						
X-078 Air Jumper Additions and Rehabilitation (Two Air Jumpers Concurrently)	2.33	18.12	24.96	0.05	1.14	0.96
7-68 MacArthur Dual Force Main Improvements	1.95	10.92	25.45	0.05	1.46	0.84
5-68 Newport Beach Pump Station Odor Control Improvements	2.11	16.87	23.24	0.04	1.07	0.83
7-65 Gisler–Red Hill Interceptor Rehabilitation	0.33	2.73	3.83	0.01	0.20	0.15
7-67 Main Street P5 Force Main Rehabilitation	1.31	11.22	15.15	0.03	0.66	0.56

Table 4.2-~~12~~11. Collection System Projects Estimated Maximum Daily Construction Emissions

Project	VOC	NO_x	CO	SO_x	PM_{10}[a]	$PM_{2.5}$[a]
	Pounds per day					
X-076 Santa Ana Trunk Sewer Rehabilitation Phase II	1.95	16.67	22.64	0.04	0.99	0.84
Combined Maximum	*9.98*	*76.53*	*115.27*	*0.22*	*5.52*	*4.18*
2024						
X-078 Air Jumper Additions and Rehabilitation (Two Air Jumpers Concurrently)	2.33	18.12	24.96	0.05	1.14	0.96
2-73 Yorba Linda Pump Station Abandonment	1.86	17.72	16.82	0.03	1.02	0.79
X-060 Newhope Placentia Chemical Dosing Station	3.39	27.80	37.36	0.07	1.63	1.29
X-076 Santa Ana Trunk Sewer Rehabilitation Phase II	1.82	15.63	22.58	0.04	0.88	0.73
X-082 North Trunk Improvement Project	1.95	15.92	24.73	0.04	1.13	0.81
Combined Maximum	*11.35*	*95.19*	*126.45*	*0.23*	*5.80*	*4.58*
2025						
X-078 Air Jumper Additions and Rehabilitation (Two Air Jumpers Concurrently)	2.33	18.12	24.96	0.05	1.14	0.96
2-73 Yorba Linda Pump Station Abandonment	1.74	16.32	16.60	0.03	0.94	0.71
X-076 Santa Ana Trunk Sewer Rehabilitation Phase II	0.29	2.40	3.80	0.01	0.16	0.11
X-082 North Trunk Improvement Project	0.29	2.41	3.80	0.01	0.16	0.11
X-083 Greenville–Sullivan (Santa Ana) Sewer Upsize from 24 to 27 inch (14,460 feet)	1.88	14.76	24.67	0.04	1.04	0.71
Combined Maximum	*6.53*	*54.01*	*73.83*	*0.14*	*3.44*	*2.60*
2026						
X-078 Air Jumper Additions and Rehabilitation (Two Air Jumpers Concurrently)	2.33	18.12	24.96	0.05	1.14	0.96
11-33 Edinger Pumping Station Replacement	1.00	9.23	11.39	0.02	0.56	0.41
X-083 Greenville–Sullivan (Santa Ana) Sewer Upsize from 24 to 27 inch (14,460 feet)	0.84	6.09	10.05	0.02	0.44	0.31
Combined Maximum	*4.17*	*33.44*	*46.40*	*0.09*	*2.14*	*1.68*

Table 4.2-~~12~~11. Collection System Projects Estimated Maximum Daily Construction Emissions

Project	VOC	NO_x	CO	SO_x	PM_{10}[a]	$PM_{2.5}$[a]
	Pounds per day					
2027						
X-078 Air Jumper Additions and Rehabilitation (Two Air Jumpers Concurrently)	2.33	18.12	24.96	0.05	1.14	0.96
11-33 Edinger Pumping Station Replacement	2.01	16.78	25.93	0.05	0.97	0.74
X-026 College Avenue Force Main Rehabilitation	1.93	10.98	25.41	0.05	0.75	0.43
Combined Maximum	*6.27*	*45.88*	*76.30*	*0.15*	*2.86*	*2.13*
2028						
X-078 Air Jumper Additions and Rehabilitation (Two Air Jumpers Concurrently)	2.33	18.12	24.96	0.05	1.14	0.96
11-33 Edinger Pumping Station Replacement	2.00	16.78	25.90	0.05	0.97	0.74
X-026 College Avenue Force Main Rehabilitation	1.93	10.98	25.41	0.05	0.75	0.43
2-49 Taft Branch (City of Orange) Sewer Upsize	1.84	15.01	24.84	0.04	1.05	0.72
Combined Maximum	*8.10*	*60.89*	*101.11*	*0.19*	*3.91*	*2.85*
2029						
X-078 Air Jumper Additions and Rehabilitation (Two Air Jumpers Concurrently)	2.33	18.12	24.96	0.05	1.14	0.96
X-063 South Santa Ana River Interceptor Connector Rehabilitation	1.80	14.49	24.43	0.04	1.01	0.70
Combined Maximum	*4.13*	*32.61*	*49.39*	*0.09*	*2.15*	*1.66*
2030						
X-078 Air Jumper Additions and Rehabilitation (Two Air Jumpers Concurrently)	2.33	18.12	24.96	0.05	1.14	0.96
X-071 Edinger/Springdale Trunk Sewer Rehabilitation	1.96	7.42	25.43	0.05	1.04	0.61
Combined Maximum	*4.29*	*25.54*	*50.39*	*0.10*	*2.18*	*1.57*
2031						
X-078 Air Jumper Additions and Rehabilitation (Two Air Jumpers Concurrently)	2.33	18.12	24.96	0.05	1.14	0.96
X-071 Edinger/Springdale Trunk Sewer Rehabilitation	0.97	3.81	14.96	0.03	0.35	0.24
7-63 MacArthur Pump Station Rehabilitation	3.68	19.84	46.82	0.09	1.59	0.97
X-065 Tustin–Orange Interceptor Sewer at Reach 17 Rehabilitation	1.93	10.98	25.41	0.05	0.75	0.43

Table 4.2-~~12~~11. Collection System Projects Estimated Maximum Daily Construction Emissions

Project	VOC	NO_x	CO	SO_x	PM_{10}[a]	$PM_{2.5}$[a]
	Pounds per day					
X-023 Lido Pump Station Rehabilitation	1.41	12.17	15.20	0.03	0.74	0.64
11-34 Slater Avenue Pump Station Rehabilitation	1.41	12.17	15.20	0.03	0.74	0.64
7-64 Main Street Pump Station Rehabilitation	1.41	12.17	15.20	0.03	0.74	0.64
Combined Maximum	*13.14*	*89.26*	*157.75*	*0.31*	*6.05*	*4.52*
2032						
X-078 Air Jumper Additions and Rehabilitation (Two Air Jumpers Concurrently)	2.33	18.12	24.96	0.05	1.14	0.96
7-63 MacArthur Pump Station Rehabilitation	3.67	19.83	46.79	0.09	1.56	0.96
X-065 Tustin–Orange Interceptor Sewer at Reach 17 Rehabilitation	1.93	10.98	25.41	0.05	0.75	0.43
X-023 Lido Pump Station Rehabilitation	1.41	12.17	15.20	0.03	0.74	0.64
11-34 Slater Avenue Pump Station Rehabilitation	1.41	12.17	15.20	0.03	0.74	0.64
7-64 Main Street Pump Station Rehabilitation	1.41	12.17	15.20	0.03	0.74	0.64
Combined Maximum	*12.16*	*85.44*	*142.76*	*0.28*	*5.67*	*4.27*
2033						
X-078 Air Jumper Additions and Rehabilitation (Two Air Jumpers Concurrently)	2.33	18.12	24.96	0.05	1.14	0.96
3-67 Seal Beach Pump Station Replacement	1.91	5.33	23.88	0.04	0.54	0.32
X-084 Tustin Avenue Sewer Relief	1.93	10.98	25.41	0.05	0.75	0.43
11-34 Slater Avenue Pump Station Rehabilitation	1.41	12.17	15.20	0.03	0.74	0.64
7-64 Main Street Pump Station Rehabilitation	1.41	12.17	15.20	0.03	0.74	0.64
3-68 Los Alamitos Sub-Trunk Extension	2.63	31.03	34.18	0.18	3.78	1.17
Combined Maximum	*11.62*	*89.80*	*138.83*	*0.38*	*7.69*	*4.16*
2034						
3-67 Seal Beach Pump Station Replacement	0.01	0.00	0.09	0.00	0.07	0.02
X-066 Tustin–Orange Interceptor Sewer at Reach 18 Rehabilitation	1.94	10.98	25.39	0.05	0.74	0.43
X-086 Santa Ana River Sewer Relief	2.06	11.18	25.53	0.05	0.77	0.44
X-067 (X-085) Hoover–Western Sub-Trunks Sewer Rehabilitation	1.95	10.92	25.45	0.05	1.46	0.84

Table 4.2-~~12~~11. Collection System Projects Estimated Maximum Daily Construction Emissions

Project	VOC	NO_x	CO	SO_x	PM_{10}[a]	$PM_{2.5}$[a]
	Pounds per day					
Combined Maximum	*5.96*	*33.08*	*76.46*	*0.15*	*3.04*	*1.73*
2035						
X-086 Santa Ana River Sewer Relief	1.84	9.27	25.48	0.05	0.65	0.30
X-067 (X-085) Hoover–Western Sub-Trunks Sewer Rehabilitation	1.95	10.92	25.45	0.05	1.46	0.84
Combined Maximum	*3.79*	*20.19*	*50.93*	*0.10*	*2.11*	*1.14*
2036						
X-040 College Avenue Pump Station Replacement	0.78	6.32	13.88	0.03	0.25	0.13
X-061 Imperial Highway Relief Interceptor Rehabilitation	1.95	10.92	25.45	0.05	1.46	0.84
X-022 15th Street Pump Station Rehabilitation	1.41	12.17	15.20	0.03	0.74	0.64
X-041 A Street Pump Station Rehabilitation	1.41	12.17	15.20	0.03	0.74	0.64
X-024 Rocky Point Pump Station Rehabilitation	1.43	9.84	23.08	0.04	0.42	0.21
Combined Maximum	*6.98*	*51.42*	*92.81*	*0.18*	*3.61*	*2.46*
2037						
X-040 College Avenue Pump Station Replacement	1.43	9.84	23.08	0.04	0.42	0.21
X-061 Imperial Highway Relief Interceptor Rehabilitation	1.95	10.92	25.45	0.05	1.46	0.84
X-068 North Trunk Rehabilitation	1.93	10.98	25.41	0.05	0.75	0.43
X-022 15th Street Pump Station Rehabilitation	1.41	12.17	15.20	0.03	0.74	0.64
X-041 A Street Pump Station Rehabilitation	1.41	12.17	15.20	0.03	0.74	0.64
5-66 Crystal Cove Pumping Station Upgrade and Rehabilitation	1.41	12.17	15.20	0.03	0.74	0.64
X-024 Rocky Point Pump Station Rehabilitation	1.43	9.84	23.08	0.04	0.42	0.21
X-025 Bitter Point Pump Station Rehabilitation	1.43	9.84	23.08	0.04	0.42	0.21
Combined Maximum	*12.40*	*87.93*	*165.70*	*0.31*	*5.69*	*3.82*
2038						
5-66 Crystal Cove Pumping Station Upgrade and Rehabilitation	1.41	12.17	15.20	0.03	0.74	0.64
X-025 Bitter Point Pump Station Rehabilitation	1.43	9.84	23.08	0.04	0.42	0.21
Combined Maximum	*2.84*	*22.01*	*38.28*	*0.07*	*1.16*	*0.85*

Table 4.2-1211. Collection System Projects Estimated Maximum Daily Construction Emissions

Project	VOC	NO_x	CO	SO_x	PM_{10}[a]	$PM_{2.5}$[a]
	Pounds per day					
Maximum						
Maximum Daily Emissions	13.14	95.19	165.70	0.31	6.05	4.58

Notes: VOC = volatile organic compound; NO_x = oxides of nitrogen; CO = carbon monoxide; SO_x = sulfur oxides; PM_{10} = coarse particulate matter; $PM_{2.5}$ = fine particulate matter.
See Appendix D for detailed results.
[a] These estimates reflect control of fugitive dust (watering two times daily) required by South Coast Air Quality Management District Rule 403.

Table 4.2-1312. Annual Combined FMP Projects Estimated Maximum Daily Construction Emissions

Project	VOC	NO_x	CO	SO_x	PM_{10}[a]	$PM_{2.5}$[a]
	Pounds per day					
2021						
Plant 1	0.00	0.00	0.00	0.00	0.00	0.00
Plant 2	19.64	59.61	49.18	0.11	3.64	2.69
Joint Plant	1.48	13.07	15.21	0.03	0.83	0.72
Collection System	2.09	18.04	22.72	0.04	1.11	0.96
Combined Maximum	*23.21*	*90.72*	*87.11*	*0.18*	*5.58*	*4.37*
2022						
Plant 1	0.00	0.00	0.00	0.00	0.00	0.00
Plant 2	11.11	93.30	84.68	0.19	8.08	5.79
Joint Plant	1.37	12.09	15.14	0.03	0.75	0.63
Collection System	7.74	59.23	86.72	0.16	4.49	3.39
Combined Maximum	*20.22*	*164.62*	*186.54*	*0.38*	*13.32*	*9.81*
2023						
Plant 1	2.63	23.18	29.20	0.06	1.92	1.33
Plant 2	41.49	62.97	83.02	0.15	5.30	3.48
Joint Plant	1.27	11.15	15.09	0.03	0.67	0.56
Collection System	9.98	76.53	115.27	0.22	5.52	4.18
Combined Maximum	*55.37*	*173.83*	*242.58*	*0.46*	*13.41*	*9.55*
2024						
Plant 1	3.81	32.93	45.47	0.08	3.30	2.02
Plant 2	9.00	75.30	106.55	0.19	4.85	3.53
Joint Plant	3.59	33.94	39.13	0.08	4.56	2.98
Collection System	11.35	95.19	126.45	0.23	5.80	4.58
Combined Maximum	*27.75*	*237.36*	*317.60*	*0.58*	*18.51*	*13.11*
2025						
Plant 1	4.38	38.47	49.14	0.10	2.68	1.73
Plant 2	5.74	48.16	71.67	0.13	3.13	2.17
Joint Plant	46.23	66.09	97.42	0.19	4.57	2.99
Collection System	6.53	54.01	73.83	0.14	3.44	2.60
Combined Maximum	*62.88*	*206.73*	*292.06*	*0.56*	*13.82*	*9.49*
2026						
Plant 1	8.28	40.72	52.34	0.10	2.75	1.80
Plant 2	3.87	32.74	45.42	0.08	1.96	1.39

Table 4.2-~~13~~12. Annual Combined FMP Projects Estimated Maximum Daily Construction Emissions

Project	VOC	NO_x	CO	SO_x	PM_{10}[a]	$PM_{2.5}$[a]
	Pounds per day					
Joint Plant	4.56	38.30	58.29	0.11	2.18	1.71
Collection System	4.17	33.44	46.40	0.09	2.14	1.68
Combined Maximum	*20.88*	*145.20*	*202.45*	*0.38*	*9.03*	*6.58*
2027						
Plant 1	4.64	41.22	55.99	0.10	2.51	1.79
Plant 2	4.25	35.70	53.75	0.10	2.21	1.55
Joint Plant	3.99	33.49	50.82	0.09	1.95	1.50
Collection System	6.27	45.88	76.30	0.15	2.86	2.13
Combined Maximum	*19.15*	*156.29*	*236.86*	*0.44*	*9.53*	*6.97*
2028						
Plant 1	3.59	29.53	41.60	0.08	1.74	1.29
Plant 2	0.28	2.40	3.78	0.01	0.16	0.11
Joint Plant	3.99	33.47	50.77	0.09	1.95	1.50
Collection System	8.10	60.89	101.11	0.19	3.91	2.85
Combined Maximum	*15.96*	*126.29*	*197.26*	*0.37*	*7.76*	*5.75*
2029						
Plant 1	3.73	31.87	42.75	0.09	1.90	1.38
Plant 2	0.00	0.00	0.00	0.00	0.00	0.00
Joint Plant	3.43	28.41	43.16	0.08	1.64	1.28
Collection System	4.13	32.61	49.39	0.09	2.15	1.66
Combined Maximum	*11.29*	*92.89*	*135.30*	*0.26*	*5.69*	*4.32*
2030						
Plant 1	1.08	8.96	16.19	0.04	0.46	0.28
Plant 2	0.00	0.00	0.00	0.00	0.00	0.00
Joint Plant	1.77	14.19	28.02	0.05	0.66	0.41
Collection System	4.29	25.54	50.39	0.10	2.18	1.57
Combined Maximum	*7.14*	*48.69*	*94.60*	*0.19*	*3.30*	*2.26*
2031						
Plant 1	3.20	19.63	39.58	0.09	1.04	0.58
Plant 2	3.41	15.97	40.23	0.09	1.30	0.58
Joint Plant	1.77	14.19	27.99	0.05	0.66	0.41
Collection System	13.14	89.26	157.75	0.31	6.05	4.52
Combined Maximum	*21.52*	*139.05*	*265.55*	*0.54*	*9.05*	*6.09*
2032						
Plant 1	6.14	39.53	78.47	0.17	2.44	1.18
Plant 2	5.66	34.69	65.01	0.14	1.86	1.12
Joint Plant	0.41	3.61	7.4	0.01	0.16	0.1
Collection System	12.16	85.44	142.76	0.28	5.67	4.27
Combined Maximum	*24.37*	*163.27*	*293.64*	*0.60*	*10.13*	*6.67*
2033						
Plant 1	2.00	15.24	30.03	0.06	0.75	0.44
Plant 2	0.21	1.81	3.72	0.01	0.10	0.06
Joint Plant	0.00	0.00	0.00	0.00	0.00	0.00
Collection System	11.62	89.80	138.83	0.38	7.69	4.16

Table 4.2-~~13~~12. Annual Combined FMP Projects Estimated Maximum Daily Construction Emissions

Project	VOC	NO_x	CO	SO_x	PM_{10}[a]	$PM_{2.5}$[a]
	Pounds per day					
Combined Maximum	*13.83*	*106.85*	*172.58*	*0.45*	*8.54*	*4.66*
2034						
Plant 1	3.09	20.29	43.34	0.09	1.04	0.58
Plant 2	0.00	0.00	0.00	0.00	0.00	0.00
Joint Plant	0.00	0.00	0.00	0.00	0.00	0.00
Collection System	5.96	33.08	76.46	0.15	3.04	1.73
Combined Maximum	*9.05*	*53.37*	*119.80*	*0.24*	*4.08*	*2.31*
2035						
Plant 1	2.64	18.75	42.31	0.09	0.79	0.41
Plant 2	0.00	0.00	0.00	0.00	0.00	0.00
Joint Plant	0.83	5.02	10.42	0.02	0.27	0.12
Collection System	3.79	20.19	50.93	0.10	2.11	1.14
Combined Maximum	*7.26*	*43.96*	*103.66*	*0.21*	*3.17*	*1.67*
2036						
Plant 1	4.53	28.15	63.46	0.15	1.27	0.65
Plant 2	2.36	14.43	33.98	0.07	0.72	0.33
Joint Plant	0.83	5.02	10.42	0.02	0.27	0.12
Collection System	6.98	51.42	92.81	0.18	3.61	2.46
Combined Maximum	*14.70*	*99.02*	*200.67*	*0.42*	*5.87*	*3.56*
2037						
Plant 1	2.46	15.52	35.63	0.08	0.75	0.38
Plant 2	4.41	26.34	59.36	0.12	1.17	0.56
Joint Plant	0.00	0.00	0.00	0.00	0.00	0.00
Collection System	12.40	87.93	165.70	0.31	5.69	3.82
Combined Maximum	*19.27*	*129.79*	*260.69*	*0.51*	*7.61*	*4.76*
2038						
Plant 1	0.94	6.11	12.96	0.02	0.37	0.15
Plant 2	2.94	19.35	42.58	0.08	0.79	0.39
Joint Plant	0.00	0.00	0.00	0.00	0.00	0.00
Collection System	2.84	22.01	38.28	0.07	1.16	0.85
Combined Maximum	*6.72*	*47.47*	*93.82*	*0.17*	*2.32*	*1.39*
2039						
Plant 1	0.94	5.44	10.76	0.02	0.37	0.14
Plant 2	1.97	12.86	27.88	0.06	0.55	0.27
Joint Plant	0.00	0.00	0.00	0.00	0.00	0.00
Collection System	0.00	0.00	0.00	0.00	0.00	0.00
Combined Maximum	*2.91*	*18.30*	*38.64*	*0.08*	*0.92*	*0.41*
2040						
Plant 1	0.00	0.00	0.00	0.00	0.00	0.00
Plant 2	2.63	13.88	36.95	0.08	0.70	0.33
Joint Plant	0.00	0.00	0.00	0.00	0.00	0.00
Collection System	0.00	0.00	0.00	0.00	0.00	0.00
Combined Maximum	*2.63*	*13.88*	*36.95*	*0.08*	*0.70*	*0.33*

Table 4.2-1312. Annual Combined FMP Projects Estimated Maximum Daily Construction Emissions

Project	VOC	NO_x	CO	SO_x	PM_{10}[a]	$PM_{2.5}$[a]
	Pounds per day					
Maximum						
Maximum Daily Emissions	62.88	237.36	317.60	0.60	18.51	13.11
SCAQMD Threshold	*75*	*100*	*550*	*150*	*150*	*55*
Threshold exceeded?	No	Yes	No	No	No	No

Notes: VOC = volatile organic compound; NO_x = oxides of nitrogen; CO = carbon monoxide; SO_x = sulfur oxides; PM_{10} = coarse particulate matter; $PM_{2.5}$ = fine particulate matter.
See Appendix D for detailed results.
[a] These estimates reflect control of fugitive dust (watering two times daily) required by South Coast Air Quality Management District Rule 403.

As shown in Table 4.2-1312, the proposed project would exceed the SCAQMD construction NO_x threshold of 100 pounds per day in 11 of the 20 years of project construction; project-generated emissions of VOCs, CO, SO_x, PM_{10}, and $PM_{2.5}$ would not exceed the relevant SCAQMD construction thresholds in any year. Therefore, because the proposed project would exceed the SCAQMD construction NO_x thresholds, associated air quality impacts would be potentially significant and **MM-AQ-1** is required. The evaluation of potential impacts after implementation of **MM-AQ-1** is addressed following the summary below.

Operation

For typical land use development projects, typical criteria air pollutant emissions that may be generated are associated with area sources (e.g., landscape maintenance equipment, consumer products, and reapplication of architectural coating), energy (e.g., natural gas), mobile sources (e.g., vehicles), and potentially stationary sources. The FMP projects would rehabilitate, replace, or abandon existing facilities that are currently subject to ongoing operations and maintenance activity. Accordingly, the projects addressed in this PEIR do not propose appreciable changes to regular operations and maintenance activity by Sanitation District personnel. Accordingly, operation of the FMP projects is not anticipated to generate an increase in criteria air pollutant emissions from area, energy, mobile, or potential stationary sources, with the exception of the new permanent Seal Beach pump station emergency generator, as further described below.

Plant 1 includes various replacement and rehabilitation projects, with only one project (X-090) including construction of a structure. Project X-090, Network, Telecommunications, and Server Relocation at Plant 1, includes proposed construction of an approximately 200-square-foot utility building to house Sanitation District network, telecommunications, and servers, which would not result in typical building criteria air pollutant emissions, such as natural gas and area sources.

Similar to Plant 1, Plant 2 includes various replacement and rehabilitation projects, with only projects P2-126 and P2-138 including structural replacements. For project P2-126, Substation and Warehouse Replacement at Plant 2, the existing 21,000-square-foot warehouse would be demolished and constructed in a new location, which is anticipated to be larger (approximately 30,100 square feet) as some outdoor storage may be moved to indoor storage. While the new warehouse would be larger in size, it is not anticipated to generate substantially greater natural gas and area source emissions and is anticipated to have increased energy efficiency compared to the existing building. Project P2-126 also proposes replacement of a Southern California Edison substation and replacement of a service center (approximately 3,100 square feet), both of which are anticipated to be approximately the same size as the existing structures and would not result in a net increase in operational criteria air pollutant emissions at these

structures because they will primarily house electrical systems and equipment. Project P2-138, Operations and Maintenance Complex at Plant 2, would demolish the existing building and guard shack (totaling 36,680 square feet) and construct a new building (35,700 square feet) and new guard shack (200 square feet). Overall, the new structures would be slightly less square footage than the existing structures, would have increased building energy efficiency compared to the existing buildings, and no measurable change in area source emissions are anticipated; therefore, this project would not result in an increase in criteria air pollutant emissions.

The joint plant projects primarily consist of improvements to plant-wide electrical and control systems; however, project J-133 would result in a potentially new structure. For project J-133, Laboratory Rehabilitation or Replacement at Plant 1, the existing 40,000-square-foot laboratory building located at Plant 1 would be rehabilitated or replaced; however, for modeling purposes, it was assumed to be replaced by a new 40,000-square-foot laboratory building. The replacement project J-133 building would be the same size, but since it would be built consistent with current building codes, such as the 2019 Title 24 building energy efficiency standards, it is anticipated be more energy efficient than the existing building. Regarding laboratory equipment and activities, the wastewater testing is exempt from permitting per SCAQMD Rule 219, Equipment Not Requiring a Written Permit Pursuant to Regulation II,[10] and no change in activities from the existing laboratory are anticipated. Equipment layout and future operation at the laboratory will continue to follow existing and future regulatory requirements for wastewater testing.

For the collection system projects, which primarily consist of replacement or rehabilitation of pipelines and pump stations, once the replacement or rehabilitation is complete, no routine operational activity or associated criteria air pollutant emissions would occur. Project X-060, Newhope Placentia Chemical Dosing Station, includes removal of an existing pump station and construction of a new chemical dosing station at the abandoned pump station site. The chemical dosing station is anticipated to be small (less than 100 square feet) and would not generate criteria air pollutant emissions typical of building operation since it will primarily house chemicals.

As previously mentioned, no projects under the FMP are anticipated to require additional Sanitation District personnel. To the extent feasible, replacement and rehabilitation projects would assist in improving energy efficiency, which would reduce energy-related (natural gas) criteria air pollutant emissions. Therefore, implementation of the proposed FMP is not anticipated to generate an increase in operational criteria air pollutant emissions compared to existing conditions and may result in reduced energy-related criteria air pollutant emissions with the exception of the Seal Beach pump station emergency generator.

As noted under Section 4.2.3.2, Approach and Methodology, the existing temporary diesel-fueled emergency generator at the Seal Beach pump station (3-67) would be replaced with a permanent diesel-fueled emergency generator. Estimated criteria air pollutant emissions from testing and maintenance for the permanent diesel-fueled emergency generator are presented in Table 4.2-14. Note that the existing temporary emergency generator testing emissions that the permanent emergency generator would replace are conservatively not accounted for.

[10] Per SCAQMD Rule 219(c)(6), "written permits are not required for": Laboratory testing and quality control testing equipment used exclusively for chemical and physical analysis, non-production bench scale research equipment, and control equipment exclusively venting such equipment. Laboratory testing equipment does not include engine test stands or test cells unless such equipment is also exempt pursuant to paragraph (b)(4).

Table 4.2-14. Estimated Maximum Daily Operational Emissions

Emission Source	VOC	NO_x	CO	SO_x	PM_{10}	$PM_{2.5}$
	Pounds per day					
3-67 Emergency generator testing (stationary)	0.28	15.08	2.10	0.02	0.16	0.16
Maximum Daily Emissions	**0.28**	**15.08**	**2.10**	**0.02**	**0.16**	**0.16**
SCAQMD Threshold	*55*	*55*	*550*	*150*	*150*	*55*
Threshold exceeded?	**No**	**No**	**No**	**No**	**No**	**No**

Notes: VOC = volatile organic compound; NO_x = oxides of nitrogen; CO = carbon monoxide; SO_x = sulfur oxides; PM_{10} = coarse particulate matter; $PM_{2.5}$ = fine particulate matter; SCAQMD = South Coast Air Quality Management District.
See Appendix D for detailed results.

As shown in Table 4.2-14, maximum daily operational emissions from emergency generator testing would not exceed SCAQMD mass daily operational thresholds for all pollutants presented.

Summary

As discussed under "Construction" and shown in Table 4.2-13~~12~~, maximum daily project-generated construction emissions would exceed the SCAQMD construction NO_x threshold. The FMP operational emissions from the Seal Beach pump station emergency generator testing would not exceed the SCAQMD mass daily ~~result in a net increase in~~ operational criteria air pollutant emissions thresholds. Therefore, criteria air pollutant emissions impacts would be potentially significant during construction and **MM-AQ-1** would be required; operational impacts would be less than significant without mitigation.

MM-AQ-1 would be implemented to reduce maximum daily NO_x emissions generated during proposed project construction. Estimated mitigated mass daily construction emissions including implementation of **MM-AQ-1** are presented for Plant 1, Plant 2, joint plant projects, collection system projects, and the entire FMP in Tables 4.2-15~~13~~, 4.2-16~~14~~, 4.2-17~~15~~, 4.2-18~~16~~, and 4.2-19~~17~~, respectively.[11]

Table 4.2-15~~13~~. Plant 1 Estimated Maximum Daily Construction Emissions – Mitigated

Project	VOC	NO_x	CO	SO_x	PM_{10}[a]	$PM_{2.5}$[a]
	Pounds per day					
2023						
P1-135 Digester Ferric Piping Replacement	0.88	4.12	31.66	0.06	0.59	0.22
Combined Maximum	*0.88*	*4.12*	*31.66*	*0.06*	*0.59*	*0.22*
2024						
P1-126 Primary Clarifiers Replacements and Improvements	1.13	5.54	42.52	0.07	1.07	0.31

[11] Table 4.2-19, Annual Combined FMP Projects Estimated Maximum Daily Construction Emissions – Mitigated~~Table 4.2-17, Combined Projects Estimated Maximum Daily Construction Emissions – Mitigated~~, provides the mitigated analysis (implementation of **MM-AQ-1** to reduce project-generated NO_x emissions during construction) to address the potential for the project to (a) conflict with or obstruct implementation of the applicable air quality plan, (b) result in a cumulatively considerable net increase of any criteria pollutant for which the project region is nonattainment under an applicable federal or state ambient air quality standard, and (c) expose sensitive receptors to substantial concentrations of pollutants (health effects of criteria air pollutants).

Table 4.2-1513. Plant 1 Estimated Maximum Daily Construction Emissions – Mitigated

Project	VOC	NO_x	CO	SO_x	PM_{10}[a]	$PM_{2.5}$[a]
	Pounds per day					
X-090 Network, Telecommunications, and Service Relocation at Plant 1	0.42	0.76	8.14	0.01	0.48	0.24
Combined Maximum	*1.55*	*6.30*	*50.66*	*0.08*	*1.55*	*0.55*
2025						
P1-126 Primary Clarifiers Replacements and Improvements	1.09	5.46	29.32	0.05	0.52	0.26
X-093 Administrative Facilities and Power Building 3A Demolition	0.42	2.04	18.33	0.03	0.71	0.18
X-077 Switchgear Replacement at Central Generation	0.19	0.93	8.25	0.02	0.14	0.05
Combined Maximum	*1.70*	*8.43*	*55.90*	*0.10*	*1.37*	*0.49*
2026						
P1-126 Primary Clarifiers Replacements and Improvements	1.09	5.45	29.28	0.05	0.52	0.26
X-093 Administrative Facilities and Power Building 3A Demolition	4.69	2.02	18.32	0.03	0.67	0.17
X-092 Standby Generator Feeders for Plant 1 Secondary Systems	0.48	3.19	12.27	0.02	0.24	0.11
Combined Maximum	*6.26*	*10.66*	*59.87*	*0.10*	*1.43*	*0.54*
2027						
P1-126 Primary Clarifiers Replacements and Improvements	0.98	4.88	29.29	0.05	0.53	0.24
X-092 Standby Generator Feeders for Plant 1 Secondary Systems	0.48	3.19	12.25	0.02	0.24	0.11
X-048 Activated Sludge (AS)-1 Aeration Basin and Blower Rehabilitation	0.44	1.76	21.04	0.03	0.33	0.12
Combined Maximum	*1.90*	*9.83*	*62.58*	*0.10*	*1.10*	*0.47*
2028						
P1-126 Primary Clarifiers Replacements and Improvements	0.25	1.05	13.27	0.02	0.18	0.07
X-048 Activated Sludge (AS)-1 Aeration Basin and Blower Rehabilitation	1.07	6.76	31.79	0.06	0.58	0.26
Combined Maximum	*1.32*	*7.81*	*45.06*	*0.08*	*0.76*	*0.33*
2029						
X-048 Activated Sludge (AS)-1 Aeration Basin and Blower Rehabilitation	0.16	0.71	8.33	0.02	0.14	0.05

Table 4.2-~~15~~13. Plant 1 Estimated Maximum Daily Construction Emissions – Mitigated

Project	VOC	NO_x	CO	SO_x	PM_{10}[a]	$PM_{2.5}$[a]
	Pounds per day					
X-017 Primary Clarifiers 6-37	0.28	3.33	9.04	0.02	0.20	0.08
Combined Maximum	*0.44*	*4.04*	*17.37*	*0.04*	*0.34*	*0.13*
2030						
X-048 Activated Sludge (AS)-1 Aeration Basin and Blower Rehabilitation	0.16	0.70	8.32	0.02	0.14	0.05
X-017 Primary Clarifiers 6-37	0.28	1.44	8.95	0.02	0.17	0.08
Combined Maximum	*0.44*	*2.14*	*17.27*	*0.04*	*0.31*	*0.13*
2031						
X-048 Activated Sludge (AS)-1 Aeration Basin and Blower Rehabilitation	0.01	0.01	0.09	0.00	0.07	0.02
X-017 Primary Clarifiers 6-37	0.90	6.98	28.71	0.05	0.44	0.18
P1-127 Central Generation Rehabilitation	0.00	0.00	9.25	0.02	0.08	0.01
X-038 City Water Pump Station Rehabilitation	0.34	2.74	8.02	0.02	0.16	0.07
Combined Maximum	*1.25*	*9.73*	*46.07*	*0.09*	*0.75*	*0.28*
2032						
X-017 Primary Clarifiers 6-37	0.90	6.98	28.69	0.05	0.44	0.18
P1-127 Central Generation Rehabilitation	0.91	8.48	26.06	0.05	0.47	0.25
X-038 City Water Pump Station Rehabilitation	0.34	2.74	8.02	0.02	0.16	0.07
X-049 Activated Sludge (AS)-1 Clarifier and RAS Pump Station Rehabilitation	0.34	2.74	11.75	0.02	0.16	0.07
X-043 DAFT Demolition	0.40	2.18	13.52	0.03	0.46	0.13
Combined Maximum	*2.89*	*23.12*	*88.04*	*0.17*	*1.69*	*0.70*
2033						
X-017 Primary Clarifiers 6-37	0.01	0.01	0.09	0.00	0.07	0.02
P1-127 Central Generation Rehabilitation	0.21	1.81	3.72	0.01	0.10	0.06
X-049 Activated Sludge (AS)-1 Clarifier and RAS Pump Station Rehabilitation	1.14	10.27	28.13	0.05	0.52	0.29
Combined Maximum	*1.36*	*12.09*	*31.94*	*0.06*	*0.69*	*0.37*
2034						
X-049 Activated Sludge (AS)-1 Clarifier and RAS Pump Station Rehabilitation	1.13	10.26	28.11	0.05	0.52	0.29
X-015 Trickling Filters Rehabilitation	0.82	6.87	18.97	0.04	0.35	0.21
Combined Maximum	*1.95*	*17.13*	*47.08*	*0.09*	*0.87*	*0.50*

Table 4.2-~~15~~13. Plant 1 Estimated Maximum Daily Construction Emissions – Mitigated

Project	VOC	NO_x	CO	SO_x	PM_{10}[a]	$PM_{2.5}$[a]
	Pounds per day					
2035						
X-015 Trickling Filters Rehabilitation	0.74	6.18	19.10	0.04	0.30	0.15
X-006 Waste Side-Stream Pump Station 1 Upgrade	1.41	11.41	25.15	0.05	0.45	0.23
Combined Maximum	*2.15*	*17.59*	*44.25*	*0.09*	*0.75*	*0.38*
2036						
X-015 Trickling Filters Rehabilitation	0.65	4.88	19.10	0.04	0.30	0.15
X-006 Waste Side-Stream Pump Station 1 Upgrade	0.42	4.55	19.53	0.04	0.27	0.11
X-039 Plant Water Pump Station Rehabilitation	0.32	2.69	7.98	0.02	0.15	0.06
X-079 Primary Scrubber Rehabilitation	0.63	3.89	25.10	0.05	0.41	0.14
Combined Maximum	*2.02*	*16.01*	*71.71*	*0.15*	*1.13*	*0.46*
2037						
X-039 Plant Water Pump Station Rehabilitation	0.08	0.29	4.14	0.01	0.08	0.03
X-079 Primary Scrubber Rehabilitation	0.55	3.60	20.96	0.04	0.29	0.12
X-018 Activated Sludge (AS) 2 Rehabilitation	0.80	6.11	15.46	0.03	0.31	0.15
Combined Maximum	*1.43*	*10.00*	*40.56*	*0.08*	*0.68*	*0.30*
2038						
X-018 Activated Sludge (AS) 2 Rehabilitation	0.80	6.11	12.97	0.02	0.34	0.15
Combined Maximum	*0.80*	*6.11*	*12.97*	*0.02*	*0.34*	*0.15*
2039						
X-018 Activated Sludge (AS) 2 Rehabilitation	0.28	2.75	12.47	0.02	0.34	0.12
Combined Maximum	*0.28*	*2.75*	*12.47*	*0.02*	*0.34*	*0.12*
Maximum						
Maximum Daily Emissions	**6.26**	**23.12**	**88.04**	**0.17**	**1.69**	**0.70**

Notes: VOC = volatile organic compound; NO_x = oxides of nitrogen; CO = carbon monoxide; SO_x = sulfur oxides; PM_{10} = coarse particulate matter; $PM_{2.5}$ = fine particulate matter; DAFT = dissolved air flotation thickeners; RAS = return activated sludge.
See Appendix D for detailed results.
Emissions shown represent the maximum emissions during summer or winter as estimated in CalEEMod.
Estimated emissions include Tier 4 Final equipment for all equipment over 50 horsepower (**MM-AQ-1**). When applying the engine tier mitigation in CalEEMod, CalEEMod assumes the diesel engine emission standards set for that selected tier and engine power class for CO, non-methane hydrocarbons (VOCs), NO_x and PM. The CO standard for Tier 4 Final is higher than what is typically observed when using non-tiered equipment, resulting in higher estimated mitigated CO emissions than unmitigated emissions in some years.

[a] These estimates reflect control of fugitive dust (watering two times daily) required by South Coast Air Quality Management District Rule 403.

Table 4.2-1614. Plant 2 Estimated Maximum Daily Construction Emissions – Mitigated

Project	VOC	NO_x	CO	SO_x	PM_{10}[a]	$PM_{2.5}$[a]
	Pounds per day					
2021						
P2-138 Operations and Maintenance Complex at Plant 2	18.26	10.58	56.09	0.11	2.91	1.56
Combined Maximum	*18.26*	*10.58*	*56.09*	*0.11*	*2.91*	*1.56*
2022						
P2-138 Operations and Maintenance Complex at Plant 2	1.43	6.11	56.02	0.11	0.72	0.31
P2-126 Substation and Warehouse Replacement at Plant 2	1.11	8.48	48.75	0.08	3.43	1.77
Combined Maximum	*2.54*	*14.59*	*104.77*	*0.19*	*4.15*	*2.08*
2023						
P2-126 Substation and Warehouse Replacement at Plant 2	36.68	15.07	91.32	0.15	3.56	1.82
Combined Maximum	*36.68*	*15.07*	*91.32*	*0.15*	*3.56*	*1.82*
2024						
P2-126 Substation and Warehouse Replacement at Plant 2	3.64	15.04	91.17	0.15	1.38	0.52
X-050 Activated Sludge (AS) Aeration Basin	0.57	3.14	25.77	0.04	0.59	0.20
Combined Maximum	*4.21*	*18.18*	*116.94*	*0.19*	*1.97*	*0.72*
2025						
P2-126 Substation and Warehouse Replacement at Plant 2	1.20	8.19	53.81	0.09	0.83	0.31
X-050 Activated Sludge (AS) Aeration Basin	0.57	3.20	25.73	0.04	0.59	0.20
Combined Maximum	*1.77*	*11.39*	*79.54*	*0.13*	*1.42*	*0.51*
2026						
X-050 Activated Sludge (AS) Aeration Basin	0.48	3.19	12.27	0.02	0.24	0.11
X-032 Truck Loading Facility Rehabilitation	0.60	1.42	17.66	0.03	0.30	0.10
X-054 Waste Side-Stream Pump C Rehabilitation	0.61	3.68	20.92	0.03	0.32	0.15
Combined Maximum	*1.69*	*8.29*	*50.85*	*0.08*	*0.86*	*0.36*
2027						
X-050 Activated Sludge (AS) Aeration Basin	0.08	0.29	4.18	0.01	0.08	0.03
X-032 Truck Loading Facility Rehabilitation	0.60	4.80	17.63	0.03	0.30	0.21

Table 4.2-1614. Plant 2 Estimated Maximum Daily Construction Emissions – Mitigated

Project	VOC	NO_x	CO	SO_x	PM_{10}[a]	$PM_{2.5}$[a]
	Pounds per day					
X-054 Waste Side-Stream Pump C Rehabilitation	0.61	3.67	20.92	0.03	0.32	0.15
X-034 Sodium Bisulfite Station Replacement and Bleach Station Demolition	0.54	3.38	16.80	0.03	0.29	0.13
Combined Maximum	*1.83*	*12.14*	*59.53*	*0.10*	*0.99*	*0.52*
2028						
X-034 Sodium Bisulfite Station Replacement and Bleach Station Demolition	0.08	0.29	4.17	0.01	0.08	0.03
Combined Maximum	*0.08*	*0.29*	*4.17*	*0.01*	*0.08*	*0.03*
2031						
P2-119 Central Generation Rehabilitation	0.28	1.53	12.84	0.03	0.46	0.12
X-036 City Water Pump Station Rehabilitation	0.32	2.21	9.32	0.02	0.16	0.08
X-007 Waste Side-stream Pump Station 2A Upgrade	0.58	3.47	23.56	0.05	1.26	0.29
Combined Maximum	*1.18*	*7.21*	*45.72*	*0.10*	*1.88*	*0.49*
2032						
P2-119 Central Generation Rehabilitation	0.89	6.20	29.74	0.05	0.42	0.18
X-036 City Water Pump Station Rehabilitation	0.21	1.81	8.51	0.02	0.12	0.06
X-007 Waste Side-stream Pump Station 2A Upgrade	0.74	3.46	16.97	0.03	0.25	0.13
X-037 Plant Water Pump Station and 12 kV Distribution Center A Demolition	0.40	2.72	21.61	0.04	0.39	0.11
Combined Maximum	*2.24*	*14.19*	*76.83*	*0.14*	*1.18*	*0.48*
2033						
P2-119 Central Generation Rehabilitation	0.08	0.29	4.15	0.01	0.08	0.03
Combined Maximum	*0.08*	*0.29*	*4.15*	*0.01*	*0.08*	*0.03*
2036						
X-014 Trickling Filter Solids-Contact Odor Control	0.54	3.78	20.21	0.04	0.29	0.12
X-052 Activated Sludge (AS) RAS/WAS/PEPS/Vaporizers Rehabilitation	0.56	4.30	11.73	0.02	0.23	0.11
X-030 Headworks Rehabilitation	0.15	0.68	6.26	0.01	0.12	0.04
Combined Maximum	*1.25*	*8.76*	*38.20*	*0.07*	*0.64*	*0.27*
2037						
X-052 Activated Sludge (AS) RAS/WAS/PEPS/Vaporizers Rehabilitation	0.62	4.52	16.18	0.03	0.27	0.12

Table 4.2-1614. Plant 2 Estimated Maximum Daily Construction Emissions – Mitigated

Project	VOC	NO_x	CO	SO_x	PM_{10}[a]	$PM_{2.5}$[a]
	Pounds per day					
X-030 Headworks Rehabilitation	0.51	3.43	18.55	0.03	0.26	0.11
X-031 Trickling Filter Solids-Contact Rehabilitation	0.67	4.53	31.08	0.06	0.47	0.18
Combined Maximum	*1.80*	*12.48*	*65.81*	*0.12*	*1.00*	*0.41*
2038						
X-030 Headworks Rehabilitation	0.51	3.43	18.55	0.03	0.26	0.11
X-031 Trickling Filter Solids-Contact Rehabilitation	0.85	6.13	28.76	0.05	0.42	0.18
Combined Maximum	*1.36*	*9.56*	*47.31*	*0.08*	*0.68*	*0.29*
2039						
X-030 Headworks Rehabilitation	0.08	0.29	4.14	0.01	0.08	0.03
X-031 Trickling Filter Solids-Contact Rehabilitation	0.85	6.13	28.20	0.05	0.40	0.16
Combined Maximum	*0.93*	*6.42*	*32.34*	*0.06*	*0.48*	*0.19*
2040						
X-031 Trickling Filter Solids-Contact Rehabilitation	1.15	7.17	42.09	0.08	0.60	0.23
Combined Maximum	*1.15*	*7.17*	*42.09*	*0.08*	*0.60*	*0.23*
Maximum						
Maximum Daily Emissions	**36.68**	**18.18**	**116.94**	**0.19**	**4.15**	**2.08**

Notes: VOC = volatile organic compound; NO_x = oxides of nitrogen; CO = carbon monoxide; SO_x = sulfur oxides; PM_{10} = coarse particulate matter; $PM_{2.5}$ = fine particulate matter; RAS = Return Activated Sludge; PEPS = Primary Effluent Pump Station.
See Appendix D for detailed results.
Emissions shown represent the maximum emissions during summer or winter as estimated in CalEEMod.
Estimated emissions include Tier 4 Final equipment for all equipment over 50 horsepower (MM-AQ-1). When applying the engine tier mitigation in CalEEMod, CalEEMod assumes the diesel engine emission standards set for that selected tier and engine power class for CO, non-methane hydrocarbons (VOCs), NO_x and PM. The CO standard for Tier 4 Final is higher than what is typically observed when using non-tiered equipment, resulting in higher estimated mitigated CO emissions than unmitigated emissions in some years.
[a] These estimates reflect control of fugitive dust (watering two times daily) required by South Coast Air Quality Management District Rule 403.

Table 4.2-1715. Joint Plant Projects Estimated Maximum Daily Construction Emissions – Mitigated

Project	VOC	NO_x	CO	SO_x	PM_{10}[a]	$PM_{2.5}$[a]
	Pounds per day					
2021						
J-98 Plantwide Miscellaneous Electrical Power Distribution System Improvements (Replacement)	0.31	1.35	16.58	0.03	0.16	0.07
Combined Maximum	*0.31*	*1.35*	*16.58*	*0.03*	*0.16*	*0.07*

Table 4.2-1715. Joint Plant Projects Estimated Maximum Daily Construction Emissions – Mitigated

Project	VOC	NO_x	CO	SO_x	PM_{10}[a]	$PM_{2.5}$[a]
	Pounds per day					
2022						
J-98 Plantwide Miscellaneous Electrical Power Distribution System Improvements (Replacement)	0.31	1.34	16.56	0.03	0.16	0.07
Combined Maximum	*0.31*	*1.34*	*16.56*	*0.03*	*0.16*	*0.07*
2023						
J-98 Plantwide Miscellaneous Electrical Power Distribution System Improvements (Replacement)	0.30	1.29	16.54	0.03	0.16	0.07
Combined Maximum	*0.30*	*1.29*	*16.54*	*0.03*	*0.16*	*0.07*
2024						
J-98 Plantwide Miscellaneous Electrical Power Distribution System Improvements (Replacement)	0.30	1.29	16.52	0.03	0.16	0.07
J-120 Plantwide Miscellaneous Process Control Systems Upgrades	0.30	1.29	16.52	0.03	0.16	0.07
J-133 Laboratory Rehabilitation at Plant 1	0.66	3.87	9.95	0.02	2.86	1.55
Combined Maximum	*1.26*	*6.45*	*42.99*	*0.08*	*3.18*	*1.69*
2025						
J-98 Plantwide Miscellaneous Electrical Power Distribution System Improvements (Replacement)	0.30	1.29	16.50	0.03	0.16	0.07
J-120 Plantwide Miscellaneous Process Control Systems Upgrades	0.30	1.29	16.50	0.03	0.16	0.07
J-133 Laboratory Rehabilitation at Plant 1	39.28	4.84	21.36	0.04	1.20	0.24
X-057 (Yard Structures), X-058 (Yard Piping), X-059 (Tunnels) Plantwide Miscellaneous Rehabilitation and Replacement	3.04	22.09	48.76	0.08	1.46	1.03
Combined Maximum	*42.92*	*29.51*	*103.12*	*0.18*	*2.98*	*1.41*
2026						
J-98 Plantwide Miscellaneous Electrical Power Distribution System Improvements (Replacement)	0.30	1.28	16.49	0.03	0.16	0.07
J-120 Plantwide Miscellaneous Process Control Systems Upgrades	0.30	1.28	16.49	0.03	0.16	0.07

Table 4.2-~~17~~15. Joint Plant Projects Estimated Maximum Daily Construction Emissions – Mitigated

Project	VOC	NO_x	CO	SO_x	PM_{10}[a]	$PM_{2.5}$[a]
	Pounds per day					
X-057 (Yard Structures), X-058 (Yard Piping), X-059 (Tunnels) Plantwide Miscellaneous Rehabilitation and Replacement	2.34	18.45	28.23	0.05	1.07	0.84
Combined Maximum	*2.94*	*21.01*	*61.21*	*0.11*	*1.39*	*0.98*
2027						
J-120 Plantwide Miscellaneous Process Control Systems Upgrades	0.30	1.28	16.47	0.03	0.16	0.07
X-057 (Yard Structures), X-058 (Yard Piping), X-059 (Tunnels) Plantwide Miscellaneous Rehabilitation and Replacement	2.33	18.45	28.19	0.05	1.07	0.84
J-121 Plantwide Miscellaneous Process Control System Upgrades	0.16	0.83	8.36	0.01	0.13	0.05
Combined Maximum	*2.79*	*20.56*	*53.02*	*0.09*	*1.36*	*0.96*
2028						
J-120 Plantwide Miscellaneous Process Control System Upgrades	0.30	1.28	16.46	0.03	0.16	0.07
X-057 (Yard Structures), X-058 (Yard Piping), X-059 (Tunnels) Plantwide Miscellaneous Rehabilitation and Replacement	2.33	18.45	28.17	0.05	1.07	0.84
J-121 Plantwide Miscellaneous Process Control System Upgrades	0.16	0.83	8.35	0.01	0.13	0.05
Combined Maximum	*2.79*	*20.56*	*52.98*	*0.09*	*1.36*	*0.96*
2029						
J-120 Plantwide Miscellaneous Process Control System Upgrades	0.29	1.28	16.45	0.03	0.16	0.07
X-057 (Yard Structures), X-058 (Yard Piping), X-059 (Tunnels) Plantwide Miscellaneous Rehabilitation and Replacement	2.33	18.44	28.17	0.05	1.07	0.84
Combined Maximum	*2.62*	*19.72*	*44.62*	*0.08*	*1.23*	*0.91*
2030						
X-057 (Yard Structures), X-058 (Yard Piping), X-059 (Tunnels) Plantwide Miscellaneous Rehabilitation and Replacement	1.78	14.07	27.94	0.05	0.62	0.40
Combined Maximum	*1.78*	*14.07*	*27.94*	*0.05*	*0.62*	*0.40*

Table 4.2-1715. Joint Plant Projects Estimated Maximum Daily Construction Emissions – Mitigated

Project	VOC	NO_x	CO	SO_x	PM_{10}[a]	$PM_{2.5}$[a]
	Pounds per day					
2031						
X-057 (Yard Structures), X-058 (Yard Piping), X-059 (Tunnels) Plantwide Miscellaneous Rehabilitation and Replacement	1.77	14.06	27.92	0.05	0.62	0.40
Combined Maximum	*1.77*	*14.06*	*27.92*	*0.05*	*0.62*	*0.40*
2032						
X-057 (Yard Structures), X-058 (Yard Piping), X-059 (Tunnels) Plantwide Miscellaneous Rehabilitation and Replacement	0.40	3.61	7.36	0.01	0.14	0.09
Combined Maximum	*0.40*	*3.61*	*7.36*	*0.01*	*0.14*	*0.09*
2035						
X-044 Steve Anderson Lift Station Rehabilitation	0.41	3.07	11.60	0.02	0.21	0.09
Combined Maximum	*0.41*	*3.07*	*11.60*	*0.02*	*0.21*	*0.09*
2036						
X-044 Steve Anderson Lift Station Rehabilitation	0.41	3.07	11.60	0.02	0.21	0.09
Combined Maximum	*0.41*	*3.07*	*11.60*	*0.02*	*0.21*	*0.09*
Maximum						
Maximum Daily Emissions	**42.92**	**29.51**	**103.12**	**0.18**	**3.18**	**1.69**

Notes: VOC = volatile organic compound; NO_x = oxides of nitrogen; CO = carbon monoxide; SO_x = sulfur oxides; PM_{10} = coarse particulate matter; $PM_{2.5}$ = fine particulate matter.
See Appendix D for detailed results.
Emissions shown represent the maximum emissions during summer or winter as estimated in CalEEMod.
Estimated emissions include Tier 4 Final equipment for all equipment over 50 horsepower (MM-AQ-1). When applying the engine tier mitigation in CalEEMod, CalEEMod assumes the diesel engine emission standards set for that selected tier and engine power class for CO, non-methane hydrocarbons (VOC), NO_x and PM. The CO standard for Tier 4 Final is higher than what is typically observed when using non-tiered equipment, resulting in higher estimated mitigated CO emissions than unmitigated emissions in some years.
[a] These estimates reflect control of fugitive dust (watering two times daily) required by South Coast Air Quality Management District Rule 403.

Table 4.2-1816. Collection System Projects Estimated Maximum Daily Construction Emissions – Mitigated

Project	VOC	NO_x	CO	SO_x	PM_{10}[a]	$PM_{2.5}$[a]
	Pounds per day					
2021						
7-66 Sunflower and Red Hill Interceptor Rehab/Repair	0.47	2.10	24.89	0.04	0.26	0.11
Combined Maximum	*0.47*	*2.10*	*24.89*	*0.04*	*0.26*	*0.11*
2022						
7-68 MacArthur Dual Force Main Improvements	0.59	2.46	27.16	0.05	0.44	0.16

Table 4.2-~~1816~~. Collection System Projects Estimated Maximum Daily Construction Emissions – Mitigated

Project	VOC	NO_x	CO	SO_x	PM_{10}[a]	$PM_{2.5}$[a]
	Pounds per day					
5-68 Newport Beach Pump Station Odor Control Improvements	1.04	6.35	25.28	0.04	0.48	0.26
7-65 Gisler–Red Hill Interceptor Rehabilitation	0.47	2.10	24.89	0.04	0.26	0.11
7-67 Main Street P5 Force Main Rehabilitation	0.38	1.52	16.61	0.03	0.18	0.07
Combined Maximum	*2.48*	*12.43*	*93.94*	*0.16*	*1.36*	*0.60*
2023						
X-078 Air Jumper Additions and Rehabilitation (Two Air Jumpers Concurrently)	0.5	2.13	26.62	0.05	0.31	0.12
7-68 MacArthur Dual Force Main Improvements	0.59	2.46	27.16	0.05	0.44	0.16
5-68 Newport Beach Pump Station Odor Control Improvements	0.99	6.22	25.19	0.04	0.46	0.24
7-65 Gisler–Red Hill Interceptor Rehabilitation	0.09	0.30	4.22	0.01	0.08	0.03
7-67 Main Street P5 Force Main Rehabilitation	0.31	1.43	16.58	0.03	0.17	0.07
X-076 Santa Ana Trunk Sewer Rehabilitation Phase II	1.95	16.67	22.64	0.04	0.99	0.84
Combined Maximum	*4.43*	*29.21*	*122.41*	*0.22*	*2.45*	*1.46*
2024						
X-078 Air Jumper Additions and Rehabilitation (Two Air Jumpers Concurrently)	0.5	2.13	26.62	0.05	0.31	0.12
2-73 Yorba Linda Pump Station Abandonment	0.44	1.86	19.55	0.03	0.28	0.11
X-060 Newhope Placentia Chemical Dosing Station	1.27	7.37	41.00	0.07	0.62	0.30
X-076 Santa Ana Trunk Sewer Rehabilitation Phase II	1.82	15.63	22.58	0.04	0.88	0.73
X-082 North Trunk Improvement Project	0.62	2.67	27.42	0.04	0.46	0.17
Combined Maximum	*4.65*	*29.66*	*137.17*	*0.23*	*2.55*	*1.43*
2025						
X-078 Air Jumper Additions and Rehabilitation (Two Air Jumpers Concurrently)	0.5	2.13	26.62	0.05	0.31	0.12
2-73 Yorba Linda Pump Station Abandonment	0.44	1.85	19.53	0.03	0.30	0.11
X-076 Santa Ana Trunk Sewer Rehabilitation Phase II	0.29	2.41	3.80	0.01	0.16	0.11

Table 4.2-~~18~~16. Collection System Projects Estimated Maximum Daily Construction Emissions – Mitigated

Project	VOC	NO_x	CO	SO_x	PM_{10}[a]	$PM_{2.5}$[a]
	Pounds per day					
X-082 North Trunk Improvement Project	0.09	0.29	4.19	0.01	0.08	0.03
X-083 Greenville–Sullivan (Santa Ana) Sewer Upsize from 24 to 27 inch (14,460 feet)	0.66	2.73	27.41	0.04	0.47	0.17
Combined Maximum	*1.98*	*9.41*	*81.55*	*0.14*	*1.32*	*0.54*
2026						
X-078 Air Jumper Additions and Rehabilitation (Two Air Jumpers Concurrently)	0.5	2.13	26.62	0.05	0.31	0.12
11-33 Edinger Pumping Station Replacement	0.28	1.17	12.85	0.02	0.21	0.08
X-083 Greenville–Sullivan (Santa Ana) Sewer Upsize from 24 to 27 inch (14,460 feet)	0.33	1.05	11.44	0.02	0.18	0.07
Combined Maximum	*1.11*	*4.35*	*50.91*	*0.09*	*0.70*	*0.27*
2027						
X-078 Air Jumper Additions and Rehabilitation (Two Air Jumpers Concurrently)	0.5	2.13	26.62	0.05	0.31	0.12
11-33 Edinger Pumping Station Replacement	0.81	4.57	28.81	0.05	0.42	0.19
X-026 College Avenue Force Main Rehabilitation	0.57	2.50	27.09	0.05	0.48	0.17
Combined Maximum	*1.88*	*9.20*	*82.52*	*0.15*	*1.21*	*0.48*
2028						
X-078 Air Jumper Additions and Rehabilitation (Two Air Jumpers Concurrently)	0.5	2.13	26.62	0.05	0.31	0.12
11-33 Edinger Pumping Station Replacement	0.81	4.57	28.79	0.05	0.42	0.19
X-026 College Avenue Force Main Rehabilitation	0.57	2.50	27.09	0.05	0.48	0.17
2-49 Taft Branch (City of Orange) Sewer Upsize	0.62	2.97	27.59	0.04	0.47	0.18
Combined Maximum	*2.50*	*12.17*	*110.09*	*0.19*	*1.68*	*0.66*
2029						
X-078 Air Jumper Additions and Rehabilitation (Two Air Jumpers Concurrently)	0.5	2.13	26.62	0.05	0.31	0.12
X-063 South Santa Ana River Interceptor Connector Rehabilitation	0.58	2.46	27.18	0.04	0.44	0.16
Combined Maximum	*1.08*	*4.59*	*53.80*	*0.09*	*0.75*	*0.28*

Table 4.2-~~1816~~. Collection System Projects Estimated Maximum Daily Construction Emissions – Mitigated

Project	VOC	NO_x	CO	SO_x	PM_{10}[a]	$PM_{2.5}$[a]
	Pounds per day					
2030						
X-078 Air Jumper Additions and Rehabilitation (Two Air Jumpers Concurrently)	0.5	2.13	26.62	0.05	0.31	0.12
X-071 Edinger/Springdale Trunk Sewer Rehabilitation	0.59	2.46	27.16	0.05	0.44	0.16
Combined Maximum	*1.09*	*4.59*	*53.78*	*0.10*	*0.75*	*0.28*
2031						
X-078 Air Jumper Additions and Rehabilitation (Two Air Jumpers Concurrently)	0.5	2.13	26.62	0.05	0.31	0.12
X-071 Edinger/Springdale Trunk Sewer Rehabilitation	0.30	1.40	16.54	0.03	0.22	0.08
7-63 MacArthur Pump Station Rehabilitation	1.58	6.51	48.93	0.09	0.96	0.48
X-065 Tustin–Orange Interceptor Sewer at Reach 17 Rehabilitation	0.57	2.50	27.09	0.05	0.48	0.17
X-023 Lido Pump Station Rehabilitation	0.38	1.52	16.61	0.03	0.18	0.07
11-34 Slater Avenue Pump Station Rehabilitation	0.38	1.52	16.61	0.03	0.18	0.07
7-64 Main Street Pump Station Rehabilitation	0.38	1.52	16.61	0.03	0.18	0.07
Combined Maximum	*4.09*	*17.10*	*169.01*	*0.31*	*2.51*	*1.06*
2032						
X-078 Air Jumper Additions and Rehabilitation (Two Air Jumpers Concurrently)	0.5	2.13	26.62	0.05	0.31	0.12
7-63 MacArthur Pump Station Rehabilitation	1.57	6.50	48.89	0.09	0.93	0.48
X-065 Tustin–Orange Interceptor Sewer at Reach 17 Rehabilitation	0.57	2.50	27.09	0.05	0.48	0.17
X-023 Lido Pump Station Rehabilitation	0.38	1.52	16.61	0.03	0.18	0.07
11-34 Slater Avenue Pump Station Rehabilitation	0.38	1.52	16.61	0.03	0.18	0.07
7-64 Main Street Pump Station Rehabilitation	0.38	1.52	16.61	0.03	0.18	0.07
Combined Maximum	*3.78*	*15.69*	*152.43*	*0.28*	*2.26*	*0.98*
2033						
X-078 Air Jumper Additions and Rehabilitation (Two Air Jumpers Concurrently)	0.5	2.13	26.62	0.05	0.31	0.12
3-67 Seal Beach Pump Station Replacement	1.78	8.11	23.79	0.04	2.83	1.53

Table 4.2-~~1816~~. Collection System Projects Estimated Maximum Daily Construction Emissions – Mitigated

Project	VOC	NO_x	CO	SO_x	PM_{10}[a]	$PM_{2.5}$[a]
	Pounds per day					
X-084 Tustin Avenue Sewer Relief	0.57	2.50	27.09	0.05	0.48	0.17
11-34 Slater Avenue Pump Station Rehabilitation	0.38	1.52	16.61	0.03	0.18	0.07
7-64 Main Street Pump Station Rehabilitation	0.38	1.52	16.61	0.03	0.18	0.07
3-68 Los Alamitos Sub-Trunk Extension	1.48	26.75	44.49	0.18	3.72	1.09
Combined Maximum	*5.09*	*42.53*	*155.21*	*0.38*	*7.70*	*3.05*
2034						
3-67 Seal Beach Pump Station Replacement	0.01	0.01	0.09	0.00	0.07	0.02
X-066 Tustin–Orange Interceptor Sewer at Reach 18 Rehabilitation	0.57	2.50	27.09	0.05	0.48	0.17
X-086 Santa Ana River Sewer Relief	0.69	2.71	27.22	0.05	0.51	0.18
X-067 (X-085) Hoover–Western Sub-Trunks Sewer Rehabilitation	0.59	2.46	27.16	0.05	0.44	0.16
Combined Maximum	*1.86*	*7.68*	*81.56*	*0.15*	*1.50*	*0.53*
2035						
X-086 Santa Ana River Sewer Relief	0.69	2.70	27.20	0.05	0.53	0.18
X-067 (X-085) Hoover–Western Sub-Trunks Sewer Rehabilitation	0.59	2.46	27.16	0.05	0.44	0.16
Combined Maximum	*1.28*	*5.16*	*54.36*	*0.10*	*0.97*	*0.34*
2036						
X-040 College Avenue Pump Station Replacement	0.78	6.32	13.88	0.03	0.25	0.13
X-061 Imperial Highway Relief Interceptor Rehabilitation	0.59	2.46	27.16	0.05	0.44	0.16
X-022 15th Street Pump Station Rehabilitation	0.38	1.52	16.61	0.03	0.18	0.07
X-041 A Street Pump Station Rehabilitation	0.38	1.52	16.61	0.03	0.18	0.07
X-024 Rocky Point Pump Station Rehabilitation	0.78	6.32	22.95	0.04	0.38	0.17
Combined Maximum	*2.91*	*18.14*	*97.21*	*0.18*	*1.43*	*0.60*
2037						
X-040 College Avenue Pump Station Replacement	0.53	4.33	22.95	0.04	0.38	0.17
X-061 Imperial Highway Relief Interceptor Rehabilitation	0.59	2.46	27.16	0.05	0.44	0.16

Table 4.2-1816. Collection System Projects Estimated Maximum Daily Construction Emissions – Mitigated

Project	VOC	NO_x	CO	SO_x	PM_{10}[a]	$PM_{2.5}$[a]
	Pounds per day					
X-068 North Trunk Rehabilitation	0.57	2.50	27.09	0.05	0.48	0.17
X-022 15th Street Pump Station Rehabilitation	0.38	1.52	16.61	0.03	0.18	0.07
X-041 A Street Pump Station Rehabilitation	0.38	1.52	16.61	0.03	0.18	0.07
5-66 Crystal Cove Pumping Station Upgrade and Rehabilitation	0.38	1.52	16.61	0.03	0.18	0.07
X-024 Rocky Point Pump Station Rehabilitation	0.78	6.32	22.95	0.04	0.38	0.17
X-025 Bitter Point Pump Station Rehabilitation	0.78	6.32	22.95	0.04	0.38	0.17
Combined Maximum	*4.39*	*26.49*	*172.93*	*0.31*	*2.60*	*1.05*
2038						
5-66 Crystal Cove Pumping Station Upgrade and Rehabilitation	0.38	1.52	16.61	0.03	0.18	0.07
X-025 Bitter Point Pump Station Rehabilitation	0.78	6.32	22.95	0.04	0.38	0.17
Combined Maximum	*1.16*	*7.84*	*39.56*	*0.07*	*0.56*	*0.24*
Maximum						
Maximum Daily Emissions	**5.09**	**42.53**	**172.93**	**0.38**	**7.70**	**3.05**

Notes: VOC = volatile organic compound; NO_x = oxides of nitrogen; CO = carbon monoxide; SO_x = sulfur oxides; PM_{10} = coarse particulate matter; $PM_{2.5}$ = fine particulate matter.
See Appendix D for detailed results.
Emissions shown represent the maximum emissions during summer or winter as estimated in CalEEMod.
Estimated emissions include Tier 4 Final equipment for all equipment over 50 horsepower (**MM-AQ-1**). When applying the engine tier mitigation in CalEEMod, CalEEMod assumes the diesel engine emission standards set for that selected tier and engine power class for CO, non-methane hydrocarbons (VOCs), NO_x and PM. The CO standard for Tier 4 Final is higher than what is typically observed when using non-tiered equipment, resulting in higher estimated mitigated CO emissions than unmitigated emissions in some years.
[a] These estimates reflect control of fugitive dust (watering two times daily) required by South Coast Air Quality Management District Rule 403.

Table 4.2-1917. Annual Combined FMP Projects Estimated Maximum Daily Construction Emissions – Mitigated

Project	VOC	NO_x	CO	SO_x	PM_{10}[a]	$PM_{2.5}$[a]
	Pounds per day					
2021						
Plant 1	0.00	0.00	0.00	0.00	0.00	0.00
Plant 2	18.26	10.58	56.09	0.11	2.91	1.56
Joint Plant	0.31	1.35	16.58	0.03	0.16	0.07
Collection System	0.47	2.1	24.89	0.04	0.26	0.11
Combined Maximum	*19.04*	*14.03*	*97.56*	*0.18*	*3.33*	*1.74*
2022						
Plant 1	0.00	0.00	0.00	0.00	0.00	0.00

Table 4.2-~~19~~17. Annual Combined FMP Projects Estimated Maximum Daily Construction Emissions – Mitigated

Project	VOC	NO_x	CO	SO_x	PM_{10}[a]	$PM_{2.5}$[a]
	Pounds per day					
Plant 2	2.54	14.59	104.77	0.19	4.15	2.08
Joint Plant	0.31	1.34	16.56	0.03	0.16	0.07
Collection System	2.48	12.43	93.94	0.16	1.36	0.6
Combined Maximum	*5.33*	*28.36*	*215.27*	*0.38*	*5.67*	*2.75*
2023						
Plant 1	0.88	4.12	31.66	0.06	0.59	0.22
Plant 2	36.68	15.07	91.32	0.15	3.56	1.82
Joint Plant	0.30	1.29	16.54	0.03	0.16	0.07
Collection System	4.43	29.21	122.41	0.22	2.45	1.46
Combined Maximum	*42.29*	*49.69*	*261.93*	*0.46*	*6.76*	*3.57*
2024						
Plant 1	1.55	6.3	50.66	0.08	1.55	0.55
Plant 2	4.21	18.18	116.94	0.19	1.97	0.72
Joint Plant	1.26	6.45	42.99	0.08	3.18	1.69
Collection System	4.65	29.66	137.17	0.23	2.55	1.43
Combined Maximum	*11.67*	*60.59*	*347.76*	*0.58*	*9.25*	*4.39*
2025						
Plant 1	1.7	8.43	55.9	0.1	1.37	0.49
Plant 2	1.77	11.39	79.54	0.13	1.42	0.51
Joint Plant	42.92	29.51	103.12	0.18	2.98	1.41
Collection System	1.98	9.41	81.55	0.14	1.32	0.54
Combined Maximum	*48.37*	*58.74*	*320.11*	*0.55*	*7.09*	*2.95*
2026						
Plant 1	6.26	10.66	59.87	0.1	1.43	0.54
Plant 2	1.69	8.29	50.85	0.08	0.86	0.36
Joint Plant	2.94	21.01	61.21	0.11	1.39	0.98
Collection System	1.11	4.35	50.91	0.09	0.7	0.27
Combined Maximum	*12.00*	*44.31*	*222.84*	*0.38*	*4.38*	*2.15*
2027						
Plant 1	1.9	9.83	62.58	0.1	1.1	0.47
Plant 2	1.83	12.14	59.53	0.1	0.99	0.52
Joint Plant	2.79	20.56	53.02	0.09	1.36	0.96
Collection System	1.88	9.2	82.52	0.15	1.21	0.48
Combined Maximum	*8.40*	*51.73*	*257.65*	*0.44*	*4.66*	*2.43*
2028						
Plant 1	1.32	7.81	45.06	0.08	0.76	0.33
Plant 2	0.08	0.29	4.17	0.01	0.08	0.03
Joint Plant	2.79	20.56	52.98	0.09	1.36	0.96
Collection System	2.5	12.17	110.09	0.19	1.68	0.66
Combined Maximum	*6.69*	*40.83*	*212.30*	*0.37*	*3.88*	*1.98*
2029						
Plant 1	0.44	4.04	17.37	0.04	0.34	0.13
Plant 2	0.00	0.00	0.00	0.00	0.00	0.00

Table 4.2-~~19~~17. Annual Combined FMP Projects Estimated Maximum Daily Construction Emissions – Mitigated

Project	VOC	NO_x	CO	SO_x	PM_{10}[a]	$PM_{2.5}$[a]
	Pounds per day					
Joint Plant	2.62	19.72	44.62	0.08	1.23	0.91
Collection System	1.08	4.59	53.8	0.09	0.75	0.28
Combined Maximum	*4.14*	*28.35*	*115.79*	*0.21*	*2.32*	*1.32*
2030						
Plant 1	0.44	2.14	17.27	0.04	0.31	0.13
Plant 2	0.00	0.00	0.00	0.00	0.00	0.00
Joint Plant	1.78	14.07	27.94	0.05	0.62	0.40
Collection System	1.09	4.59	53.78	0.10	0.75	0.28
Combined Maximum	*3.31*	*20.80*	*98.99*	*0.19*	*1.68*	*0.81*
2031						
Plant 1	1.25	9.73	46.07	0.09	0.75	0.28
Plant 2	1.18	7.21	45.72	0.10	1.88	0.49
Joint Plant	1.77	14.06	27.92	0.05	0.62	0.40
Collection System	4.09	17.10	169.01	0.31	2.51	1.06
Combined Maximum	*8.29*	*48.10*	*288.72*	*0.55*	*5.76*	*2.23*
2032						
Plant 1	2.89	23.12	88.04	0.17	1.69	0.7
Plant 2	2.24	14.19	76.83	0.14	1.18	0.48
Joint Plant	0.4	3.61	7.36	0.01	0.14	0.09
Collection System	3.78	15.69	152.43	0.28	2.26	0.98
Combined Maximum	*9.31*	*56.61*	*324.66*	*0.60*	*5.27*	*2.25*
2033						
Plant 1	1.36	12.09	31.94	0.06	0.69	0.37
Plant 2	0.08	0.29	4.15	0.01	0.08	0.03
Joint Plant	0.00	0.00	0.00	0.00	0.00	0.00
Collection System	5.09	42.53	155.21	0.38	7.70	3.05
Combined Maximum	*6.53*	*54.91*	*191.30*	*0.45*	*8.47*	*3.45*
2034						
Plant 1	1.95	17.13	47.08	0.09	0.87	0.5
Plant 2	0.00	0.00	0.00	0.00	0.00	0.00
Joint Plant	0.00	0.00	0.00	0.00	0.00	0.00
Collection System	1.86	7.68	81.56	0.15	1.5	0.53
Combined Maximum	*3.81*	*24.81*	*128.64*	*0.24*	*2.37*	*1.03*
2035						
Plant 1	2.15	17.59	44.25	0.09	0.75	0.38
Plant 2	0.00	0.00	0.00	0.00	0.00	0.00
Joint Plant	0.41	3.07	11.6	0.02	0.21	0.09
Collection System	1.28	5.16	54.36	0.1	0.97	0.34
Combined Maximum	*3.84*	*25.82*	*110.21*	*0.21*	*1.93*	*0.81*
2036						
Plant 1	2.02	16.01	71.71	0.15	1.13	0.46
Plant 2	1.25	8.76	38.2	0.07	0.64	0.27
Joint Plant	0.41	3.07	11.6	0.02	0.21	0.09

Table 4.2-~~19~~17. Annual Combined FMP Projects Estimated Maximum Daily Construction Emissions – Mitigated

Project	VOC	NO_x	CO	SO_x	PM_{10}[a]	$PM_{2.5}$[a]
	Pounds per day					
Collection System	2.91	18.14	97.21	0.18	1.43	0.6
Combined Maximum	*6.59*	*45.98*	*218.72*	*0.42*	*3.41*	*1.42*
2037						
Plant 1	1.43	10	40.56	0.08	0.68	0.3
Plant 2	1.8	12.48	65.81	0.12	1	0.41
Joint Plant	0.00	0.00	0.00	0.00	0.00	0.00
Collection System	4.39	26.49	172.93	0.31	2.6	1.05
Combined Maximum	*7.62*	*48.97*	*279.30*	*0.51*	*4.28*	*1.76*
2038						
Plant 1	0.8	6.11	12.97	0.02	0.34	0.15
Plant 2	1.36	9.56	47.31	0.08	0.68	0.29
Joint Plant	0.00	0.00	0.00	0.00	0.00	0.00
Collection System	1.16	7.84	39.56	0.07	0.56	0.24
Combined Maximum	*3.32*	*23.51*	*99.84*	*0.17*	*1.58*	*0.68*
2039						
Plant 1	0.28	2.75	12.47	0.02	0.34	0.12
Plant 2	0.93	6.42	32.34	0.06	0.48	0.19
Joint Plant	0.00	0.00	0.00	0.00	0.00	0.00
Collection System	0.00	0.00	0.00	0.00	0.00	0.00
Combined Maximum	*1.21*	*9.17*	*44.81*	*0.08*	*0.82*	*0.31*
2040						
Plant 1	0.00	0.00	0.00	0.00	0.00	0.00
Plant 2	1.15	7.17	42.09	0.08	0.6	0.23
Joint Plant	0.00	0.00	0.00	0.00	0.00	0.00
Collection System	0.00	0.00	0.00	0.00	0.00	0.00
Combined Maximum	*1.15*	*7.17*	*42.09*	*0.08*	*0.60*	*0.23*
Maximum						
Maximum Daily Emissions	**48.37**	**60.59**	**347.76**	**0.60**	**9.25**	**4.39**
SCAQMD Threshold	*75*	*100*	*550*	*150*	*150*	*55*
Threshold exceeded?	**No**	**No**	**No**	**No**	**No**	**No**

Notes: FMP = Facilities Master Plan; VOC = volatile organic compound; NO_x = oxides of nitrogen; CO = carbon monoxide; SO_x = sulfur oxides; PM_{10} = coarse particulate matter; $PM_{2.5}$ = fine particulate matter; SCAQMD = South Coast Air Quality Management District. See Appendix D for detailed results.

[a] These estimates reflect control of fugitive dust (watering two times daily) required by SCAQMD Rule 403.

As shown in Table 4.2-~~19~~17, maximum daily NO_x emissions generated during proposed project construction would be reduced below the SCAQMD mass daily construction threshold of 100 pounds per day in all construction years. Accordingly, regarding the potential for the proposed project to result in a cumulatively considerable net increase of any criteria pollutant for which the project region is nonattainment under an applicable federal or state ambient air quality standard, impacts would be less than significant with mitigation.

3. Would the project expose sensitive receptors to substantial pollutant concentrations?

Less-than-Significant Impact with Mitigation Incorporated. The potential for the proposed project to result in impacts relating to LSTs, CO hotspots, TACs (health risk), and health effects associated with criteria air pollutants are discussed below.

As discussed in Section 4.2.1.3, sensitive receptors are those individuals more susceptible to the effects of air pollution than the population at large. People most likely to be affected by air pollution include children, the elderly, and people with cardiovascular and chronic respiratory diseases. According to SCAQMD, sensitive receptors include residences, schools, playgrounds, childcare centers, long-term healthcare facilities, rehabilitation centers, convalescent centers, and retirement homes (SCAQMD 1993).

Sensitive receptors near Plant 1 include residential receptors approximately 100 feet from the western boundary of the site and 400 feet from the eastern site boundary; sensitive receptors near Plant 2 include residential receptors approximately 100 feet from the western boundary of the site. The joint plant projects would occur on Plant 1 and/or Plant 2, so the closest sensitive receptors are the same as the ones identified for Plant 1 and Plant 2. The collection system projects are located within the Sanitation District operating region, which includes developed lands that support various land uses, and sensitive receptors such as residences could be located within 25 meters (approximately 82 feet) of project sites.

Localized Significance Thresholds

An LST analysis has been prepared to determine potential impacts to nearby sensitive receptors during construction of the project. As indicated in the discussion of the thresholds of significance (Section 4.2.3), SCAQMD also recommends the evaluation of localized NO_2, CO, PM_{10}, and $PM_{2.5}$ impacts as a result of construction activities to sensitive receptors in the immediate vicinity of the project site. The impacts were analyzed using methods consistent with those in SCAQMD's Final LST Methodology (2009). According to the Final LST Methodology, "off-site mobile emissions from the project should not be included in the emissions compared to the LSTs" (SCAQMD 2008). Hauling of construction materials associated with project construction are not expected to cause substantial air quality impacts to sensitive receptors along off-site roadways. Localized emissions from the trucks would be relatively brief in nature and would cease once the trucks pass through the main streets.

LSTs are evaluated at a site-specific level because the focus is localized emissions. While emissions from project activities would occur at different locations within the Plant 1 and Plant 2 sites and thus, the nearest off-site sensitive receptors would be different, emissions from all areas of activity are conservatively combined and presented in the on-site emissions for Plants 1 and 2. For example, activities occurring within the plants could be far apart, and would impact different receptors. By combining emissions, the analysis assumes that all emissions are impacting the same receptor equally. Because the joint plant projects would occur on Plant 1 and/or Plant 2, maximum on-site emissions were added to the Plant 1 and/or Plant 2 on-site emissions, as appropriate.

Conversely, the collection system projects would occur at different locations within the Sanitation District service area and would not potentially impact the same receptor at the same time. Therefore, collection system projects are evaluated on the individual project level and are not combined before comparing to the applicable SCAQMD LST.

Construction activities associated with the proposed project would result in temporary sources of on-site fugitive dust and construction equipment emissions. As discussed above, off-site emissions from vendor trucks, haul trucks, and worker vehicle trips are not included in the LST analysis. The most stringent SCAQMD localized significance criteria for the appropriate SRA (for 1-acre project sites corresponding to a distance to a sensitive receptor of 25 meters [82 feet]) are presented in Tables 4.2-20~~18~~, 4.2-21~~19~~, and 4.2-22~~20~~, and compared to the maximum daily on-site construction emissions generated during proposed project construction activities. The LSTs applied are conservative because for some FMP projects, the nearest sensitive receptor could be located farther from the project site than 25 meters, which would result in a less stringent (i.e., higher) LST criteria.

Table 4.2-20~~18~~. Plant 1 and Applicable Joint Plant Estimated Maximum Daily On-Site Construction Emissions

Project	NO_x	CO	PM_{10}[a]	$PM_{2.5}$[a]
	Pounds per day			
2021				
J-98 Plantwide Miscellaneous Electrical Power Distribution System Improvements (Replacement)	12.66	14.74	0.67	0.67
Combined Maximum	*12.66*	*14.74*	*0.67*	*0.67*
2022				
J-98 Plantwide Miscellaneous Electrical Power Distribution System Improvements (Replacement)	11.71	14.70	0.59	0.59
Combined Maximum	*11.71*	*14.70*	*0.59*	*0.59*
2023				
P1-135 Digester Ferric Piping Replacement	21.57	27.79	1.06	1.00
J-98 Plantwide Miscellaneous Electrical Power Distribution System Improvements (Replacement)	10.86	14.68	0.51	0.51
Combined Maximum	*32.43*	*42.47*	*1.57*	*1.51*
2024				
P1-126 Primary Clarifiers Replacements and Improvements	25.77	36.48	1.66	1.19
X-090 Network, Telecommunications, and Service Relocation	5.97	7.39	0.59	0.43
J-98 Plantwide Miscellaneous Electrical Power Distribution System Improvements (Replacement)	10.18	14.66	0.44	0.44
J-120 Plantwide Miscellaneous Process Control Systems Upgrades	10.18	14.66	0.44	0.44
J-133 Laboratory Rehabilitation at Plant 1	12.73	8.48	3.24	1.97
Combined Maximum	*64.83*	*81.67*	*6.37*	*4.47*
2025				
P1-126 Primary Clarifiers Replacements and Improvements	19.66	25.89	0.78	0.76
X-093 Administrative Facilities and Power Building 3A Demolition	11.45	14.45	0.85	0.51

Table 4.2-20~~18~~. Plant 1 and Applicable Joint Plant Estimated Maximum Daily On-Site Construction Emissions

Project	NO_x	CO	PM_{10}[a]	$PM_{2.5}$[a]
	Pounds per day			
X-077 Switchgear Replacement at Central Generation	6.38	7.32	0.27	0.26
J-98 Plantwide Miscellaneous Electrical Power Distribution System Improvements (Replacement)	9.58	14.64	0.38	0.38
J-120 Plantwide Miscellaneous Process Control Systems Upgrades	9.58	14.64	0.38	0.38
J-133 Laboratory Rehabilitation at Plant 1	13.82	18.10	1.19	0.56
X-057 (Yard Structures), X-058 (Yard Piping), X-059 (Tunnels) Plantwide Miscellaneous Rehabilitation and Replacement	18.29	27.62	0.76	0.76
Combined Maximum	*88.76*	*122.66*	*4.61*	*3.61*
2026				
P1-126 Primary Clarifiers Replacements and Improvements	19.66	25.89	0.78	0.76
X-093 Administrative Facilities and Power Building 3A Demolition	11.45	14.45	0.85	0.51
X-092 Standby Generator Feeders for Plant 1 Secondary Systems	8.76	10.37	0.33	0.32
J-98 Plantwide Miscellaneous Electrical Power Distribution System Improvements (Replacement)	9.58	14.64	0.38	0.38
J-120 Plantwide Miscellaneous Process Control Systems Upgrades	9.58	14.64	0.38	0.38
X-057 (Yard Structures), X-058 (Yard Piping), X-059 (Tunnels) Plantwide Miscellaneous Rehabilitation and Replacement	18.29	27.62	0.76	0.76
Combined Maximum	*77.32*	*107.61*	*3.48*	*3.11*
2027				
P1-126 Primary Clarifiers Replacements and Improvements	19.42	25.67	0.82	0.78
X-092 Standby Generator Feeders for Plant 1 Secondary Systems	8.76	10.37	0.33	0.32
X-048 Activated Sludge (AS)-1 Aeration Basin and Blower Rehabilitation	12.40	18.37	0.56	0.48
J-120 Plantwide Miscellaneous Process Control Systems Upgrades	9.58	14.64	0.38	0.38
Combined Maximum	*50.16*	*69.05*	*2.09*	*1.96*
2028				
X-048 Activated Sludge (AS)-1 Aeration Basin and Blower Rehabilitation	21.24	28.40	0.83	0.81
P1-126 Primary Clarifiers Replacements and Improvements	7.85	12.14	0.33	0.33

Table 4.2-20~~18~~. Plant 1 and Applicable Joint Plant Estimated Maximum Daily On-Site Construction Emissions

Project	NO_x	CO	PM_{10}[a]	$PM_{2.5}$[a]
	Pounds per day			
J-120 Plantwide Miscellaneous Process Control Systems Upgrades	9.58	14.64	0.38	0.38
Combined Maximum	*38.67*	*55.18*	*1.54*	*1.52*
2029				
X-017 Primary Clarifiers 6-37	6.37	7.94	0.25	0.23
X-048 Activated Sludge (AS)-1 Aeration Basin and Blower Rehabilitation	5.53	7.94	0.22	0.22
J-120 Plantwide Miscellaneous Process Control Systems Upgrades	9.58	14.64	0.38	0.38
Combined Maximum	*21.48*	*30.52*	*0.85*	*0.83*
2030				
X-017 Primary Clarifiers 6-37	4.34	7.89	0.10	0.10
X-048 Activated Sludge (AS)-1 Aeration Basin and Blower Rehabilitation	4.34	7.89	0.10	0.10
Combined Maximum	*8.68*	*15.78*	*0.20*	*0.20*
2031				
P1-127 Central Generation Rehabilitation	2.47	7.26	0.07	0.07
X-017 Primary Clarifiers 6-37	13.18	24.95	0.26	0.26
X-038 City Water Pump Station Rehabilitation	3.68	6.46	0.08	0.08
X-048 Activated Sludge (AS)-1 Aeration Basin and Blower Rehabilitation	0.00	0.00	0.00	0.00
Combined Maximum	*19.33*	*38.67*	*0.41*	*0.41*
2032				
P1-127 Central Generation Rehabilitation	12.66	23.75	0.25	0.25
X-017 Primary Clarifiers 6-37	13.18	24.95	0.26	0.26
X-038 City Water Pump Station Rehabilitation	3.68	6.46	0.08	0.08
X-049 Activated Sludge (AS)-1 Clarifier and RAS Pump Station Rehabilitation	4.76	9.74	0.11	0.11
X-043 Dissolved Air Flotation Thickener (DAFT) Demolition	4.47	11.99	0.37	0.17
Combined Maximum	*38.75*	*76.89*	*1.07*	*0.87*
2033				
P1-127 Central Generation Rehabilitation	1.80	3.64	0.04	0.04
X-017 Primary Clarifiers 6-37	0.00	0.00	0.00	0.00
X-049 Activated Sludge (AS)-1 Clarifier and RAS Pump Station Rehabilitation	13.28	25.84	0.28	0.28
Combined Maximum	*15.08*	*29.48*	*0.32*	*0.32*
2034				
X-015 Trickling Filters Rehabilitation	6.74	16.86	0.21	0.16
X-049 Activated Sludge (AS)-1 Clarifier and RAS Pump Station Rehabilitation	13.28	25.84	0.28	0.28
Combined Maximum	*20.02*	*42.70*	*0.49*	*0.44*

Table 4.2-20~~18~~. Plant 1 and Applicable Joint Plant Estimated Maximum Daily On-Site Construction Emissions

Project	NO_x	CO	PM_{10}[a]	$PM_{2.5}$[a]
	Pounds per day			
2035				
X-006 Waste Sidestream Pump Station 1 Upgrade	11.27	24.75	0.15	0.15
X-015 Trickling Filters Rehabilitation	7.23	16.94	0.12	0.12
Combined Maximum	*18.50*	*41.69*	*0.27*	*0.27*
2036				
X-006 Waste Sidestream Pump Station 1 Upgrade	7.97	17.38	0.10	0.10
X-015 Trickling Filters Rehabilitation	7.23	16.94	0.12	0.12
X-039 Plant Water Pump Station Rehabilitation	3.16	6.43	0.05	0.05
X-079 Primary Scrubber Rehabilitation	9.27	21.66	0.23	0.14
Combined Maximum	*27.63*	*62.41*	*0.50*	*0.41*
2037				
X-039 Plant Water Pump Station Rehabilitation	1.60	3.63	0.02	0.02
X-079 Primary Scrubber Rehabilitation	7.67	18.04	0.13	0.13
X-018 Activated Sludge (AS) 2 Rehabilitation	5.98	13.41	0.09	0.09
Combined Maximum	*15.25*	*35.08*	*0.24*	*0.24*
2038				
X-018 Activated Sludge (AS) 2 Rehabilitation	5.98	12.68	0.09	0.09
Combined Maximum	*5.98*	*12.68*	*0.09*	*0.09*
2039				
X-018 Activated Sludge (AS) 2 Rehabilitation	5.30	10.36	0.06	0.06
Combined Maximum	*5.30*	*10.36*	*0.06*	*0.06*
Maximum				
Maximum Daily On-Site Emissions	**88.76**	**122.66**	**6.37**	**4.47**
SCAQMD LST	*92*	*647*	*4*	*3*
Threshold exceeded?	**No**	**No**	**Yes**	**Yes**

Notes: NO_x = oxides of nitrogen; CO = carbon monoxide; PM_{10} = coarse particulate matter; $PM_{2.5}$ = fine particulate matter; SCAQMD = South Coast Air Quality Management District; LST = localized significance threshold; RAS = return activated sludge.
See Appendix D for detailed results.

[a] These estimates reflect control of fugitive dust (watering two times daily) required by SCAQMD Rule 403.

As shown in Table 4.2-20~~18~~, the combined maximum emissions from Plant 1 and applicable joint plant projects would exceed the LST for PM_{10} during two construction years (2024 and 2025), and would exceed the LST for $PM_{2.5}$ during three construction years (2024, 2025, and 2026); NO_x and CO LSTs would not be exceeded during all construction years.

Table 4.2-2119 presents estimated maximum daily on-site criteria air pollutant emissions generated during proposed construction of Plant 2 projects and joint plant projects located within the Plant 2 boundaries.

Table 4.2-2119. Plant 2 and Applicable Joint Plant Estimated Maximum Daily On-Site Construction Emissions

Project	NO_x	CO	PM_{10}[a]	$PM_{2.5}$[a]
	Pounds per day			
2021				
P2-138 Operations and Maintenance Complex at Plant 2	59.01	40.22	3.49	2.57
Combined Maximum	*59.01*	*40.22*	*3.49*	*2.57*
2022				
P2-126 Substation and Warehouse Replacement at Plant 2	27.47	31.75	3.40	2.12
P2-138 Operations and Maintenance Complex at Plant 2	50.00	39.01	2.35	2.11
Combined Maximum	*77.47*	*70.76*	*5.75*	*4.23*
2023				
P2-126 Substation and Warehouse Replacement at Plant 2	54.92	68.33	4.59	3.29
Combined Maximum	*54.92*	*68.33*	*4.59*	*3.29*
2024				
P2-126 Substation and Warehouse Replacement at Plant 2	58.16	80.32	2.59	2.41
X-050 Activated Sludge (AS) Aeration Basin at Plant 2	15.95	23.30	0.71	0.71
J-120 Plantwide Miscellaneous Process Control Systems Upgrades	10.18	14.66	0.44	0.44
Combined Maximum	*84.29*	*118.28*	*3.74*	*3.56*
2025				
P2-126 Substation and Warehouse Replacement at Plant 2	32.36	46.46	1.35	1.24
X-050 Activated Sludge (AS) Aeration Basin at Plant 2	15.05	23.27	0.61	0.61
J-120 Plantwide Miscellaneous Process Control Systems Upgrades	9.58	14.64	0.38	0.38
X-057 (Yard Structures), X-058 (Yard Piping), X-059 (Tunnels) Plantwide Miscellaneous Rehabilitation and Replacement	18.29	27.62	0.76	0.76
Combined Maximum	*75.28*	*111.99*	*3.10*	*2.99*
2026				
X-032 Truck Loading Facility Rehabilitation at Plant 2	11.64	15.16	0.45	0.43
X-050 Activated Sludge (AS) Aeration Basin at Plant 2	8.76	10.37	0.33	0.32
X-054 Waste Side-Stream Pump Station C Rehabilitation at Plant 2	11.74	18.57	0.47	0.45

Table 4.2-2119. Plant 2 and Applicable Joint Plant Estimated Maximum Daily On-Site Construction Emissions

Project	NO_x	CO	PM_{10}[a]	$PM_{2.5}$[a]
	Pounds per day			
J-120 Plantwide Miscellaneous Process Control Systems Upgrades	9.58	14.64	0.38	0.38
X-057 (Yard Structures), X-058 (Yard Piping), X-059 (Tunnels) Plantwide Miscellaneous Rehabilitation and Replacement	18.29	27.62	0.76	0.76
Combined Maximum	*60.01*	*86.36*	*2.39*	*2.34*
2027				
X-032 Truck Loading Facility Rehabilitation at Plant 2	11.64	15.16	0.45	0.43
X-034 Sodium Bisulfite Station Replacement and Bleach Station Demolition at Plant 2	9.33	14.89	0.39	0.36
X-050 Activated Sludge (AS) Aeration Basin at Plant 2	2.40	3.66	0.10	0.10
X-054 Waste Side-Stream Pump Station C Rehabilitation at Plant 2	11.74	18.57	0.47	0.45
J-120 Plantwide Miscellaneous Process Control Systems Upgrades	9.58	14.64	0.38	0.38
J-121 Plantwide Miscellaneous Process Control Systems Upgrades	4.79	7.32	0.19	0.19
X-057 (Yard Structures), X-058 (Yard Piping), X-059 (Tunnels) Plantwide Miscellaneous Rehabilitation and Replacement	18.29	27.62	0.76	0.76
Combined Maximum	*67.77*	*101.86*	*2.74*	*2.67*
2028				
X-034 Sodium Bisulfite Station Replacement and Bleach Station Demolition at Plant 2	2.40	3.66	0.10	0.10
J-120 Plantwide Miscellaneous Process Control Systems Upgrades	9.58	14.64	0.38	0.38
J-121 Plantwide Miscellaneous Process Control Systems Upgrades	4.79	7.32	0.19	0.19
X-057 (Yard Structures), X-058 (Yard Piping), X-059 (Tunnels) Plantwide Miscellaneous Rehabilitation and Replacement	18.29	27.62	0.76	0.76
Combined Maximum	*35.06*	*53.24*	*1.43*	*1.43*
2029				
J-120 Plantwide Miscellaneous Process Control Systems Upgrades	9.58	14.64	0.38	0.38
X-057 (Yard Structures), X-058 (Yard Piping), X-059 (Tunnels) Plantwide Miscellaneous Rehabilitation and Replacement	18.29	27.62	0.76	0.76
Combined Maximum	*27.87*	*42.26*	*1.14*	*1.14*

Table 4.2-2119. Plant 2 and Applicable Joint Plant Estimated Maximum Daily On-Site Construction Emissions

Project	NO_x	CO	PM_{10}[a]	$PM_{2.5}$[a]
	Pounds per day			
2030				
X-057 (Yard Structures), X-058 (Yard Piping), X-059 (Tunnels) Plantwide Miscellaneous Rehabilitation and Replacement	13.92	27.45	0.32	0.32
Combined Maximum	*13.92*	*27.45*	*0.32*	*0.32*
2031				
P2-119 Central Generation Rehabilitation at Plant 2	3.98	10.80	0.30	0.13
X-007 Waste Side-stream Pump Station 2A Upgrade at Plant 2	13.03	26.37	0.41	0.41
X-036 City Water Pump Station Rehabilitation at Plant 2	2.47	7.26	0.10	0.08
X-057 (Yard Structures), X-058 (Yard Piping), X-059 (Tunnels) Plantwide Miscellaneous Rehabilitation and Replacement	13.92	27.45	0.32	0.32
Combined Maximum	*33.40*	*71.88*	*1.13*	*0.94*
2032				
P2-119 Central Generation Rehabilitation at Plant 2	13.68	26.10	0.27	0.27
X-007 Waste Side-stream Pump Station 2A Upgrade at Plant 2	7.28	13.73	0.15	0.15
X-036 City Water Pump Station Rehabilitation at Plant 2	3.68	6.46	0.08	0.08
X-037 Plant Water Pump Station and 12 kV Distribution Center A Demolition at Plant 2	9.17	17.40	0.48	0.29
X-057 (Yard Structures), X-058 (Yard Piping), X-059 (Tunnels) Plantwide Miscellaneous Rehabilitation and Replacement	3.61	7.27	0.07	0.07
Combined Maximum	*37.42*	*70.96*	*1.05*	*0.86*
2033				
P2-119 Central Generation Rehabilitation at Plant 2	1.80	3.64	0.04	0.04
Combined Maximum	*1.80*	*3.64*	*0.04*	*0.04*
2036				
X-014 Trickling Filter Solids-Contact Odor Control	6.75	17.25	0.10	0.10
X-030 Headworks Rehabilitation	1.98	4.88	0.04	0.04
X-052 Activated Sludge (AS) RAS/WAS/PEPS/Vaporizers Rehabilitation at Plant 2	4.07	11.10	0.07	0.07
Combined Maximum	*12.80*	*33.23*	*0.21*	*0.21*

Table 4.2-2119. Plant 2 and Applicable Joint Plant Estimated Maximum Daily On-Site Construction Emissions

Project	NO_x	CO	PM_{10}[a]	$PM_{2.5}$[a]
	Pounds per day			
2037				
X-030 Headworks Rehabilitation	7.32	16.04	0.09	0.09
X-031 Trickling Filter Solids-Contact Rehabilitation at Plant 2	11.76	27.45	0.16	0.16
X-052 Activated Sludge (AS) RAS/WAS/PEPS/Vaporizers Rehabilitation at Plant 2	6.86	14.83	0.09	0.09
Combined Maximum	*25.94*	*58.32*	*0.34*	*0.34*
2038				
X-030 Headworks Rehabilitation	7.32	16.04	0.09	0.09
X-031 Trickling Filter Solids-Contact Rehabilitation at Plant 2	11.76	25.85	0.15	0.15
Combined Maximum	*19.08*	*41.89*	*0.24*	*0.24*
2039				
X-030 Headworks Rehabilitation	1.60	3.63	0.02	0.02
X-031 Trickling Filter Solids-Contact Rehabilitation at Plant 2	11.12	23.76	0.14	0.14
Combined Maximum	*12.72*	*27.39*	*0.16*	*0.16*
2040				
X-031 Trickling Filter Solids-Contact Rehabilitation at Plant 2	13.62	36.36	0.20	0.20
Combined Maximum	*13.62*	*36.36*	*0.20*	*0.20*
Maximum				
Maximum Daily On-Site Emissions	**84.29**	**118.28**	**4.59**	**3.56**
SCAQMD LST	*92*	*647*	*4*	*3*
Threshold exceeded?	**No**	**No**	**Yes**	**Yes**

Notes: NO_x = oxides of nitrogen; CO = carbon monoxide; PM_{10} = coarse particulate matter; $PM_{2.5}$ = fine particulate matter; SCAQMD = South Coast Air Quality Management District; LST = localized significance threshold; RAS = return activated sludge ;PEPS = Primary Effluent Pump Station.
See Appendix D for detailed results.
[a] These estimates reflect control of fugitive dust (watering two times daily) required by SCAQMD Rule 403.

As shown in Table 4.2-2119, combined maximum emissions of Plant 2 and applicable joint plant projects would exceed the applicable LST for PM_{10} during two construction years (2022 and 2023) and exceed the LST for $PM_{2.5}$ during three construction years (2022, 2023, and 2024), primarily due to construction of P2-126 Substation and Warehouse Replacement at Plant 2 and P2-138 Operations and Maintenance Complex at Plant 2. For the remaining construction years, combined maximum on-site emissions would not exceed the applicable LST.

Table 4.2-2220 presents estimated maximum daily on-site criteria air pollutant emissions generated during construction of collection system projects. As previously explained, because the collection system projects would occur at various sites within the Sanitation District service area, each project is evaluated individually

in its potential to exceed the applicable LSTs rather than combined, as performed for the Plant 1, Plant 2, and joint plant projects, which would occur within the same area.

Table 4.2-2220. Collection System Estimated Maximum Daily On-Site Construction Emissions

Project	NO_x	CO	PM_{10}[a]	$PM_{2.5}$[a]
	Pounds per day			
2021				
7-66 Sunflower and Red Hill Interceptor Rehab/Repair	17.65	22.17	0.9	0.9
Maximum	*17.65*	*22.17*	*0.90*	*0.90*
2022				
7-68 MacArthur Dual Force Main Improvements	19.21	45.96	0.65	0.62
5-68 Newport Beach Pump Station Odor Control	19.23	22.69	1.01	0.99
7-65 Gisler – Red Hill Interceptor Rehabilitation	17.65	22.17	0.90	0.90
7-67 Main Street P5 Force Main Rehabilitation	11.79	14.82	0.61	0.61
Maximum	*19.23*	*45.96*	*1.01*	*0.99*
2023				
X-078 Air Jumper Additions and Rehabilitation	8.91	12.17	0.45	0.45
7-68 MacArthur Dual Force Main Improvements	19.21	45.96	0.65	0.62
5-68 Newport Beach Pump Station Odor Control Improvements	17.86	22.58	0.88	0.86
7-65 Gisler – Red Hill Interceptor Rehabilitation	2.72	3.67	0.13	0.13
7-67 Main Street P5 Force Main Rehabilitation	10.94	14.79	0.53	0.53
X-076 Santa Ana Trunk Sewer Rehabilitation Phase II	16.37	22.13	0.78	0.78
Maximum	*19.21*	*45.96*	*0.88*	*0.86*
2024				
X-078 Air Jumper Additions and Rehabilitation	8.91	12.17	0.45	0.45
2-73 Yorba Linda Pump Station Abandonment	17.51	16.36	0.82	0.74
X-060 Newhope Placentia Chemical Dosing Station	27.60	36.38	1.19	1.17
X-076 Santa Ana Trunk Sewer Rehabilitation Phase II	15.34	22.10	0.68	0.68
X-082 North Trunk Improvement Project	15.11	23.74	0.73	0.70
Maximum	*27.60*	*36.38*	*1.19*	*1.17*
2025				
X-078 Air Jumper Additions and Rehabilitation	8.91	12.17	0.45	0.45

Table 4.2-2220. Collection System Estimated Maximum Daily On-Site Construction Emissions

Project	NO_x	CO	PM_{10}[a]	$PM_{2.5}$[a]
	Pounds per day			
2-73 Yorba Linda Pump Station Abandonment	16.12	16.17	0.72	0.65
X-076 Santa Ana Trunk Sewer Rehabilitation Phase II	2.40	3.66	0.10	0.10
X-082 North Trunk Improvement Project	2.40	3.66	0.10	0.10
X-083 Greenville–Sullivan (Santa Ana) Sewer upsize from 24 to 27 inch (14,460 feet)	13.89	23.68	0.64	0.60
Maximum	*16.12*	*23.68*	*0.72*	*0.65*
2026				
X-078 Air Jumper Additions and Rehabilitation	8.91	12.17	0.45	0.45
11-33 Edinger Pumping Station Replacement	9.08	11.04	0.39	0.36
X-083 Greenville–Sullivan (Santa Ana) Sewer upsize from 24 to 27 inch (14,460 feet)	5.82	9.70	0.28	0.26
Maximum	*9.08*	*12.17*	*0.45*	*0.45*
2027				
X-078 Air Jumper Additions and Rehabilitation	8.91	12.17	0.45	0.45
11-33 Edinger Pumping Station Replacement	16.64	25.43	0.66	0.65
X-026 College Avenue Force Main Rehabilitation	10.33	24.74	0.32	0.32
Maximum	*16.64*	*25.43*	*0.66*	*0.65*
2028				
X-078 Air Jumper Additions and Rehabilitation	8.91	12.17	0.45	0.45
11-33 Edinger Pumping Station Replacement	16.64	25.43	0.66	0.65
X-026 College Avenue Force Main Rehabilitation	10.33	24.74	0.32	0.32
2-49 Taft Branch (City of Orange) Sewer Upsize	14.26	23.99	0.65	0.61
Maximum	*16.64*	*25.43*	*0.66*	*0.65*
2029				
X-078 Air Jumper Additions and Rehabilitation	8.91	12.17	0.45	0.45
X-063 South Santa Ana River Interceptor Connector Rehabilitation	13.89	23.68	0.63	0.60
Maximum	*13.89*	*23.68*	*0.63*	*0.60*
2030				
X-078 Air Jumper Additions and Rehabilitation	8.91	12.17	0.45	0.45
X-071 Edinger / Springdale Trunk Sewer Rehabilitation	10.33	24.74	0.32	0.32
Maximum	*10.33*	*24.74*	*0.45*	*0.45*

Table 4.2-2220. Collection System Estimated Maximum Daily On-Site Construction Emissions

Project	NO_x	CO	PM_{10}[a]	$PM_{2.5}$[a]
	Pounds per day			
2031				
X-078 Air Jumper Additions and Rehabilitation	8.91	12.17	0.45	0.45
X-071 Edinger / Springdale Trunk Sewer Rehabilitation	7.25	14.65	0.19	0.19
7-63 MacArthur Pump Station Rehabilitation	19.21	45.96	0.65	0.62
X-065 Tustin-Orange Interceptor Sewer at Reach 17 Rehabilitation	10.33	24.74	0.32	0.32
X-023 Lido Pump Station Rehabilitation	11.79	14.82	0.61	0.61
11-34 Slater Avenue Pump Station Rehabilitation	11.79	14.82	0.61	0.61
7-64 Main Street Pump Station Rehabilitation	11.79	14.82	0.61	0.61
Maximum	*19.21*	*45.96*	*0.65*	*0.62*
2032				
X-078 Air Jumper Additions and Rehabilitation	8.91	12.17	0.45	0.45
7-63 MacArthur Pump Station Rehabilitation	19.21	45.96	0.65	0.62
X-065 Tustin-Orange Interceptor Sewer at Reach 17 Rehabilitation	10.33	24.74	0.32	0.32
X-023 Lido Pump Station Rehabilitation	11.79	14.82	0.61	0.61
11-34 Slater Avenue Pump Station Rehabilitation	11.79	14.82	0.61	0.61
7-64 Main Street Pump Station Rehabilitation	11.79	14.82	0.61	0.61
Maximum	*19.21*	*45.96*	*0.65*	*0.62*
2033				
X-078 Air Jumper Additions and Rehabilitation	8.91	12.17	0.45	0.45
3-67 Seal Beach Pump Station Replacement	11.89	23.49	2.87	1.65
3-68 Los Alamitos Sub-Trunk Extension	10.48	21.16	0.37	0.28
11-34 Slater Avenue Pump Station Rehabilitation	11.79	14.82	0.61	0.61
7-64 Main Street Pump Station Rehabilitation	11.79	14.82	0.61	0.61
X-084 Tustin Avenue Sewer Relief	10.33	24.74	0.32	0.32
Maximum	*11.89*	*24.74*	*2.87*	*1.65*
2034				
3-67 Seal Beach Pump Station Replacement	0.00	0.00	0.00	0.00
X-066 Tustin-Orange Interceptor Sewer at Reach 18 Rehabilitation	10.33	24.74	0.32	0.32
X-086 Santa Ana River Sewer Relief	10.33	24.74	0.33	0.32

Table 4.2-2220. Collection System Estimated Maximum Daily On-Site Construction Emissions

Project	NO_x	CO	PM_{10}[a]	$PM_{2.5}$[a]
	Pounds per day			
X-067 (X-085) Hoover-Western Sub-Trunks Sewer Rehabilitation	19.21	45.96	0.65	0.62
Maximum	*19.21*	*45.96*	*0.65*	*0.62*
2035				
X-086 Santa Ana River Sewer Relief	8.43	24.71	0.19	0.18
X-067 (X-085) Hoover-Western Sub-Trunks Sewer Rehabilitation	19.21	45.96	0.65	0.62
Maximum	*19.21*	*45.96*	*0.65*	*0.62*
2036				
X-040 College Avenue Pump Station Replacement	6.19	13.64	0.08	0.08
X-061 Imperial Highway Relief Interceptor Rehabilitation	19.21	45.96	0.65	0.62
X-022 15th Street Pump Station Rehabilitation	11.79	14.82	0.61	0.61
X-041 A Street Pump Station Rehabilitation	11.79	14.82	0.61	0.61
X-024 Rocky Point Pump Station Rehabilitation	9.71	22.75	0.14	0.14
Maximum	*19.21*	*45.96*	*0.65*	*0.62*
2037				
X-040 College Avenue Pump Station Replacement	9.71	22.75	0.14	0.14
X-061 Imperial Highway Relief Interceptor Rehabilitation	19.21	45.96	0.65	0.62
X-068 North Trunk Rehabilitation	10.33	24.74	0.32	0.32
X-022 15th Street Pump Station Rehabilitation	11.79	14.82	0.61	0.61
X-041 A Street Pump Station Rehabilitation	11.79	14.82	0.61	0.61
5-66 Crystal Cove Pumping Station Upgrade and Rehabilitation	11.79	14.82	0.61	0.61
X-024 Rocky Point Pump Station Rehabilitation	9.71	22.75	0.14	0.14
X-025 Bitter Point Pump Station Rehabilitation	9.71	22.75	0.14	0.14
Maximum	*19.21*	*45.96*	*0.65*	*0.62*
2038				
5-66 Crystal Cove Pumping Station Upgrade and Rehabilitation	11.79	14.82	0.61	0.61
X-025 Bitter Point Pump Station Rehabilitation	9.71	22.75	0.14	0.14
Maximum	*11.79*	*22.75*	*0.61*	*0.61*

Table 4.2-2220. Collection System Estimated Maximum Daily On-Site Construction Emissions

Project	NO_x	CO	PM_{10}[a]	$PM_{2.5}$[a]
	Pounds per day			
Maximum				
Maximum Daily On-Site Emissions	27.60	45.96	2.87	1.65
SCAQMD LST	*81*	*647*	*4*	*3*
Threshold exceeded?	No	No	No	No

Notes: NO_x = oxides of nitrogen; CO = carbon monoxide; PM_{10} = coarse particulate matter; $PM_{2.5}$ = fine particulate matter; SCAQMD = South Coast Air Quality Management District; LST = localized significance threshold.
See Appendix D for detailed results.
[a] These estimates reflect control of fugitive dust (watering two times daily) required by SCAQMD Rule 403.

As shown in Table 4.2-2220, no collection system project would exceed the applicable LST.

Summary

As shown in Table 4.2-2018, Plant 1 and Applicable Joint Plant Estimated Maximum Daily On-Site Construction Emissions, the combined maximum emissions from Plant 1 and applicable joint plant projects would exceed the LST for PM_{10} during two construction years (2024 and 2025), and would exceed the LST for $PM_{2.5}$ during three construction years (2024, 2025, and 2026); NO_x and CO LSTs would not be exceeded during all construction years. As shown in Table 4.2-2119, Plant 2 and Applicable Joint Plant Estimated Maximum Daily On-Site Construction Emissions, combined maximum emissions of Plant 2 and applicable joint plant projects would exceed the applicable LST for PM_{10} during two construction years (2022 and 2023) and exceed the LST for $PM_{2.5}$ during three construction years (2022, 2023, and 2024), primarily due to construction of P2-126 Substation and Warehouse Replacement at Plant 2 and P2-138 Operations and Maintenance Complex at Plant 2. For the remaining construction years, combined maximum on-site emissions would not exceed the applicable LST. As shown in Table 4.2-2220, Collection System Estimated Maximum Daily On-Site Construction Emissions, no collection system project would exceed the applicable LST. Due to the exceedance of the PM_{10} and $PM_{2.5}$ LSTs at Plant 1 and Plant 2, the proposed project would result in a potentially significant LST impact and **MM-AQ-1** would be required.

MM-AQ-1 would be implemented to reduce on-site emissions of PM_{10} and $PM_{2.5}$, specifically from on-site construction equipment. No collection system project would exceed the applicable LST. Only the years that exceeded the LST under unmitigated conditions are presented in Tables 4.2-2321 and 4.2-2422, which present mitigated on-site emissions for Plant 1 and applicable joint plant projects, and for Plant 2 and applicable joint plant projects, respectively. For all other construction years, on-site emissions would not exceed the applicable LST under unmitigated conditions.

Table 4.2-2321. Plant 1 and Applicable Joint Plant Estimated Maximum Daily On-Site Construction Emissions – Mitigated

Project	NO_x	CO	PM_{10}[a]	$PM_{2.5}$[a]
	Pounds per day			
2024				
P1-126 Primary Clarifiers Replacements and Improvements	5.36	41.22	0.56	0.18

Table 4.2-2321. Plant 1 and Applicable Joint Plant Estimated Maximum Daily On-Site Construction Emissions – Mitigated

Project	NO_x	CO	PM_{10}[a]	$PM_{2.5}$[a]
	Pounds per day			
X-090 Network, Telecommunications, and Service Relocation	0.61	7.85	0.36	0.20
J-98 Plantwide Miscellaneous Electrical Power Distribution System Improvements (Replacement)	1.14	16.23	0.04	0.04
J-120 Plantwide Miscellaneous Process Control Systems Upgrades	1.14	16.23	0.04	0.04
J-133 Laboratory Rehabilitation at Plant 1	3.31	9.43	2.75	1.52
Combined Maximum	*11.56*	*90.96*	*3.75*	*1.98*
2025				
P1-126 Primary Clarifiers Replacements and Improvements	5.28	28.59	0.17	0.17
X-093 Administrative Facilities and Power Building 3A Demolition	1.49	17.72	0.40	0.10
X-077 Switchgear Replacement at Central Generation	0.67	8.11	0.02	0.02
J-98 Plantwide Miscellaneous Electrical Power Distribution System Improvements (Replacement)	1.14	16.23	0.04	0.04
J-120 Plantwide Miscellaneous Process Control Systems Upgrades	1.14	16.23	0.04	0.04
J-133 Laboratory Rehabilitation at Plant 1	3.24	11.20	0.91	0.16
X-057 (Yard Structures), X-058 (Yard Piping), X-059 (Tunnels) Plantwide Miscellaneous Rehabilitation and Replacement	18.29	27.62	0.76	0.76
Combined Maximum	*31.25*	*125.70*	*2.34*	*1.29*
2026				
P1-126 Primary Clarifiers Replacements and Improvements	5.28	28.59	0.17	0.17
X-093 Administrative Facilities and Power Building 3A Demolition	1.49	17.72	0.40	0.10
X-092 Standby Generator Feeders for Plant 1 Secondary Systems	3.04	11.92	0.07	0.07
J-98 Plantwide Miscellaneous Electrical Power Distribution System Improvements (Replacement)	1.14	16.23	0.04	0.04
J-120 Plantwide Miscellaneous Process Control Systems Upgrades	1.14	16.23	0.04	0.04
X-057 (Yard Structures), X-058 (Yard Piping), X-059 (Tunnels) Plantwide Miscellaneous Rehabilitation and Replacement	18.29	27.62	0.76	0.76
Combined Maximum	*30.38*	*118.31*	*1.48*	*1.18*

Table 4.2-2321. Plant 1 and Applicable Joint Plant Estimated Maximum Daily On-Site Construction Emissions – Mitigated

Project	NO_x	CO	PM_{10}[a]	$PM_{2.5}$[a]
	Pounds per day			
Maximum				
Maximum Daily On-Site Emissions	31.25	125.70	3.75	1.98
SCAQMD LST	*92*	*647*	*4*	*3*
Threshold exceeded?	No	No	No	No

Notes: NO_x = oxides of nitrogen; CO = carbon monoxide; PM_{10} = coarse particulate matter; $PM_{2.5}$ = fine particulate matter; SCAQMD = South Coast Air Quality Management District; LST = localized significance threshold.
See Appendix D for detailed results.
Emissions shown represent the maximum emissions during summer or winter as estimated in CalEEMod.
Estimated emissions include Tier 4 Final equipment for all equipment over 50 horsepower (MM-AQ-1). When applying the engine tier mitigation in CalEEMod, CalEEMod assumes the diesel engine emission standards set for that selected tier and engine power class for CO, non-methane hydrocarbons (VOC), NO_x and PM. The CO standard for Tier 4 Final is higher than what is typically observed when using non-tiered equipment, resulting in higher estimated mitigated CO emissions than unmitigated emissions in some years.
[a] These estimates reflect control of fugitive dust (watering two times daily) required by SCAQMD Rule 403.

As shown in Table 4.2-2321, with **MM-AQ-1**, project-generated on-site emissions of from Plant 1 and applicable joint plant projects in 2024, 2025, and 2026 would be below all applicable LSTs, including the LSTs for PM_{10} and $PM_{2.5}$.

Table 4.2-2422. Plant 2 and Applicable Joint Plant Estimated Maximum Daily On-Site Construction Emissions – Mitigated

Project	NO_x	CO	PM_{10}[a]	$PM_{2.5}$[a]
	Pounds per day			
2022				
P2-126 Substation and Warehouse Replacement at Plant 2	6.08	34.82	2.75	1.52
P2-138 Operations and Maintenance Complex at Plant 2	5.55	54.91	0.30	0.19
Combined Maximum	*11.63*	*89.73*	*3.05*	*1.71*
2023				
P2-126 Substation and Warehouse Replacement at Plant 2	13.04	74.89	2.85	1.63
Combined Maximum	*13.04*	*74.89*	*2.85*	*1.63*
2024				
P2-126 Substation and Warehouse Replacement at Plant 2	14.04	86.64	0.36	0.24
X-050 Activated Sludge (AS) Aeration Basin at Plant 2	2.97	25.14	0.07	0.07
J-120 Plantwide Miscellaneous Process Control Systems Upgrades	1.14	16.23	0.04	0.04
Combined Maximum	*18.15*	*128.01*	*0.47*	*0.35*

Table 4.2-2422. Plant 2 and Applicable Joint Plant Estimated Maximum Daily On-Site Construction Emissions – Mitigated

Project	NO_x	CO	PM_{10}[a]	$PM_{2.5}$[a]
	Pounds per day			
Maximum				
Maximum Daily On-Site Emissions	18.15	128.01	3.05	1.71
SCAQMD LST	*92*	*647*	*4*	*3*
Threshold exceeded?	No	No	No	No

Notes: NO_x = oxides of nitrogen; CO = carbon monoxide; PM_{10} = coarse particulate matter; $PM_{2.5}$ = fine particulate matter; SCAQMD = South Coast Air Quality Management District; LST = localized significance threshold.
See Appendix D for detailed results.
Emissions shown represent the maximum emissions during summer or winter as estimated in CalEEMod.
Estimated emissions include Tier 4 Final equipment for all equipment over 50 horsepower (MM-AQ-1). When applying the engine tier mitigation in CalEEMod, CalEEMod assumes the diesel engine emission standards set for that selected tier and engine power class for CO, non-methane hydrocarbons (VOC), NO_x and PM. The CO standard for Tier 4 Final is higher than what is typically observed when using non-tiered equipment, resulting in higher estimated mitigated CO emissions than unmitigated emissions in some years.
[a] These estimates reflect control of fugitive dust (watering two times daily) required by SCAQMD Rule 403.

As shown in Table 4.2-2422, with **MM-AQ-1**, project-generated on-site emissions of from Plant 2 and applicable joint plant projects in 2022, 2023, and 2024 would be below all applicable LSTs, including the LSTs for PM_{10} and $PM_{2.5}$.

Accordingly, with the implementation of **MM-AQ-1**, the project would result in an LST impact that is less than significant.

Carbon Monoxide Hotspots

Mobile source impacts occur on two scales. Regionally, project-related travel would add to regional trip generation and increase the vehicle miles traveled within the local airshed and the SCAB. Locally, traffic generated by the project would be added to the local roadway system near the project sites. If such traffic occurs during periods of poor atmospheric ventilation, is composed of a large number of vehicles cold-started and operating at pollution-inefficient speeds, and is operating on roadways already crowded with non-proposed project traffic, there is a potential for the formation of microscale CO hotspots in the area immediately around points of congested traffic. Because of continued improvement in vehicular emissions at a rate faster than the rate of vehicle growth and/or congestion, the potential for CO hotspots in the SCAB is steadily decreasing.

At the time that the SCAQMD Handbook (1993) was published, the SCAB was designated nonattainment under the CAAQS and NAAQS for CO. In 2007, the SCAQMD was designated in attainment for CO under both the CAAQS and NAAQS as a result of the steady decline in CO concentrations in the SCAB due to turnover of older vehicles, introduction of cleaner fuels, and implementation of control technology on industrial facilities. The SCAQMD conducted CO modeling for the 2003 AQMP[12] (SCAQMD 2003b) for the four worst-case intersections in the SCAB: (1) Wilshire Boulevard and Veteran Avenue, (2) Sunset Boulevard and Highland Avenue, (3) La Cienega Boulevard and Century Boulevard, and (4) Long Beach Boulevard and Imperial Highway. At the time the 2003 AQMP was prepared, the intersection of Wilshire Boulevard and Veteran Avenue was the most congested intersection in Los Angeles County, with an average daily traffic

[12] SCAQMD's CO hotspot modeling guidance has not changed since 2003.

volume of about 100,000 vehicles per day. Using CO emission factors for 2002, the peak modeled CO 1-hour concentration was estimated to be 4.6 ppm at the intersection of Wilshire Boulevard and Veteran Avenue. When added to the maximum 1-hour CO concentration from 2016 through 2018 at the West Vermont Street monitoring station (see Table 4.2-3, Local Ambient Air Quality Data), which was 3.7 ppm in 2016, the 1-hour CO would be 8.3 ppm, while the CAAQS is 20 ppm.

The 2003 AQMP also projected 8-hour CO concentrations at these four intersections for 1997 and from 2002 through 2005. From years 2002 through 2005, the maximum 8-hour CO concentration was 3.8 ppm at the Sunset Boulevard and Highland Avenue intersection in 2002; the maximum 8-hour CO concentration was 3.4 ppm at the Wilshire Boulevard and Veteran Avenue in 2002. Adding the 3.8 ppm to the maximum 8-hour CO concentration from 2016 through 2018 at the West Vermont Street monitoring station (see Table 4.2-3), which was 2.6 ppm in 2017, the 8-hour CO would be 6.4 ppm, while the CAAQS is 9.0 ppm.

Accordingly, CO concentrations at congested intersections would not exceed the 1-hour or 8-hour CO CAAQS unless projected daily traffic would be at least over 100,000 vehicles per day. Because the proposed project would not increase daily traffic volumes at any study intersection to more than 100,000 vehicles per day (see Section 4.13, Transportation), a CO hotspot is not anticipated to occur and associated impacts would be less than significant. As such, potential project-generated impacts associated with CO hotspots would be less than significant.

Toxic Air Contaminants (Health Risk Assessment)

~~*Construction*~~

In addition to impacts from criteria pollutants, certain projects may include emissions of pollutants identified by the state and federal government as TACs or hazardous air pollutants. State law has established the framework for California's TAC identification and control project, which is generally more stringent than the federal project, and is aimed at TACs that are a problem in California. The state has formally identified more than 200 substances as TACs, including the federal hazardous air pollutants, and is adopting appropriate control measures for sources of these TACs.

"Incremental cancer risk" is the net increased likelihood that a person continuously exposed to concentrations of TACs resulting from a project over a 9-, 30-, and 70-year exposure period would contract cancer based on the use of standard OEHHA risk-assessment methodology (OEHHA 2015). In addition, some TACs have noncarcinogenic effects.

Construction

TACs that would potentially be emitted during construction activities would be DPM emitted from heavy-duty construction equipment and heavy-duty trucks. Heavy-duty construction equipment and diesel trucks are subject to CARB Airborne Toxic Control Measures to reduce DPM emissions. According to the OEHHA, HRAs should be based on a 30-year exposure duration based on typical residency period; however, such assessments should be limited to the period/duration of activities associated with the project (OEHHA 2015). After proposed construction is completed, there would be no long-term source of TAC emissions during operation.

However, as a precautionary measure, an HRA for Plant 1, Plant 2, and joint plant projects was performed to evaluate the risk from diesel exhaust emissions on existing sensitive receptors from construction activities. As explained previously, collection system projects are not anticipated to require intensive construction activities or occur over a long period of time, and based on the anticipated duration of construction, the intensity of construction, and the location of nearby sensitive receptors, the Plant 1 and Plant 2, plus joint plant projects, represent the maximum condition for the construction HRA. The HRA methodology was described in Section 4.2.3.2, and the detailed assessment is provided in Appendix D. Table 4.2-25~~23~~ summarizes the results of the HRA for project construction.

Table 4.2-25~~23~~. Project Construction Health Risk – Unmitigated

Receptor	Cancer Risk (persons per million)	Chronic Impact
Maximally Exposed Individual Resident[1]	46.2	0.01
SCAQMD Significance Criteria	10	1.0
Exceed Threshold?	**Yes**	**No**

Source: Appendix D.
Notes: SCAQMD = South Coast Air Quality Management District; TAC = toxic air contaminant; AERMOD = American Meteorological Society/Environmental Protection Agency Regulatory Model; HARP2 = Hotspots Analysis and Reporting Program Version 2.
TAC exposure at receptors modeled with AERMOD, which were then input into HARP2 to generate health risk estimates. Exposure was assumed to begin in the third trimester of pregnancy for a duration of 20 years.
1 The maximally exposed individual resident for annual cancer and chronic health risk impacts is located west of the Plant 2 site at UTM coordinates 411227.04 meters Easting/3723000.34 meters Northing

As shown in Table 4.2-25~~23~~, the incremental cancer risk at the maximally exposed individual resident of 46.2 in 1 million (assuming exposure starts in third trimester of pregnancy) from proposed project construction would exceed the SCAQMD threshold of 10 in 1 million without mitigation. As such, impacts would be potentially significant and **MM-AQ-1** is required.

Regarding the construction HRA, **MM-AQ-1** would also be implemented to reduce project-generated exhaust PM_{10} (DPM) emissions. The maximally exposed receptor would be the nearest existing residence to the west of the Plant 2 site. Potential health risk at the maximally exposed individual resident resulting from proposed construction activities with incorporation of **MM-AQ-1** is shown in Table 4.2-26~~24~~. As previously discussed, this is highly conservative, as the highest year of emissions was applied to the entire exposure duration.

Table 4.2-26~~24~~. Project Construction Health Risk – Mitigated

Receptor	Cancer Risk (persons per million)	Chronic Impact
Maximally Exposed Individual Resident[1,2]	7.3	0.002
SCAQMD Significance Criteria	10	1.0
Exceed Threshold?	**No**	**No**

Source: Appendix D.
Notes: SCAQMD = South Coast Air Quality Management District; TAC = toxic air contaminant.
TAC exposure at receptors modeled with AERMOD, which were then input into HARP2 to generate health risk estimates. Exposure was assumed to begin in the third trimester of pregnancy for a duration of 20 years.
1 The maximally exposed individual resident for annual cancer and chronic health risk impacts is located west of the Plant 2 site at UTM coordinates 411227.04 meter Easting / 3723000.34 meters Northing
2 Mitigated emissions include implementation of MM-AQ-1.

As shown in Table 4.2-2624, with incorporation of higher-tier engines during construction, as included in **MM-AQ-1**, the proposed project would result in an incremental cancer risk of 7.3 in 1 million. The mitigated chronic hazard index would be 0.002 at the maximally exposed individual resident, which would be below the SCAQMD threshold of 1.0. Project health risk impacts associated with construction would, thus, be less than significant with mitigation.

Operation

~~Following completion of proposed construction activities, project-related TAC emissions would cease. Health impacts associated with TACs are generally associated with long-term exposure and there are no meaningful sources of TACs for the operating phase of the project; therefore, there are no anticipated health impacts related to operational TACs. Because no operational TACs are anticipated to occur as a result of operation of the project, impacts would be less than significant.~~Testing and maintenance of the proposed permanent emergency diesel-fueled generator at the Seal Beach pump station (3-67) would generate DPM emissions, which is a TAC. The HRA methodology was described in Section 4.2.3.2, and the detailed assessment is provided in Appendix D. Table 4.2-27 summarizes the results of the HRA for project operation, which is specific to the Seal Beach pump station. The maximally exposed receptor would be the residence north of the Seal Beach pump station during operation.

Table 4.2-27. Project Operational Health Risk – Unmitigated

Receptor	Cancer Risk (persons per million)	Chronic Impact
Maximally Exposed Individual Resident[1]	0.07	0.00002
SCAQMD Significance Criteria	10	1.0
Exceed Threshold?	No	No

Source: Appendix D.
Notes: SCAQMD = South Coast Air Quality Management District; TAC = toxic air contaminant; AERMOD = American Meteorological Society/Environmental Protection Agency Regulatory Model; HARP2 = Hotspots Analysis and Reporting Program Version 2.
TAC exposure at receptors modeled with AERMOD, which were then input into HARP2 to generate health risk estimates. Exposure was assumed to begin in the third trimester of pregnancy for a duration of 30 years.
[1] The maximally exposed individual resident for annual cancer and chronic health risk impacts is located north of the project site at UTM coordinates 400163.06 meters Easting / 3736411.95 meters Northing.

The incremental cancer risk at the maximally exposed individual resident of 0.07 in 1 million and chronic hazard index of 0.00002 would not exceed SCAQMD significance thresholds from project operation. The project health risk impacts associated with operation would, thus, be less than significant without mitigation.

Health Effects of Criteria Air Pollutants

Construction emissions of the proposed project would exceed the SCAQMD threshold for NO_x; for all other criteria air pollutants, including VOC, CO, SO_x, PM_{10}, and $PM_{2.5}$, construction emissions would not exceed relevant thresholds. The proposed project is not anticipated to result in a net increase in operational emissions.

As discussed in Section 4.2.1 under the heading "Pollutants and Effects," health effects associated with O_3 include respiratory symptoms, worsening of lung disease leading to premature death, and damage to lung tissue (CARB 2019b). VOCs and NO_x are precursors to O_3, for which the SCAB is designated as nonattainment with respect to the NAAQS and CAAQS. The contribution of VOCs and NO_x to regional ambient

O_3 concentrations is the result of complex photochemistry. The increases in O_3 concentrations in the SCAB due to O_3 precursor emissions tend to be found downwind of the source location because of the time required for the photochemical reactions to occur. Further, the potential for exacerbating excessive O_3 concentrations would also depend on the time of year that the VOC emissions would occur, because exceedances of the O_3 NAAQS and CAAQS tend to occur between April and October when solar radiation is highest. Due to the lack of quantitative methods to assess this complex photochemistry, the holistic effect of a single project's emissions of O_3 precursors is speculative. That being said, because the proposed project would exceed the SCAQMD NO_x threshold during project construction, the project could contribute to health effects associated with O_3.

Health effects associated with NO_x and NO_2 include lung irritation and enhanced allergic responses (see Section 4.2.1.2) (CARB 2019b). Although project-related NO_x emissions would exceed the SCAQMD construction mass daily thresholds, because the SCAB is a designated attainment area for NO_2 (and NO_2 is a constituent of NO_x) and the existing NO_2 concentrations in the area are well below the NAAQS and CAAQS standards,[13] it is not anticipated that the project would cause an exceedance of the NAAQS and CAAQS for NO_2 or result in potential health effects associated with NO_2 and NO_x. Nonetheless, because the proposed project would exceed the SCAQMD NO_x threshold during project construction, the project could contribute to health effects associated with NO_x and NO_2.

Health effects associated with CO include chest pain in patients with heart disease, headache, light-headedness, and reduced mental alertness (see Section 4.2.1.2) (CARB 2019b). CO tends to be a localized impact associated with congested intersections. The potential for CO hotspots was previously discussed and determined to be less than significant. Thus, the proposed project's CO emissions would not contribute to significant health effects associated with CO.

Health effects associated with PM_{10} include premature death and hospitalization, primarily for worsening of respiratory disease (see Section 4.2.1.2) (CARB 2019b). Construction of the proposed project would not exceed mass daily thresholds for PM_{10} or $PM_{2.5}$, would not contribute to exceedances of the NAAQS and CAAQS for particulate matter, and would not obstruct the SCAB from coming into attainment for these pollutants. Additionally, the project would be required to comply with SCAQMD Rule 403, which limits the amount of fugitive dust generated during construction. Because the proposed project would not exceed the SCAQMD mass daily construction thresholds for PM_{10} and $PM_{2.5}$, the project is not anticipated to result in health effects associated with PM_{10} or $PM_{2.5}$.

In summary, construction and operation of the proposed project would not result in exceedances of the SCAQMD significance thresholds for VOC, CO, SO_x, PM_{10}, and $PM_{2.5}$; however, because the project would exceed the SCAQMD construction threshold for NO_x, potential health effects associated with O_3 and NO_x are potentially significant and **MM-AQ-1** is required.

As shown in Table 4.2-1917, with implementation of **MM-AQ-1** project-generated construction emissions are less than the SCAQMD mass daily thresholds for all pollutants; therefore, impacts would be less than significant with mitigation.

The California Supreme Court's *Sierra Club v. County of Fresno* (2018) 6 Cal. 5th 502 decision (referred to herein as the Friant Ranch decision) (issued on December 24, 2018), addresses the need to correlate mass emission

[13] See Table 4.2-3, which shows that ambient concentrations of NO_2 at the West Vermont Street monitoring station have not exceeded the NAAQS or CAAQS between 2016 and 2018.

values for criteria air pollutants to specific health consequences, and contains the following direction from the California Supreme Court: "The Environmental Impact Report (EIR) must provide an adequate analysis to inform the public how its bare numbers translate to create potential adverse impacts or it must explain what the agency *does* know and why, given existing scientific constraints, it cannot translate potential health impacts further." (Italics original.) (Sierra Club v. County of Fresno 2018.) Currently, SCAQMD, CARB, and EPA have not approved a quantitative method to reliably, meaningfully, and consistently translate the mass emission estimates for the criteria air pollutants resulting from the proposed project to specific health effects. In addition, there are numerous scientific and technological complexities associated with correlating criteria air pollutant emissions from an individual project to specific health effects or potential additional nonattainment days.

In connection with the judicial proceedings culminating in issuance of the Friant Ranch decision, the SCAQMD and the San Joaquin Valley Air Pollution Control District (SJVAPCD) filed amicus briefs attesting to the extreme difficulty of correlating an individual project's criteria air pollutant emissions to specific health impacts. Both SJVAPCD and SCAQMD have among the most sophisticated air quality modeling and health impact evaluation capabilities of the air districts in California. The key, relevant points from SCAQMD and SJVAPCD briefs is summarized herein.

In requiring a health impact type of analysis for criteria air pollutants, it is important to understand how O_3 and PM is formed, dispersed and regulated. The formation of O_3 and PM in the atmosphere, as secondary pollutants,[14] involves complex chemical and physical interactions of multiple pollutants from natural and anthropogenic sources. The O_3 reaction is self-perpetuating (or catalytic) in the presence of sunlight because NO_2 is photochemically reformed from nitric oxide (NO). In this way, O_3 is controlled by both NO_x and VOC emissions (NRC 2005). The complexity of these interacting cycles of pollutants means that incremental decreases in one emission may not result in proportional decreases in O_3 (NRC 2005). Although these reactions and interactions are well understood, variability in emission source operations and meteorology creates uncertainty in the modeled O_3 concentrations to which downwind populations may be exposed (NRC 2005). Once formed, O_3 can be transported long distances by wind and due to atmospheric transport, contributions of precursors from the surrounding region can also be important (EPA 2008). Because of the complexity of O_3 formation, a specific tonnage amount of VOCs or NO_X emitted in a particular area does not equate to a particular concentration of O_3 in that area (SJVAPCD 2015). PM can be divided into two categories: directly emitted PM and secondary PM. Secondary PM, like O_3, is formed via complex chemical reactions in the atmosphere between precursor chemicals such as SO_x and NO_x (SJVAPCD 2015). Because of the complexity of secondary PM formation, including the potential to be transported long distances by wind, the tonnage of PM-forming precursor emissions in an area does not necessarily result in an equivalent concentration of secondary PM in that area (SJVAPCD 2015). This is especially true for individual projects, like the proposed project, where project-generated criteria air pollutant emissions are not derived from a single "point source," but from construction equipment and mobile sources (passenger cars and trucks) driving to, from and around the FMP project sites.

Another important technical nuance is that health effects from air pollutants are related to the concentration of the air pollutant that an individual is exposed to, not necessarily the individual mass quantity of emissions associated with an individual project. For example, health effects from O_3 are correlated with increases in the ambient level of O_3 in the air a person breathes (SCAQMD 2015). However, it takes a large amount of additional precursor emissions to cause a modeled increase in ambient O_3 levels over an entire region (SCAQMD 2015). The lack of link between the tonnage of precursor pollutants and the concentration of O_3 and $PM_{2.5}$ formed is important because it is not necessarily the tonnage of precursor

[14] Air pollutants formed through chemical reactions in the atmosphere are referred to as secondary pollutants.

pollutants that causes human health effects; rather, it is the concentration of resulting O_3 that causes these effects (SJVAPCD 2015). Indeed, the ambient air quality standards, which are statutorily required to be set by EPA at levels that are requisite to protect the public health, are established as concentrations of O_3 and $PM_{2.5}$ and not as tonnages of their precursor pollutants (EPA 2018b). Because the ambient air quality standards are focused on achieving a particular concentration region-wide, the tools and plans for attaining the ambient air quality standards are regional in nature. For CEQA analyses, project-generated emissions are typically estimated in pounds per day or tons per year and compared to mass daily or annual emission thresholds. While CEQA thresholds are established at levels that the air basin can accommodate without affecting the attainment date for the AAQS, even if a project exceeds established CEQA significance thresholds, this does not mean that one can easily determine the concentration of O_3 or PM that will be created at or near the project site on a particular day or month of the year, or what specific health impacts will occur (SJVAPCD 2015).

In regard to regional concentrations and air basin attainment, the San Joaquin Valley Air Pollution Control District (SJVAPCD) emphasized that attempting to identify a change in background pollutant concentrations that can be attributed to a single project, even one as large as the entire Friant Ranch Specific Plan, is a theoretical exercise. The SJVAPCD brief noted that it "would be extremely difficult to model the impact on NAAQS attainment that the emissions from the Friant Ranch project may have" (SJVAPCD 2015). The situation is further complicated by the fact that background concentrations of regional pollutants are not uniform either temporally or geographically throughout an air basin, but are constantly fluctuating based upon meteorology and other environmental factors. SJVAPCD noted that the currently available modeling tools are equipped to model the impact of all emission sources in the San Joaquin Valley Air Basin on attainment (SJVAPCD 2015). The SJVAPCD brief then indicated that, "Running the photochemical grid model used for predicting O_3 attainment with the emissions solely from the Friant Ranch project (which equate to less than one-tenth of one percent of the total NO_x and VOC in the Valley) is not likely to yield valid information given the relative scale involved" (SJVAPCD 2015).

SCAQMD and SJVAPCD have indicated that it is not feasible to quantify project-level health impacts based on existing modeling (SCAQMD 2015; SJVAPCD 2015). Even if a metric could be calculated, it would not be reliable because the models are equipped to model the impact of all emission sources in an air basin on attainment and would likely not yield valid information or a measurable increase in O_3 concentrations sufficient to accurately quantify O_3-related health impacts for an individual project.

Nonetheless, following the Supreme Court's Friant Ranch decision, some EIRs where estimated criteria air pollutant emissions exceeded applicable air district thresholds have included a quantitative analysis of potential project-generated health effects using a combination of a regional photochemical grid model (PGM)[15] and the EPA Benefits Mapping and Analysis Program (BenMAP or BenMAP–Community Edition [CE])[16]. The publicly available health impact assessments (HIAs) typically present results in terms of an

[15] The first step in the publicly available HIAs includes running a regional PGM, such as the Community Multiscale Air Quality (CMAQ) model or the Comprehensive Air Quality Model with extensions (CAMx) to estimate the increase in concentrations of O_3 and $PM_{2.5}$ as a result of project-generated emissions of criteria and precursor pollutants. Air districts, such as the SCAQMD, use photochemical air quality models for regional air quality planning. These photochemical models are large-scale air quality models that simulate the changes of pollutant concentrations in the atmosphere using a set of mathematical equations characterizing the chemical and physical processes in the atmosphere (EPA 2017).

[16] After estimating the increase in concentrations of O_3 and $PM_{2.5}$, the second step in the five examples includes use of BenMAP or BenMAP-CE to estimate the resulting associated health effects. BenMAP estimates the number of health incidences resulting from changes in air pollution concentrations (EPA 2018c). The health impact function in BenMAP-CE incorporates four key sources of data: (i) modeled or monitored air quality changes, (ii) population, (iii) baseline incidence rates, and (iv) an effect estimate. All of the five example HIAs focused on O_3 and $PM_{2.5}$.

increase in health incidences and/or the increase in background health incidence for various health outcomes resulting from the project's estimated increase in concentrations of O_3 and $PM_{2.5}$.[17] To date, the five publicly available HIAs reviewed herein have concluded that the evaluated project's health effects associated with the estimated project-generated increase in concentrations of O_3 and $PM_{2.5}$ represent a small increase in incidences and a very small percent of the number of background incidences, indicating that these health impacts are negligible and potentially within the models' margin of error. It is also important to note that while the results of the five available HIAs conclude that the project emissions do not result in a substantial increase in health incidences, the estimated emissions and assumed toxicity is also conservatively inputted into the HIA and thus, overestimate health incidences, particularly for $PM_{2.5}$.

As explained in the SJVAPCD brief and noted previously, running the PGM used for predicting O_3 attainment with the emissions solely from an individual project like the Friant Ranch project or the proposed project is not likely to yield valid information given the relative scale involved. The five examples reviewed support the SJVAPCD's brief contention that consistent, reliable, and meaningful results may not be provided by methods applied at this time. Accordingly, additional work in the industry and more importantly, air district participation, is needed to develop a more meaningful analysis to correlate project-level mass criteria air pollutant emissions and health effects for decision makers and the public. Furthermore, at the time of writing, no HIA has concluded that health effects estimated using the PGM and BenMAP approach are substantial provided that the estimated project-generated incidences represent a very small percent of the number of background incidences, potentially within the models' margin of error.

Of importance, with **MM-AQ-1**, project-generated construction emissions are less than the SCAQMD mass daily thresholds for all pollutants and health effects associated with project-generated criteria air pollutant emissions are less than significant with mitigation.

d) Would the project result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?

Less-than-Significant Impact. The occurrence and severity of potential odor impacts depends on numerous factors. The nature, frequency, and intensity of the source; the wind speeds and direction; and the sensitivity of receiving location each contribute to the intensity of the impact. Although offensive odors seldom cause physical harm, they can be annoying and cause distress among the public and generate citizen complaints.

Odors would be potentially generated from vehicles and equipment exhaust emissions during construction of the project. Potential odors produced during construction would be attributable to concentrations of unburned hydrocarbons from tailpipes of construction equipment, architectural coatings, and asphalt pavement application. Such odors would disperse rapidly from the project site and generally occur at magnitudes that would not affect substantial numbers of people. Therefore, impacts associated with odors during construction would be less than significant. No mitigation is required.

Land uses and industrial operations associated with odor complaints include agricultural uses, wastewater treatment plants, food-processing plants, chemical plants, composting, refineries, landfills, dairies, and fiberglass molding (SCAQMD 1993). The projects addressed in this PEIR do not propose

[17] The following CEQA documents included a quantitative HIA to address Friant Ranch: (1) California State University Dominguez Hills 2018 Campus Master Plan EIR (CSU Dominguez Hills 2019), (2) March Joint Powers Association K4 Warehouse and Cactus Channel Improvements EIR (March JPA 2019), (3) Mineta San Jose Airport Amendment to the Airport Master Plan EIR (City of San Jose 2019), (4) City of Inglewood Basketball and Entertainment Center Project EIR (City of Inglewood 2019), and (5) San Diego State University Mission Valley Campus Master Plan EIR (SDSU 2019).

appreciable changes to regular operations and maintenance activity by Sanitation District personnel. In addition, the proposed project actually includes construction of odor control systems (i.e., X-014 Trickling Filter Solids - Contact Odor Control and 5-68 Newport Beach Pump Station Odor Control Improvements, as well as odor control systems at X-022 15th Street Pump Station Rehabilitation, X-023 Lido Pump Station Rehabilitation, X-024 Rocky Point Pump Station Rehabilitation, X-025 Bitter Point Pump Station Rehabilitation, X-041 A Street Pump Station Rehabilitation, and 5-66 Crystal Cove Pumping Station Upgrade and Rehabilitation). Therefore, proposed project operations would result in an odor impact that is less than significant. No mitigation is required.

4.2.5 Mitigation Measures

To reduce criteria air pollutants potentially resulting from FMP project construction, specifically mass daily NO_x emissions and associated regional air quality impacts and PM_{10} and associated LST and health risk (cancer risk) impacts, the Sanitation District shall implement **MM-AQ-1**.

MM-AQ-1 Prior to the commencement of construction activities for each project, the Orange County Sanitation District (Sanitation District) shall require its construction contractor to demonstrate that all 50-horsepower or greater diesel-powered equipment is powered with California Air Resources Board (CARB)-certified Tier 4 Final engines.

An exemption from this requirement may be granted if (1) the Sanitation District documents equipment with Tier 4 Final engines are not reasonably available, and (2) the required corresponding reductions in criteria air pollutant emissions can be achieved for the project from other combinations of construction equipment. Before an exemption may be granted, the Sanitation District's construction contractor shall: (1) demonstrate that at least two construction fleet owners/operators in Orange County were contacted and that those owners/operators confirmed Tier 4 Final equipment could not be located within Orange County during the desired construction schedule; and (2) the proposed replacement equipment has been evaluated using California Emissions Estimator Model (CalEEMod) or other industry standard emission estimation method and documentation provided to the Sanitation District to confirm that project-generated emissions do not exceed applicable South Coast Air Quality Management District (SCAQMD) mass daily thresholds, the applicable SCAQMD localized significance thresholds, or the SCAQMD carcinogenic (cancer) risk threshold.

4.2.6 Level of Significance After Mitigation

With implementation of **MM-AQ-1**, project-level and program-level impacts to air quality would be reduced to a less-than-significant level.

4.2.7 Cumulative Impacts

Cumulative impacts are discussed in detail under Section 4.2.4(b). Maximum daily emissions of NO_x, would exceed the SCAQMD mass daily construction threshold in 11 of the 20 years of construction. However, with implementation of MM-AQ-1, maximum daily NO_x emissions would be reduced below the SCAQMD mass daily construction threshold in all construction years. Therefore, cumulative construction-related impacts would be less than cumulatively considerable with mitigation incorporated. The proposed project would not result in a net increase in operational criteria air pollutant emissions and therefore, cumulative operational-related impacts would be less than cumulatively considerable.

4.2.8 Impact Summary

Table 4.2-28~~25~~ summarizes the impacts for the FMP projects assessed at the project level at Plant 1, Plant 2, joint plant projects, and collection system projects under each threshold analyzed in this PEIR section.

It is important to note that regional criteria air pollutants emissions are a cumulative impact and the total criteria air pollutant emissions generated from implementation of the project should be considered on the whole instead of at an individual project-level for the evaluation of the potential to conflict with the SCAQMD AQMP and the potential to result in cumulatively considerable net increase of nonattainment criteria pollutants as evaluated in Section 4.2.4. Accordingly, the overall impact determination for the potential for the project to conflict with the SCAQMD AQMP and the potential to result in cumulatively considerable net increase of nonattainment criteria pollutants, as evaluated for the entire project, is applied to all project components in Table 4.2-28~~25~~. Localized air quality impacts and other emissions, such as odors, can be evaluated at a project-level, as appropriate.

Table 4.2-28~~25~~. Summary of FMP Project Impacts

Project Number	Project Name	Project Type	Level of Significance Prior to Mitigation	Mitigation Measures	Level of Significance After Mitigation
Would the project conflict with or obstruct implementation of the applicable air quality plan?					
Plant 1					
P1-126	Primary Clarifiers Replacements and Improvements	Replace	Significant	MM-AQ-1	Less than Significant
X-093	Administrative Facilities and Power Building 3A Demolition	Misc. (Demo)	Significant	MM-AQ-1	Less than Significant
X-092	Standby Generator Feeders for Plant 1 Secondary Systems	Misc.	Significant	MM-AQ-1	Less than Significant
X-048	Activated Sludge (AS)-1 Aeration Basin and Blower Rehabilitation	Rehab	Significant	MM-AQ-1	Less than Significant
P1-135	Digester Ferric Piping Replacement	Replace	Significant	MM-AQ-1	Less than Significant
X-077	Switchgear Replacement at Central Generation	Replace	Significant	MM-AQ-1	Less than Significant
X-090	Network, Telecommunications, and Service Relocation at Plant 1	Misc.	Significant	MM-AQ-1	Less than Significant
Plant 2					
P2-126	Substation and Warehouse Replacement at Plant 2	Misc.	Significant	MM-AQ-1	Less than Significant
X-050	Activated Sludge (AS) Aeration Basin	Rehab	Significant	MM-AQ-1	Less than Significant
X-032	Truck Loading Facility Rehabilitation	Rehab	Significant	MM-AQ-1	Less than Significant
X-054	Waste Side-Stream Pump Station C Rehabilitation	Rehab	Significant	MM-AQ-1	Less than Significant
X-034	Sodium Bisulfite Station Replacement and Bleach Station Demolition	Replace	Significant	MM-AQ-1	Less than Significant

Table 4.2-2825. Summary of FMP Project Impacts

Project Number	Project Name	Project Type	Level of Significance Prior to Mitigation	Mitigation Measures	Level of Significance After Mitigation
P2-138	P2-138 Operations and Maintenance Complex at Plant 2	Replace	Significant	MM-AQ-1	Less than Significant
Joint Plant Projects					
J-98	Plantwide Miscellaneous Electrical Power Distribution System Improvements	Replace	Significant	MM-AQ-1	Less than Significant
J-120	Plantwide Miscellaneous Process Control System Upgrades	Replace	Significant	MM-AQ-1	Less than Significant
J-133	Laboratory Rehabilitation or Replacement at Plant 1	Rehab	Significant	MM-AQ-1	Less than Significant
X-057	Plantwide Miscellaneous Yard Structures Rehabilitation or Replacement	Misc.	Significant	MM-AQ-1	Less than Significant
X-058	Plantwide Miscellaneous Yard Piping Replacement	Replace	Significant	MM-AQ-1	Less than Significant
X-059	Plantwide Miscellaneous Tunnels Rehabilitation	Rehab	Significant	MM-AQ-1	Less than Significant
J-121	UPS System Upgrades	Replace	Significant	MM-AQ-1	Less than Significant
X-044	Steve Anderson Lift Station Rehabilitation	Rehab	Significant	MM-AQ-1	Less than Significant
Collection System Projects					
5-68	Newport Beach Pump Station Odor Control Improvements	Misc.	Significant	MM-AQ-1	Less than Significant
X-076	Santa Ana Trunk Sewer Rehabilitation Phase II	Rehab	Significant	MM-AQ-1	Less than Significant
X-082	North Trunk Improvement Project	Replace	Significant	MM-AQ-1	Less than Significant
X-060	Newhope Placentia Chemical Dosing Station	Misc.	Significant	MM-AQ-1	Less than Significant
11-33	Edinger Pumping Station Replacement	Replace	Significant	MM-AQ-1	Less than Significant
X-063	South Santa Ana River Interceptor Connector Rehabilitation	Rehab	Significant	MM-AQ-1	Less than Significant
2-73	Yorba Linda Pump Station Abandonment	Misc.	Significant	MM-AQ-1	Less than Significant
3-67	Seal Beach Pump Station Replacement	Replace	Significant	MM-AQ-1	Less than Significant
2-49	Taft Branch Sewer Improvements	Replace	Significant	MM-AQ-1	Less than Significant
X-083	Greenville–Sullivan Sewer Relief Project	Replace	Significant	MM-AQ-1	Less than Significant

Table 4.2-2825. Summary of FMP Project Impacts

Project Number	Project Name	Project Type	Level of Significance Prior to Mitigation	Mitigation Measures	Level of Significance After Mitigation
Would the project result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard?					
Plant 1					
P1-126	Primary Clarifiers Replacements and Improvements	Replace	Significant	MM-AQ-1	Less than Significant
X-093	Administrative Facilities and Power Building 3A Demolition	Misc. (Demo)	Significant	MM-AQ-1	Less than Significant
X-092	Standby Generator Feeders for Plant 1 Secondary Systems	Misc.	Significant	MM-AQ-1	Less than Significant
X-048	Activated Sludge (AS)-1 Aeration Basin and Blower Rehabilitation	Rehab	Significant	MM-AQ-1	Less than Significant
P1-135	Digester Ferric Piping Replacement	Replace	Significant	MM-AQ-1	Less than Significant
X-077	Switchgear Replacement at Central Generation	Replace	Significant	MM-AQ-1	Less than Significant
X-090	Network, Telecommunications, and Service Relocation at Plant 1	Misc.	Significant	MM-AQ-1	Less than Significant
Plant 2					
P2-126	Substation and Warehouse Replacement at Plant 2	Misc.	Significant	MM-AQ-1	Less than Significant
X-050	Activated Sludge (AS) Aeration Basin	Rehab	Significant	MM-AQ-1	Less than Significant
X-032	Truck Loading Facility Rehabilitation	Rehab	Significant	MM-AQ-1	Less than Significant
X-054	Waste Side-Stream Pump Station C Rehabilitation	Rehab	Significant	MM-AQ-1	Less than Significant
X-034	Sodium Bisulfite Station Replacement and Bleach Station Demolition	Replace	Significant	MM-AQ-1	Less than Significant
P2-138	P2-138 Operations and Maintenance Complex at Plant 2	Replace	Significant	MM-AQ-1	Less than Significant
Joint Plant Projects					
J-98	Plantwide Miscellaneous Electrical Power Distribution System Improvements	Replace	Significant	MM-AQ-1	Less than Significant
J-120	Plantwide Miscellaneous Process Control Systems Upgrades	Replace	Significant	MM-AQ-1	Less than Significant
J-133	Laboratory Rehabilitation or Replacement at Plant 1	Rehab	Significant	MM-AQ-1	Less than Significant
X-057	Plantwide Miscellaneous Yard Structures Rehabilitation or Replacement	Misc.	Significant	MM-AQ-1	Less than Significant
X-058	Plantwide Miscellaneous Yard Piping Replacement	Replace	Significant	MM-AQ-1	Less than Significant

Table 4.2-2825. Summary of FMP Project Impacts

Project Number	Project Name	Project Type	Level of Significance Prior to Mitigation	Mitigation Measures	Level of Significance After Mitigation
X-059	Plantwide Miscellaneous Tunnels Rehabilitation	Rehab	Significant	MM-AQ-1	Less than Significant
J-121	UPS System Upgrades	Replace	Significant	MM-AQ-1	Less than Significant
X-044	Steve Anderson Lift Station Rehabilitation	Rehab	Significant	MM-AQ-1	Less than Significant
Collection System Projects					
5-68	Newport Beach Pump Station Odor Control Improvements	Misc.	Significant	MM-AQ-1	Less than Significant
X-076	Santa Ana Trunk Sewer Rehabilitation Phase II	Rehab	Significant	MM-AQ-1	Less than Significant
X-082	North Trunk Improvement Project	Replace	Significant	MM-AQ-1	Less than Significant
X-060	Newhope Placentia Chemical Dosing Station	Misc.	Significant	MM-AQ-1	Less than Significant
11-33	Edinger Pumping Station Replacement	Replace	Significant	MM-AQ-1	Less than Significant
X-063	South Santa Ana River Interceptor Connector Rehabilitation	Rehab	Significant	MM-AQ-1	Less than Significant
2-73	Yorba Linda Pump Station Abandonment	Misc.	Significant	MM-AQ-1	Less than Significant
3-67	Seal Beach Pump Station Replacement	Replace	Significant	MM-AQ-1	Less than Significant
2-49	Taft Branch Sewer Improvements	Replace	Significant	MM-AQ-1	Less than Significant
X-083	Greenville–Sullivan Sewer Relief Project	Replace	Significant	MM-AQ-1	Less than Significant
Would the project expose sensitive receptors to substantial pollutant concentrations?					
Plant 1					
P1-126	Primary Clarifiers Replacements and Improvements	Replace	Significant	MM-AQ-1	Less than Significant
X-093	Administrative Facilities and Power Building 3A Demolition	Misc. (Demo)	Significant	MM-AQ-1	Less than Significant
X-092	Standby Generator Feeders for Plant 1 Secondary Systems	Misc.	Significant	MM-AQ-1	Less than Significant
X-048	Activated Sludge (AS)-1 Aeration Basin and Blower Rehabilitation	Rehab	Significant	MM-AQ-1	Less than Significant
P1-135	Digester Ferric Piping Replacement	Replace	Significant	MM-AQ-1	Less than Significant
X-077	Switchgear Replacement at Central Generation	Replace	Significant	MM-AQ-1	Less than Significant
X-090	Network, Telecommunications, and Service Relocation at Plant 1	Misc.	Significant	MM-AQ-1	Less than Significant

Table 4.2-2825. Summary of FMP Project Impacts

Project Number	Project Name	Project Type	Level of Significance Prior to Mitigation	Mitigation Measures	Level of Significance After Mitigation
Plant 2					
P2-126	Substation and Warehouse Replacement at Plant 2	Misc.	Significant	MM-AQ-1	Less than Significant
X-050	Activated Sludge (AS) Aeration Basin	Rehab	Significant	MM-AQ-1	Less than Significant
X-032	Truck Loading Facility Rehabilitation	Rehab	Significant	MM-AQ-1	Less than Significant
X-054	Waste Side-Stream Pump Station C Rehabilitation	Rehab	Significant	MM-AQ-1	Less than Significant
X-034	Sodium Bisulfite Station Replacement and Bleach Station Demolition	Replace	Significant	MM-AQ-1	Less than Significant
P2-138	P2-138 Operations and Maintenance Complex at Plant 2	Replace	Significant	MM-AQ-1	Less than Significant
Joint Plant Projects					
J-98	Plantwide Miscellaneous Electrical Power Distribution System Improvements	Replace	Significant	MM-AQ-1	Less than Significant
J-120	Plantwide Miscellaneous Process Control Systems Upgrades	Replace	Significant	MM-AQ-1	Less than Significant
J-133	Laboratory Rehabilitation or Replacement at Plant 1	Rehab	Significant	MM-AQ-1	Less than Significant
X-057	Plantwide Miscellaneous Yard Structures Rehabilitation or Replacement	Misc.	Significant	MM-AQ-1	Less than Significant
X-058	Plantwide Miscellaneous Yard Piping Replacement	Replace	Significant	MM-AQ-1	Less than Significant
X-059	Plantwide Miscellaneous Tunnels Rehabilitation	Rehab	Significant	MM-AQ-1	Less than Significant
J-121	UPS System Upgrades	Replace	Significant	MM-AQ-1	Less than Significant
X-044	Steve Anderson Lift Station Rehabilitation	Rehab	Significant	MM-AQ-1	Less than Significant
Collection System Projects					
5-68	Newport Beach Pump Station Odor Control Improvements	Misc.	Significant	MM-AQ-1	Less than Significant
X-076	Santa Ana Trunk Sewer Rehabilitation Phase II	Rehab	Significant	MM-AQ-1	Less than Significant
X-082	North Trunk Improvement Project	Replace	Significant	MM-AQ-1	Less than Significant
X-060	Newhope Placentia Chemical Dosing Station	Misc.	Significant	MM-AQ-1	Less than Significant
11-33	Edinger Pumping Station Replacement	Replace	Significant	MM-AQ-1	Less than Significant

Table 4.2-2825. Summary of FMP Project Impacts

Project Number	Project Name	Project Type	Level of Significance Prior to Mitigation	Mitigation Measures	Level of Significance After Mitigation
X-063	South Santa Ana River Interceptor Connector Rehabilitation	Rehab	Significant	MM-AQ-1	Less than Significant
2-73	Yorba Linda Pump Station Abandonment	Misc.	Significant	MM-AQ-1	Less than Significant
3-67	Seal Beach Pump Station Replacement	Replace	Significant	MM-AQ-1	Less than Significant
2-49	Taft Branch Sewer Improvements	Replace	Significant	MM-AQ-1	Less than Significant
X-083	Greenville–Sullivan Sewer Relief Project	Replace	Significant	MM-AQ-1	Less than Significant
Would the project result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?					
Plant 1					
P1-126	Primary Clarifiers Replacements and Improvements	Replace	Less than Significant	—	Less than Significant
X-093	Administrative Facilities and Power Building 3A Demolition	Misc. (Demo)	Less than Significant	—	Less than Significant
X-092	Standby Generator Feeders for Plant 1 Secondary Systems	Misc.	Less than Significant	—	Less than Significant
X-048	Activated Sludge (AS)-1 Aeration Basin and Blower Rehabilitation	Rehab	Less than Significant	—	Less than Significant
P1-135	Digester Ferric Piping Replacement	Replace	Less than Significant	—	Less than Significant
X-077	Switchgear Replacement at Central Generation	Replace	Less than Significant	—	Less than Significant
X-090	Network, Telecommunications, and Service Relocation at Plant 1	Misc.	Less than Significant	—	Less than Significant
Plant 2					
P2-126	Substation and Warehouse Replacement at Plant 2	Misc.	Less than Significant	—	Less than Significant
X-050	Activated Sludge (AS) Aeration Basin	Rehab	Less than Significant	—	Less than Significant
X-032	Truck Loading Facility Rehabilitation	Rehab	Less than Significant	—	Less than Significant
X-054	Waste Side-Stream Pump Station C Rehabilitation	Rehab	Less than Significant	—	Less than Significant
X-034	Sodium Bisulfite Station Replacement and Bleach Station Demolition	Replace	Less than Significant	—	Less than Significant
P2-138	P2-138 Operations and Maintenance Complex at Plant 2	Replace	Less than Significant	—	Less than Significant

Table 4.2-2825. Summary of FMP Project Impacts

Project Number	Project Name	Project Type	Level of Significance Prior to Mitigation	Mitigation Measures	Level of Significance After Mitigation
Joint Plant Projects					
J-98	Plantwide Miscellaneous Electrical Power Distribution System Improvements	Replace	Less than Significant	—	Less than Significant
J-120	Plantwide Miscellaneous Process Control System Upgrades	Replace	Less than Significant	—	Less than Significant
J-133	Laboratory Rehabilitation or Replacement at Plant 1	Rehab	Less than Significant	—	Less than Significant
X-057	Plantwide Miscellaneous Yard Structures Rehabilitation or Replacement	Misc.	Less than Significant	—	Less than Significant
X-058	Plantwide Miscellaneous Yard Piping Replacement	Replace	Less than Significant	—	Less than Significant
X-059	Plantwide Miscellaneous Tunnels Rehabilitation	Rehab	Less than Significant	—	Less than Significant
J-121	UPS System Upgrades	Replace	Less than Significant	—	Less than Significant
X-044	Steve Anderson Lift Station Rehabilitation	Rehab	Less than Significant	—	Less than Significant
Collection System Projects					
5-68	Newport Beach Pump Station Odor Control Improvements	Misc.	Less than Significant	—	Less than Significant
X-076	Santa Ana Trunk Sewer Rehabilitation Phase II	Rehab	Less than Significant	—	Less than Significant
X-082	North Trunk Improvement Project	Replace	Less than Significant	—	Less than Significant
X-060	Newhope Placentia Chemical Dosing Station	Misc.	Less than Significant	—	Less than Significant
11-33	Edinger Pumping Station Replacement	Replace	Less than Significant	—	Less than Significant
X-063	South Santa Ana River Interceptor Connector Rehabilitation	Rehab	Less than Significant	—	Less than Significant
2-73	Yorba Linda Pump Station Abandonment	Misc.	Less than Significant	—	Less than Significant
3-67	Seal Beach Pump Station Replacement	Replace	Less than Significant	—	Less than Significant
2-49	Taft Branch Sewer Improvements	Replace	Less than Significant	—	Less than Significant
X-083	Greenville–Sullivan Sewer Relief Project	Replace	Less than Significant	—	Less than Significant

Note: UPS = uninterruptible power system.

4.2.9 References

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Tables

4.5 Energy

This section describes the existing setting related to energy, identifies associated regulatory requirements, evaluates potential energy impacts, and identifies mitigation measures, if required, related to implementation of the proposed Facilities Master Plan (FMP).

4.5.1 Existing Conditions

4.5.1.1 Electricity

According to the U.S. Energy Information Administration, California used approximately 255,224 gigawatt hours of electricity in 2018 (EIA 2020a). Electricity usage in California for different land uses varies substantially by the types of uses in a building, type of construction materials used in a building, and the efficiency of all electricity-consuming devices within a building. Due to the state's energy efficiency building standards and efficiency and conservation programs, California's electricity use per capita in the residential sector is lower than any other state except Hawaii (EIA 2020b).

Southern California Edison (SCE) provides electricity to Reclamation Plant No. 1 (Plant 1) and Treatment Plant No. 2 (Plant 2) and the majority of Orange County. SCE, a subsidiary of Edison International, serves approximately 180 cities in 11 counties across central and Southern California. SCE administers various energy efficiency and conservation programs that may be available to residents, businesses, and other organizations in Orange County. According to the California Public Utilities Commission (CPUC), approximately 84 billion kilowatt-hours (kWh) of electricity were used in SCE's service area in 2017. Demand forecasts anticipate that approximately 75 billion kWh of electricity will be used in SCE's service area in 2020 (CPUC 2018).

The California Renewables Portfolio Standard (RPS) Program establishes a goal for California to increase the amount of electricity generated from renewable energy resources to 20% by 2010 and to 33% by 2020. Recent legislation revised the current RPS target for California to obtain 50% of total retail electricity sales from renewable sources by 2030, with interim targets of 40% by 2024, and 45% by 2027 (CPUC 2016). SCE receives electric power from a variety of sources. According to SCE's power content label for 2018, 36% of SCE's power came from eligible renewable energy sources in 2017, including biomass/waste, geothermal, small hydroelectric, solar, and wind sources (SCE 2019).

Within Orange County, annual nonresidential electricity use is approximately 13 billion kWh per year, while residential electricity use is approximately 7 billion kWh per year, as reported by the state's Energy Consumption Data Management System for 2018 (CEC 2020a).

4.5.1.2 Natural Gas

According to the U.S. Energy Information Administration, California used approximately 2,136,907 million cubic feet of natural gas in 2018 (EIA 2020c). The majority of California's natural gas customers are residential and small commercial customers (core customers). These customers account for approximately 35% of the natural gas delivered by California utilities (CPUC 2020). Large consumers, such as electric generators and industrial customers (noncore customers), account for approximately 65% of the natural gas delivered by California utilities (CPUC 2020). CPUC regulates California natural gas rates and natural gas services, including in-state transportation over transmission and distribution pipeline systems, storage, procurement, metering, and billing. Most of the natural gas

used in California comes from out-of-state natural gas basins. Biogas (e.g. from wastewater treatment facilities or dairy farms) is just beginning to be delivered into the gas utility pipeline systems, and the state has been encouraging its development (CPUC 2020).

The Southern California Gas Company (SoCalGas) provides Plant 1 and Plant 2 and the greater Orange County area with natural gas service. SoCalGas's service territory encompasses approximately 20,000 square miles and more than 500 communities. In the California Energy Demand mid-energy demand scenario, natural gas demand is projected to have an annual growth rate of 0.03% in SoCalGas's service territory. As of 2017, approximately 7,206 million therms[1] were used in SoCalGas's service area per year. By 2020, natural gas demand is anticipated to be approximately 7,876 million therms per year in SoCalGas's service area (CEC 2017). The total capacity of natural gas available to SoCalGas in 2020 is estimated to be 3.8 billion cubic feet per day. In 2024, the total capacity available is also estimated to be 3.8 billion cubic feet per day[2] (California Gas and Electric Utilities 2018). This amount is approximately equivalent to 3.88 billion thousand British thermal units (kBTU) per day or 38.8 million therms per day.

Within Orange County, annual non-residential natural gas use is approximately 236 million therms per year, while residential natural gas use is approximately 339 million therms per year, as reported by the state's Energy Consumption Data Management System for 2018 (CEC 2020b).

4.5.1.3 Petroleum

According to the U.S. Energy Information Administration, California used approximately 681 million barrels of petroleum in 2018, with the majority (584 million barrels) used for the transportation sector (EIA 2020d). This total annual consumption equates to a daily use of approximately 1.9 million barrels of petroleum. There are 42 U.S. gallons in a barrel, so California consumes approximately 78.4 million gallons of petroleum per day, adding up to an annual consumption of 29 billion gallons of petroleum. In California, petroleum fuels refined from crude oil are the dominant source of energy for transportation sources. Petroleum usage in California includes petroleum products such as motor gasoline, distillate fuel, liquefied petroleum gases, and jet fuel. California has implemented policies to improve vehicle efficiency and to support use of alternative transportation, which are described in Section 4.5.2.

4.5.2 Relevant Plans, Policies, and Ordinances

Federal

Federal Energy Policy and Conservation Act

In 1975, Congress enacted the Federal Energy Policy and Conservation Act, which established the first fuel economy standards for on-road motor vehicles in the United States. Pursuant to the act, the National Highway Traffic Safety Administration is responsible for establishing additional vehicle standards. In 2012, new fuel economy standards for passenger cars and light trucks were approved for model years 2017 through 2021 (77 FR 62624–63200). Fuel economy is determined based on each manufacturer's average fuel economy for the fleet of vehicles available for sale in the United States.

[1] One Therm is equal to 100,000 BTU or 100 kBTU.
[2] One cubic foot of natural gas has approximately 1,020 BTUs of natural gas or 1.02 kBTUs of natural gas.

Intermodal Surface Transportation Efficiency Act of 1991

The Intermodal Surface Transportation Efficiency Act (ISTEA) of 1991 promoted the development of intermodal transportation systems to maximize mobility and address national and local interests in air quality and energy. The ISTEA contained factors for metropolitan planning organizations to address in developing transportation plans and programs, including some energy-related factors. To meet the new ISTEA requirements, metropolitan planning organizations adopted policies defining the social, economic, energy, and environmental values guiding transportation decisions.

Transportation Equity Act for the 21st Century

The Transportation Equity Act for the 21st Century was signed into law in 1998 and builds on the initiatives established in the ISTEA legislation (previously discussed). The act authorizes highway, highway safety, transit, and other efficient surface transportation programs. The act continues the program structure established for highways and transit under the ISTEA, such as flexibility in the use of funds, emphasis on measures to improve the environment, and focus on a strong planning process as the foundation of transportation decisions. The act also provides for investment in research and its application to maximize the performance of the transportation system through, for example, deployment of intelligent transportation systems to help improve operations and management of transportation systems and vehicle safety.

Energy Independence and Security Act of 2007

On December 19, 2007, the Energy Independence and Security Act of 2007 (EISA) was signed into law. In addition to setting increased Corporate Average Fuel Economy standards for motor vehicles, the EISA includes the following other provisions related to energy efficiency:

- Renewable Fuel Standard (RFS) (Section 202)
- Appliance and Lighting Efficiency Standards (Sections 301–325)
- Building Energy Efficiency (Sections 411–441)

This federal legislation requires ever-increasing levels of renewable fuels (the RFS) to replace petroleum (EPA 2017). The U.S. Environmental Protection Agency (EPA) is responsible for developing and implementing regulations to ensure that transportation fuel sold in the United States contains a minimum volume of renewable fuel. The RFS program regulations were developed in collaboration with refiners, renewable fuel producers, and many other stakeholders.

The RFS program was created under the Energy Policy Act of 2005 and established the first renewable fuel volume mandate in the United States. As required under the act, the original RFS program (RFS1) required 7.5 billion gallons of renewable fuel to be blended into gasoline by 2012. Under the EISA, the RFS program was expanded in several key ways that lay the foundation for achieving significant reductions in greenhouse gas (GHG) emissions from the use of renewable fuels, reducing imported petroleum, and encouraging the development and expansion of the renewable fuels sector in the United States. The updated program is referred to as RFS2 and includes the following:

- EISA expanded the RFS program to include diesel, in addition to gasoline.
- EISA increased the volume of renewable fuel required to be blended into transportation fuel from 9 billion gallons in 2008 to 36 billion gallons by 2022.

- EISA established new categories of renewable fuel and set separate volume requirements for each one.
- EISA required the EPA to apply lifecycle GHG performance threshold standards to ensure that each category of renewable fuel emits fewer GHGs than the petroleum fuel it replaces.

Additional provisions of the EISA address energy savings in government and public institutions, research for alternative energy, additional research in carbon capture, international energy programs, and the creation of "green" jobs.

State

Warren-Alquist Act

The California legislature passed the Warren-Alquist Act in 1974. The Warren-Alquist Act created the California Energy Commission (CEC). The legislation also incorporated the following three key provisions designed to address the demand side of the energy equation:

- It directed the CEC to formulate and adopt the nation's first energy conservation standards for buildings constructed and appliances sold in California.
- The act removed the responsibility of electricity demand forecasting from the utilities, which had a financial interest in high-demand projections, and transferred it to a more impartial CEC.
- The CEC was directed to embark on an ambitious research and development program, with a particular focus on fostering what were characterized as non-conventional energy sources.

State of California Energy Action Plan

The CEC and CPUC approved the first State of California Energy Action Plan in 2003. The plan established shared goals and specific actions to ensure that adequate, reliable, and reasonably priced electrical power and natural gas supplies are provided, and identified policies, strategies, and actions that are cost-effective and environmentally sound for California's consumers and taxpayers. In 2005, a second Energy Action Plan was adopted by the CEC and CPUC to reflect various policy changes and actions of the prior 2 years.

At the beginning of 2008, the CEC and CPUC determined that it was not necessary or productive to prepare a new energy action plan. This determination was based, in part, on a finding that the state's energy policies have been significantly influenced by the passage of Assembly Bill (AB) 32, the California Global Warming Solutions Act of 2006 (discussed below). Rather than produce a new energy action plan, the CEC and CPUC prepared an update that examines the state's ongoing actions in the context of global climate change.

Senate Bills 1078 (2002), 107 (2006), X1-2 (2011), 350 (2015) and 100 (2018)

Senate Bill (SB) 1078 established the California RPS Program and required that a retail seller of electricity purchase a specified minimum percentage of electricity generated by eligible renewable energy resources as defined in any given year, culminating in a 20% standard by December 31, 2017. These retail sellers include electrical corporations, community choice aggregators, and electric service providers. The bill relatedly required the CEC to certify eligible renewable energy resources, to design and implement an accounting system to verify compliance with the RPS by retail sellers, and to allocate and award supplemental energy payments to cover above-market costs of renewable energy.

SB 107 (2006) accelerated the RPS established by SB 1078 by requiring that 20% of electricity retail sales be served by renewable energy resources by 2010 (not 2017). Additionally, SB X1-2 (2011) required all California utilities to generate 33% of their electricity from eligible renewable energy resources by 2020. Specifically, SB X1-2 sets a three-stage compliance period: by December 31, 2013, 20% of electricity had to come from renewables; by December 31, 2016, 25% of electricity had to come from renewables; and by December 31, 2020, 33% will be required to come from renewables.

SB 350 (2015) expanded the RPS by requiring retail seller and publicly owned utilities to procure 50% of their electricity from eligible renewable energy resources by 2030, with interim goals of 40% by 2024 and 45% by 2027.

SB 100 (2018) accelerated and expanded the standards set forth in SB 350 by establishing that 44% of the total electricity sold to retail customers in California per year by December 31, 2024; 52% by December 31, 2027; and 60% by December 31, 2030 be secured from qualifying renewable energy sources. SB 100 also states that it is the policy of the state that eligible renewable energy resources and zero-carbon resources supply 100% of the retail sales of electricity to California. This bill requires that the achievement of 100% zero-carbon electricity does not increase carbon emissions elsewhere in the western grid. Additionally, 100% zero-carbon electricity cannot be achieved through resource shuffling.

Consequently, utility energy generation from nonrenewable resources is expected to be reduced based on implementation of the RPS requirements described above. The proposed FMP's reliance on nonrenewable energy sources would be reduced accordingly.

Assembly Bill 1007 (2005)

Assembly Bill (AB) 1007 (2005) required the CEC to prepare a statewide plan to increase the use of alternative fuels in California (State Alternative Fuels Plan). The CEC prepared the plan in partnership with the California Air Resources Board (CARB) and in consultation with other state agencies, plus federal and local agencies. The State Alternative Fuels Plan assessed various alternative fuels and developed fuel portfolios to meet California's goals to reduce petroleum consumption, increase alternative fuels use, reduce GHG emissions, and increase in-state production of biofuels without causing a significant degradation of public health and environmental quality.

Assembly Bill 32 (2006) and Senate Bill 32 (2016)

In 2006, the state legislature enacted AB 32, the California Global Warming Solutions Act of 2006. AB 32 requires California to reduce its GHG emissions to 1990 levels by 2020. In 2016, the Legislature enacted SB 32, which extended the horizon year of the state's codified GHG reduction planning targets from 2020 to 2030, requiring California to reduce its GHG emissions to 40% below 1990 levels by 2030. In accordance with AB 32 and SB 32, CARB prepares scoping plans to guide the development of statewide policies and regulations for the reduction of GHG emissions. Many of the policy and regulatory concepts identified in the scoping plans focused on increasing energy efficiencies, using renewable resources, and reducing the consumption of petroleum-based fuels (such as gasoline and diesel). As such, the state's GHG emissions reduction planning framework creates co-benefits for energy-related resources.

California Building Standards

Part 6 of Title 24 of the California Code of Regulations was established in 1978 and serves to enhance and regulate California's building standards. Part 6 establishes energy efficiency standards for residential and nonresidential buildings constructed in California to reduce energy demand and consumption. Part 6 is updated periodically to incorporate and consider new energy efficiency technologies and methodologies. The current Title 24 standards

are the 2019 Title 24 Building Energy Efficiency Standards, which became effective January 1, 2020. In general, single-family residences built to the 2019 standards are anticipated to use approximately 7% less energy (due to energy efficiency measures) than those built to the 2016 standards; if rooftop solar electricity generation is factored in, single-family residences built under the 2019 standards will use approximately 53% less energy than those under the 2016 standards (CEC 2018a). Nonresidential buildings built to the 2019 standards are anticipated to use an estimated 30% less energy than those built to the 2016 standards (CEC 2018a).

Title 24 also includes Part 11, California's Green Building Standards (CALGreen). CALGreen establishes minimum mandatory standards as well as voluntary standards pertaining to the planning and design of sustainable site development, energy efficiency (in excess of the California Energy Code requirements), water conservation, material conservation, and interior air quality. The 2019 CALGreen standards are the current applicable standards. For nonresidential projects, some of the key mandatory CALGreen 2019 standards involve requirements related to bicycle parking, designated parking for clean air vehicles, electric vehicle (EV) charging stations, shade trees, water conserving plumbing fixtures and fittings, outdoor potable water use in landscaped areas, recycled water supply systems, construction waste management, excavated soil and land clearing debris, and commissioning (24 CCR Part 11).

Integrated Energy Policy Report

The CEC is responsible for preparing integrated energy policy reports that identify emerging trends related to energy supply, demand, and conservation; public health and safety; and maintenance of a healthy economy. The CEC's 2018 Integrated Energy Policy Report discusses the state's policy goals of decarbonizing buildings, doubling energy efficiency savings, and increasing flexibility in the electricity grid system to integrate more renewable energy (CEC 2018b). Specifically for the decarbonizing of building energy, the goal would be achieved by designing future commercial and residential buildings to have their energy sourced almost entirely from electricity in place of natural gas. Regarding the increase in renewable energy flexibility, the goal would be achieved through increases in energy storage capacity within the state, increases in energy efficiency, and adjusting energy use to the time of day when the most amount of renewable energy is being generated. Over time these policies and trends would serve to reduce the FMP's GHG emissions profile and energy consumption as they are implemented.

State Vehicle Standards

In response to the transportation sector accounting for more than half of California's carbon dioxide (CO_2) emissions, AB 1493 was enacted in 2002. AB 1493 required CARB to set GHG emissions standards for passenger vehicles, light-duty trucks, and other vehicles determined by the state board to be vehicles whose primary use is noncommercial personal transportation in the state. The bill required that CARB set GHG emissions standards for motor vehicles manufactured in 2009 and all subsequent model years. The 2009–2012 standards resulted in a reduction in approximately 22% of GHG emissions compared to emissions from the 2002 fleet, and the 2013–2016 standards resulted in a reduction of approximately 30% compared to the 2002 fleet.

In 2012, CARB approved a new emissions-control program for model years 2017 through 2025. The program combines the control of smog, soot, and global-warming gases with requirements for greater numbers of zero-emissions vehicles into a single package of standards called Advanced Clean Cars. By 2025, when the rules would be fully implemented, new automobiles would emit 40% fewer global-warming gases and 75% fewer smog-forming emissions (CARB 2020a). However, the EPA and National Highway Traffic Safety Administration published the Safer Affordable Fuel-Efficient (SAFE) Vehicles Rule, which revokes California's authority to set its own GHG emissions standards and set zero-emission vehicle mandates in California. Since California and 22 other states, as well as the District of Columbia and four cities, filed suit against the EPA and a petition for

reconsideration of the rule, the effect of the SAFE Rule on the Advanced Clean Cars program is still to be determined pending the ruling of ongoing litigation.

Although the focus of the state's vehicle standards is on the reduction of air pollutants and GHG emissions, one co-benefit of implementation of these standards is a reduced demand for petroleum-based fuels.

Sustainable Communities Strategy

The Sustainable Communities and Climate Protection Act of 2008, or SB 375, coordinates land use planning, regional transportation plans, and funding priorities to help California meet its GHG emissions reduction mandates established in AB 32. As codified in California Government Code Section 65080, SB 375 requires metropolitan planning organizations to include a sustainable communities strategy in their regional transportation plan. The main focus of the sustainable communities strategy is to plan for growth in a fashion that will ultimately reduce GHG emissions, but the strategy is also part of a bigger effort to address other development issues, including transit and vehicle miles traveled, which influence the consumption of petroleum-based fuels.

Local

As described in Section 4.7 (Greenhouse Gas Emissions), the Cities of Fullerton, Huntington Beach, La Habra, and Santa Ana, where components of the FMP are located, have adopted GHG emission reduction plans, such as a Climate Action Plan (CAP), which include energy consumption reduction measures.[3] See Section 4.7 for summaries of these local plans.

4.5.3 Thresholds of Significance

4.5.3.1 Significance Criteria

The significance criteria used to evaluate the proposed FMP's impacts to energy are based on Appendix G of the CEQA Guidelines. According to Appendix G, a significant impact related to energy would occur if the project would:

1. Result in a potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation.
2. Conflict with or obstruct a state or local plan for renewable energy or energy efficiency.

4.5.3.2 Approach and Methodology

Construction

Electricity

The amount of electricity used during FMP project construction would be minimal because typical demand would stem from electrically powered hand tools. Temporary electric power typically used for as-needed lighting

[3] The City of Irvine (where projects 7-65 and 7-66 are partially located) is in the process of developing a CAP; however, no draft is available at the time of writing. The City of Anaheim adopted a municipal Greenhouse Gas Reduction Plan: Sustainable Electric & Water Initiatives in July 2015; however, it only applies to the Anaheim Public Utilities Department and therefore is not applicable to the FMP. The Cities of Aliso Viejo, Laguna Beach, Laguna Woods, Mission Viejo, and San Clemente in Orange County have also adopted GHG emission reduction plans; however, the FMP would not include components located within those cities.

and electronic equipment (such as computers inside temporary construction trailers and heating, ventilation, and air conditioning), and potentially on-site water supply, during construction is anticipated to be minimal for the FMP projects. The majority of the energy used during construction would be from petroleum.[4] As such, construction electricity demand is qualitatively addressed.

Natural Gas

Natural gas is not anticipated to be required during construction of the FMP projects. Fuels used for construction would primarily consist of diesel and gasoline, which are discussed under the subsection Petroleum, below. Any minor amounts of natural gas that may be consumed as a result of project construction would be temporary and negligible[5]; therefore, construction natural gas demand is qualitatively addressed.

Petroleum

Potential impacts were assessed for off-road equipment and on-road vehicle trips during construction, as provided by the California Emissions Estimator Model (CalEEMod) outputs (Appendix D). Fuel consumption from construction equipment and vehicle trips is estimated by converting the total CO_2 emissions anticipated to be generated by construction of each project to gallons using conversion factors for CO_2 to gallons of gasoline or diesel. The conversion factor for gasoline is 8.78 kilograms per metric ton (MT) CO_2 per gallon, and the conversion factor for diesel is 10.21 kilograms per MT CO_2 per gallon (The Climate Registry ~~2018~~2020). Heavy-duty construction equipment associated with construction activities, vendor trucks, and haul trucks are assumed to use diesel fuel. Worker vehicles are assumed to be gasoline fueled. All details for construction criteria air pollutant emissions modeling discussed in Section 4.2, Air Quality, specifically Section 4.2.3.2, Approach and Methodology (Construction), are also applicable for the estimation of construction-related energy consumption. As such, see Section 4.2.3.2 for a discussion of construction emissions calculation methodology and assumptions used in the energy analysis.

Operation

The FMP projects would rehabilitate, replace, or abandon existing facilities that are currently subject to ongoing operations and maintenance activity. Accordingly, the projects addressed in this program environmental impact report (PEIR) do not propose appreciable changes to regular operations and maintenance activity by Orange County Sanitation District (Sanitation District) personnel. Therefore, potential operational energy consumption is qualitatively evaluated except for a permanent emergency generator at the Seal Beach pump station, which is quantitatively addressed. There is an existing temporary emergency diesel-fueled generator at the Seal Beach pump station (3-67), which will be replaced with the permanent diesel-fueled emergency generator. Maintenance and testing of the emergency generator would consume diesel fuel, which was estimated by converting the total CO_2 emissions anticipated to be generated by generator testing to gallons using a conversion factor for diesel of 10.21 kilograms per MT CO_2 per gallon (The Climate Registry 2020). For emission and fuel consumption calculation purposes, it was assumed that the new emergency generator would operate up to 50 hours per year for maintenance and testing consistent with CARB's Airborne Toxic Control Measure for Stationary Compression Ignition Engines (17 CCR § 93115) and anticipated permit conditions (SCAQMD Rule 1470 requirements). However, the 50 hours per year assumption is conservative because based on existing practice, the pump station emergency generators are typically tested for approximately 6 hours per year reflecting a maximum of 1/2 hour per day of testing and testing occurring once a month.

[4] The construction energy analysis is based on CalEEMod default values, which assume that all off-road construction equipment is diesel, and no electricity demand is assumed during construction.

[5] The construction energy analysis is based on CalEEMod default values, which assume that all off-road construction equipment is diesel, and no natural gas demand is assumed during construction.

4.5.4 Impacts Analysis

1. Would the project result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?

Less-than-Significant Impact. Project energy consumption, including use of electricity, natural gas, and petroleum during construction and operation are assessed below.

Construction

Electricity. Temporary electric power for as-necessary lighting and electronic equipment and to convey water for fugitive dust control (if provided using an on-site water source versus a water truck) would be provided by SCE. The amount of electricity used during construction would be minimal because typical demand would stem from electrically powered hand tools. The electricity demand at any given time would vary throughout the construction period based on the construction activities being performed and would cease upon completion of construction. When not in use, electric equipment would be powered off so as to avoid unnecessary energy consumption. The electricity used for construction activities would be temporary and minimal; it would be within the supply and infrastructure service capabilities of SCE; and it would not require additional local or regional capacity. While electricity demand during construction is anticipated to be minimal, the FMP's peak energy consumptions are anticipated to be sufficiently served by existing supply from SCE. The electricity used for construction activities would be temporary and minimal; therefore, FMP project construction would not result in wasteful, inefficient, or unnecessary consumption of electricity.

Natural Gas. Natural gas is not anticipated to be required during construction of the FMP projects. Fuels used for construction would primarily consist of diesel and gasoline, which are discussed under the subsection "Petroleum." Peak energy demand specifically applies to electricity; because natural gas (and petroleum) are liquid, these energy resources do not have the same constraints as electricity supply. Nonetheless, any use of natural gas is anticipated to be sufficiently served by existing supply from SoCalGas and would not require additional local or regional capacity. Any minor amounts of natural gas that may be consumed[6] as a result of project construction would be temporary and negligible and would not have an adverse effect; therefore, FMP project construction would not result in wasteful, inefficient, or unnecessary consumption of natural gas.

Petroleum. Heavy-duty equipment associated with construction would rely on diesel fuel, as would vendor trucks involved in delivery of materials to the FMP project sites, and haul trucks exporting demolition material or other materials off site. Construction workers would travel to and from the FMP project sites throughout the duration of construction. It is assumed in this analysis that construction workers would travel in gasoline-powered light-duty vehicles. Appendix D lists the assumed equipment usage and vehicle trips for construction of each project.

Fuel consumption from construction equipment was estimated by converting the total carbon dioxide (CO_2) emissions from each construction phase to gallons using the conversion factors for CO_2 to gallons of gasoline or diesel. Construction is estimated to occur intermittently from 2021 to 2040 based on the construction phasing schedule. The conversion factor for gasoline is 8.78 kilograms per MT CO_2 per gallon, and the conversion factor for diesel is 10.21 kilograms per MT CO_2 per gallon (The Climate Registry ~~2018~~2020).

[6] While no natural gas is anticipated to be used during construction as construction equipment is typically diesel-fueled, the possibility of natural gas use is acknowledged in the event a natural gas-fueled piece of equipment is used or a natural gas-fueled hot water boiler is used for pipe relining. However, as noted previously, all equipment was assumed to be diesel-fueled in CalEEMod.

The estimated diesel fuel usage from construction equipment, haul trucks, and vendor trucks, as well as estimated gasoline fuel usage from worker vehicles, is shown in Tables 4.5-1, 4.5-2, 4.5-3, 4.5-4, and 4.5-5 for Plant 1, Plant 2, joint plant, collection system, and the entire FMP, respectively.

Table 4.5-1 presents estimated petroleum demand generated during construction of Plant 1 projects.

Table 4.5-1. Plant 1 Construction Petroleum Demand

Project	Off-Road Equipment (diesel)	Haul Trucks (diesel)	Vendor Trucks (diesel)	Worker Vehicles (gasoline)
	Gallons			
P1-126 Primary Clarifiers Replacements and Improvements	161,424	1,957	2,524	11,029
X-093 Administrative Facilities and Power Building 3A Demolition	14,575	823	256	930
X-092 Standby Generator Feeders for Plant 1 Secondary Systems	15,440	0	479	1,423
X-048 Activated Sludge (AS)-1 Aeration Basin and Blower Rehabilitation	78,176	89	1,864	5,838
P1-135 Digester Ferric Piping Replacement	10,412	1,340	306	790
X-077 Switchgear Replacement at Central Generation	849	14	11	45
X-017 Primary Clarifiers 6–37	61,652	14	1,707	4,203
X-038 City Water Pump Station Rehabilitation	5,664	13	141	373
P1-127 Central Generation Rehabilitation	37,400	13	332	1,869
X-049 Activated Sludge (AS)-1 Clarifier and RAS Pump Station Rehabilitation	69,440	13	1,034	3,341
X-015 Trickling Filters Rehabilitation	69,160	240	797	3,274
X-006 Waste Side-Stream Pump Station 1 Upgrade	16,144	7	140	822
X-079 Primary Scrubber Rehabilitation	31,220	240	425	1,579
X-039 Plant Water Pump Station Rehabilitation	3,384	13	93	241
X-018 Activated Sludge (AS) 2 Rehabilitation	55,306	13	844	4,175
X-043 DAFT Demolition	17,366	1,975	65	639
X-090 Network, Telecommunications, and Service Relocation at Plant 1	5,074	0	241	669
Total	**652,686**	**6,764**	**11,259**	**41,240**

Notes: RAS = return activated sludge; DAFT = dissolved air flotation thickeners.

Table 4.5-2 presents estimated petroleum demand generated during construction of Plant 2 projects.

Table 4.5-2. Plant 2 Construction Petroleum Demand

Project	Off-Road Equipment (diesel)	Haul Trucks (diesel)	Vendor Trucks (diesel)	Worker Vehicles (gasoline)
	Gallons			
P2-126 Substation and Warehouse Replacement at Plant 2	306,030	944	7,070	20,988
X-050 Activated Sludge (AS) Aeration Basin	61,357	308	872	4,255
X-032 Truck Loading Facility Rehabilitation	22,455	14	433	1,553
X-054 Waste Side-Stream Pump Station C Rehabilitation	12,926	14	191	959
X-034 Sodium Bisulfite Station Replacement and Bleach Station Demolition	13,279	103	336	1,063
P2-138 Operations and Maintenance Complex at Plant 2	108,408	1,259	1,534	6,007
X-007 Waste Side-Stream Pump Station 2A Upgrade	29,805	270	431	1,672
P2-119 Central Generation Rehabilitation	52,481	88	660	2,732
X-036 City Water Pump Station Rehabilitation	6,008	34	185	382
X-037 Plant Water Pump Station and 12 kV Distribution Center A Demolition	4,775	201	67	150
X-052 Activated Sludge (AS) RAS/WAS/PEPS/Vaporizers Rehabilitation	27,560	13	656	1,648
X-030 Headworks Rehabilitation	57,451	13	1,265	2,930
X-031 Trickling Filter Solids-Contact Rehabilitation	198,821	7	2,012	9,424
X-014 Trickling Filter Solids-Contact Odor Control	33,124	0	1,418	1,477
Total	**934,480**	**3,268**	**17,130**	**55,240**

Notes: RAS = return activated sludge; PEPS = Primary Effluent Pump Station.

Table 4.5-3 presents estimated petroleum demand generated during construction of joint plant projects.

Table 4.5-3. Joint Plant Construction Petroleum Demand

Project	Off-Road Equipment (diesel)	Haul Trucks (diesel)	Vendor Trucks (diesel)	Worker Vehicles (gasoline)
	Gallons			
J-98 Plantwide Miscellaneous Electrical Power Distribution System Improvements	1,475	0	61	66
J-120 Plantwide Miscellaneous Process Control Systems Upgrades	1,474	0	59	58
J-133 Laboratory Rehabilitation or Replacement at Plant 1	130	7	14	10
X-057 Plantwide Miscellaneous Yard Structures Rehabilitation or Replacement, X-058 Plantwide Miscellaneous Yard Piping Replacement, X-059 Plantwide Miscellaneous Tunnels Rehabilitation	3,496	1	73	170
J-121 UPS System Upgrades	234	0	19	12
X-044 Steve Anderson Lift Station Rehabilitation	179	0	7	10
Total	**6,988**	**8**	**233**	**326**

Note: UPS = uninterruptible power system.

Table 4.5-4 presents estimated petroleum demand generated during construction of collection system projects.

Table 4.5-4. Collection System Construction Petroleum Demand

Project	Off-Road Equipment (diesel)	Haul Trucks (diesel)	Vendor Trucks (diesel)	Worker Vehicles (gasoline)
	Gallons			
5-68 Newport Beach Pump Station Odor Control Improvements	31,960	0	552	2,667
X-076 Santa Ana Trunk Sewer Rehabilitation Phase II	49,153	0	1,375	2,222
X-082 North Trunk Improvement Project	16,537	573	606	1,406
X-060 Newhope Placentia Chemical Dosing Station	10,844	28	295	902
11-33 Edinger Pumping Station Replacement	51,303	41	770	3,207
X-063 South Santa Ana River Interceptor Connector Rehabilitation	12,323	217	557	816
2-73 Yorba Linda Pump Station Abandonment	23,810	154	460	1,282

Table 4.5-4. Collection System Construction Petroleum Demand

Project	Off-Road Equipment (diesel)	Haul Trucks (diesel)	Vendor Trucks (diesel)	Worker Vehicles (gasoline)
	Gallons			
3-67 Seal Beach Pump Station Replacement	16,911	74	301	996
2-49 Taft Branch Sewer Improvements	22,775	942	969	1,609
X-083 Greenville–Sullivan Sewer Relief Project	37,723	1,861	1,569	2,976
7-66 Sunflower and Red Hill Interceptor Rehab/Repair	13,964	0	407	742
7-65 Gisler–Red Hill Interceptor Rehabilitation	13,964	0	407	742
7-68 MacArthur Dual Force Main Improvements	22,191	352	861	1,326
X-078 Air Jumper Additions and Rehabilitation	11,485	0	254	704
X-026 College Avenue Force Main Rehabilitation	10,286	341	393	552
X-071 Edinger/Springdale Trunk Sewer Rehabilitation	22,191	352	861	1,326
X-065 Tustin–Orange Interceptor Sewer at Reach 17 Rehabilitation	10,286	341	393	552
3-68 Los Alamitos Sub-Trunk Extension	4,430	2,525	41	279
X-067 (X-085) Hoover–Western Sub-Trunks Sewer Rehabilitation	22,191	352	861	1,326
X-066 Tustin–Orange Interceptor Sewer at Reach 18 Rehabilitation	10,286	341	393	552
X-061 Imperial Highway Relief Interceptor Rehabilitation	22,191	352	861	1,326
X-068 North Trunk Rehabilitation	10,286	341	393	552
7-67 Main Street Pump Station Replacement and Force Main Rehabilitation	10,896	15	383	655
X-023 Lido Pump Station Rehabilitation	10,896	15	383	655
X-084 Tustin Avenue Sewer Relief	10,286	341	393	552
X-086 Santa Ana River Sewer Relief	34,212	2,002	1,417	1,818
X-022 15th Street Pump Station Rehabilitation	10,896	15	383	655
X-040 College Avenue Pump Station Replacement	23,888	13	328	1,267
11-34 Slater Avenue Pump Station Rehabilitation	10,896	15	383	655
7-64 Main Street Pump Station Rehabilitation	10,896	15	383	655

Table 4.5-4. Collection System Construction Petroleum Demand

Project	Off-Road Equipment (diesel)	Haul Trucks (diesel)	Vendor Trucks (diesel)	Worker Vehicles (gasoline)
	Gallons			
7-63 MacArthur Pump Station Rehabilitation	42,321	370	1,054	1,737
X-024 Rocky Point Pump Station Rehabilitation	23,888	13	328	1,267
X-041 A Street Pump Station Rehabilitation	10,896	15	383	655
5-66 Crystal Cove Pumping Station Upgrade and Rehabilitation	10,896	15	383	655
X-025 Bitter Point Pump Station Rehabilitation	23,888	13	328	1,267
Total	**681,845**	**12,044**	**20,108**	**40,555**

Table 4.5-5 presents estimated petroleum demand during construction of the entire FMP, including the Plant 1, Plant 2, joint plant, and collection system projects.

Table 4.5-5. Total FMP Construction Petroleum Demand

Project	Off-Road Equipment (diesel)	Haul Trucks (diesel)	Vendor Trucks (diesel)	Worker Vehicles (gasoline)
	Gallons			
Plant 1	652,686	6,764	11,259	41,240
Plant 2	934,480	3,268	17,130	55,240
Joint Plant	6,988	8	233	326
Collection System	681,845	12,044	20,108	40,555
Total	**2,275,999**	**22,084**	**48,730**	**137,361**

Note: FMP = Facilities Master Plan.

In summary, construction of the FMP over 19 years is conservatively anticipated to consume 137,361 gallons of gasoline and 2,346,813 gallons of diesel. Averaged over 19 years, it is anticipated that the FMP would consume on average 7,230 gallons of gasoline and 123,516 gallons of diesel per year.

For disclosure only, by comparison, California as a whole consumes approximately 29 billion gallons of petroleum per year. Countywide total petroleum use by on-road vehicles only (i.e., not including construction off-road equipment) is expected to be 1.4 billion gallons per year in 2020 (CARB 2020b). Based on these assumptions, the FMP would require a fraction of the petroleum that would be consumed in California and countywide over the course of the construction period. Therefore, impacts to energy resources during construction would be less than significant.

Operation

The FMP projects would rehabilitate, replace, or abandon existing facilities that are currently subject to ongoing operations and maintenance activity. Accordingly, the FMP projects addressed in this PEIR do not propose appreciable changes to regular operations and maintenance activity by Sanitation District personnel. Therefore, operation of the FMP projects are not anticipated to generate an increase in energy demand, with the exception of the permanent Seal Beach pump station emergency generator, as further described below.

When replacing or rehabilitating facilities, the Sanitation District uses energy efficient devices as available. For example, when replacing equipment, the Sanitation District installs energy efficient motors, which in addition to reducing energy consumption, also save costs over time. In addition, when installing larger pumps, the Sanitation District uses variable frequency drives or soft start controls to avoid a large inrush current of starting a large motor.

Plant 1 includes various replacement and rehabilitation projects, with only one project (X-090) including construction of a structure. X-090, Network, Telecommunications, and Server Relocation at Plant 1, includes construction of an approximately 200-square-foot utility building to house Sanitation District network, telecommunications, and servers, which would not result in typical building energy usage.

Similar to Plant 1, Plant 2 includes various replacement and rehabilitation projects, with only P2-126 and P2-138 including structural replacements. For P2-126, Substation and Warehouse Replacement at Plant 2, the existing 21,000-square-foot warehouse would be demolished and reconstructed in a new location, which is anticipated to be larger (approximately 30,100 square feet) as some outdoor storage may be moved to indoor storage. While the new warehouse would be larger in size, it is not anticipated to generate substantially greater electricity or natural gas use. P2-126 also includes replacement of a SCE substation and replacement of a service center (approximately 3,100 square feet), both of which are anticipated to be approximately the same size as the existing structures and would not result in a net increase in operational energy use as these structures because they will primarily house electrical systems and equipment. P2-138, Operations and Maintenance Complex at Plant 2, would demolish the existing building and guard shack totaling 36,680 square feet and construct a new building (35,700 square feet) and new guard shack (200 square feet). Overall, the new structures would be slightly less square footage than the existing structures and would increase building energy efficiency as a result of complying with current building code (2019 Title 24 Building Energy Efficiency Standards at a minimum).[7]

The joint plant projects primarily consist of improvements of plantwide electrical and control systems; however, J-133 would result in a new structure. For J-133, Laboratory Rehabilitation or Replacement at Plant 1, the existing 40,000-square-foot laboratory building located at Plant 1 would be rehabilitated or replaced. The replacement J-133 building would be the same size, but since it would be built consistent with current building codes, including the latest Title 24 building energy efficiency standards applicable at the time of development, it is anticipated to be more energy efficient than the existing building.

[7] As an historical example, from the 2008 to the 2013 Title 24 standards, it was estimated that buildings constructed in accordance with the 2013 standards would use 25% less energy for lighting, heating, cooling, ventilation, and water heating than the 2008 standards (CEC 2012). From the 2013 to the 2016 Title 24 Standards, in general, nonresidential buildings built to the 2016 standards will use an estimated 5% less energy than those built to the 2013 standards (CEC 2015). From the 2016 to the 2019 Title 24 Standards, in general, nonresidential buildings built to the 2019 standards are anticipated to use an estimated 30% less energy than those built to the 2016 standards (CEC 2018a). Accordingly, it has been demonstrated that over time, the Title 24 standard updates have continuously improved energy efficiency in new construction.

For the collection system projects, which primarily consist of replacement or rehabilitation of pipelines and pump stations, once the replacement or rehabilitation is complete, no new routine operational activity or associated GHG maintenance emissions would occur. Minor maintenance would occur consistent with existing conditions. X-060, Newhope Placentia Chemical Dosing Station, includes removal of an existing pump station and construction of a new chemical dosing station at the abandoned pump station site. The chemical dosing station is anticipated to be small (less than 100 square feet) and would not consume energy typical of building operation since it would be used primarily to house the chemicals.

As previously mentioned, no projects under the FMP are anticipated to require additional Sanitation District personnel. To the extent feasible, replacement and rehabilitation projects would assist in improving energy efficiency. As with construction, project operation is not anticipated to have an effect on peak or base demand for electricity or base demand for natural gas, would be sufficiently served by existing supply from SCE (electricity) and SoCalGas (natural gas), would not have an effect on local or regional energy supplies or require additional capacity.[8]

As noted under Section 4.5.3.2, Approach and Methodology, the existing temporary diesel-fueled emergency generator at the Seal Beach pump station (3-67) would be replaced with a permanent diesel-fueled emergency generator. Estimated energy consumption (diesel fuel) from testing and maintenance for the permanent diesel-fueled emergency generator is approximately 4,672 gallons of diesel per year. Generator energy consumption is anticipated to be overestimated, as it was assumed that the new emergency generator would operate up to 50 hours per year for maintenance and testing; however, based on existing practice, the pump station emergency generators are typically tested for approximately 6 hours per year.

Therefore, FMP operation would not result in wasteful, inefficient, or unnecessary consumption of energy resources and impacts to energy resources during operations would be less than significant.

As discussed above, construction of FMP projects would not result in a wasteful, inefficient, or unnecessary use of energy. In addition, the FMP projects buildings would not result in a net increase in operational energy electricity or natural gas use and instead, would potentially improve energy efficiency at replacement buildings, no net increase in operational transportation fuel would occur, and diesel fuel from emergency generator testing is anticipated to be minimal. Therefore, impacts would be less than significant.

2. Would the project conflict with or obstruct a state or local plan for renewable energy or energy efficiency?

Less-than-Significant Impact. For this analysis of energy impacts, all FMP components are assessed together.

Part 6 of Title 24 of the California Code of Regulations establishes energy efficiency standards for residential and nonresidential buildings constructed in California to reduce energy demand and consumption. Part 6 is updated periodically (every 3 years) to incorporate and consider new energy efficiency technologies and methodologies. Title 24 also includes Part 11, CALGreen. CALGreen institutes mandatory minimum environmental performance standards for all ground-up, new construction of commercial and state-owned buildings. The FMP projects that include replacement structures would meet all applicable Title 24 and CALGreen standards to reduce energy demand and increase energy efficiency. In addition, the FMP projects would be required to comply with all applicable rules and regulations presented in Section 4.5.2.

[8] Electricity and natural gas infrastructure is typically expanded in response to increasing demand, and system expansion and improvements by SCE and SoCal Gas occur as needed. Because the FMP is not anticipated to use substantial amounts of electricity or natural gas, no effect on local supply or infrastructure would occur.

Additionally, as discussed in Section 4.7 (Greenhouse Gas Emissions), the FMP projects would not conflict with the various local plans that would reduce energy use, including the City of Fullerton CAP, the City of Huntington Beach Greenhouse Gas Reduction Program, the City of La Habra CAP, and the City of Santa Ana CAP. Overall, the FMP would not conflict with or obstruct a state or local plan for renewable energy or energy efficiency; therefore, impacts during construction and operation of the FMP would be less than significant.

4.5.5 Mitigation Measures

The FMP projects addressed in this PEIR are not anticipated to result in significant impacts related to energy, so no mitigation measures are warranted.

4.5.6 Level of Significance After Mitigation

No mitigation measures are proposed, and energy impacts would be less than significant without mitigation.

4.5.7 Cumulative Impacts

Cumulative projects that could exacerbate the proposed FMP's impacts include any projects that could result in wasteful, inefficient, or unnecessary use of energy. However, the FMP would not result in wasteful, inefficient, or unnecessary use of energy during proposed construction activities. Additionally, the FMP is not anticipated to result in a net increase in operational energy use from replacement buildings, and replacement buildings are anticipated to improve energy efficiency, no net increase in operational transportation fuel would occur, and diesel fuel from emergency generator testing is anticipated to be minimal. Therefore, cumulative impacts to energy use would be less than cumulatively considerable. No mitigation is required.

4.5.8 Impact Summary

Table 4.5-6 summarizes the impacts for the FMP projects assessed at the project level at Plant 1, Plant 2, joint plant projects, and collection system projects under each threshold analyzed in this PEIR.

Energy consumption resulting from FMP implementation should be considered on the whole instead of at an individual project level, as evaluated in Section 4.5.4. Accordingly, the overall impact determination for each energy threshold, as evaluated for the entire FMP, is applied to all project-level components in Table 4.5-6.

Table 4.5-6. Summary of FMP Project Impacts

Project Number	Project Name	Project Type	Level of Significance Prior to Mitigation	Mitigation Measures	Level of Significance After Mitigation
Would the project result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?					
Plant 1					
P1-126	Primary Clarifiers Replacements and Improvements	Replace	Less than Significant	—	Less than Significant

Table 4.5-6. Summary of FMP Project Impacts

Project Number	Project Name	Project Type	Level of Significance Prior to Mitigation	Mitigation Measures	Level of Significance After Mitigation
X-093	Administrative Facilities and Power Building 3A Demolition	Misc. (Demo)	Less than Significant	—	Less than Significant
X-092	Standby Generator Feeders for Plant 1 Secondary Systems	Misc.	Less than Significant	—	Less than Significant
X-048	Activated Sludge (AS)-1 Aeration Basin and Blower Rehabilitation	Rehab	Less than Significant	—	Less than Significant
P1-135	Digester Ferric Piping Replacement	Replace	Less than Significant	—	Less than Significant
X-077	Switchgear Replacement at Central Generation	Replace	Less than Significant	—	Less than Significant
X-090	Network, Telecommunications, and Service Relocation at Plant 1	Misc.	Less than Significant	—	Less than Significant
Plant 2					
P2-126	Substation and Warehouse Replacement at Plant 2	Misc.	Less than Significant	—	Less than Significant
X-050	Activated Sludge (AS) Aeration Basin	Rehab	Less than Significant	—	Less than Significant
X-032	Truck Loading Facility Rehabilitation	Rehab	Less than Significant	—	Less than Significant
X-054	Waste Side-Stream Pump Station C Rehabilitation	Rehab	Less than Significant	—	Less than Significant
X-034	Sodium Bisulfite Station Replacement and Bleach Station Demolition	Replace	Less than Significant	—	Less than Significant
P2-138	Operations and Maintenance Complex at Plant 2	Replace	Less than Significant	—	Less than Significant
Joint Plant Projects					
J-98	Plantwide Miscellaneous Electrical Power Distribution System Improvements	Replace	Less than Significant	—	Less than Significant
J-120	Plantwide Miscellaneous Process Control Systems Upgrades	Replace	Less than Significant	—	Less than Significant
J-133	Laboratory Rehabilitation or Replacement at Plant 1	Rehab	Less than Significant	—	Less than Significant
X-057	Plantwide Miscellaneous Yard Structures Rehabilitation or Replacement	Misc.	Less than Significant	—	Less than Significant
X-058	Plantwide Miscellaneous Yard Piping Replacement	Replace	Less than Significant	—	Less than Significant
X-059	Plantwide Miscellaneous Tunnels Rehabilitation	Rehab	Less than Significant	—	Less than Significant
J-121	UPS System Upgrades	Replace	Less than Significant	—	Less than Significant
X-044	Steve Anderson Lift Station Rehabilitation	Rehab	Less than Significant	—	Less than Significant

Table 4.5-6. Summary of FMP Project Impacts

Project Number	Project Name	Project Type	Level of Significance Prior to Mitigation	Mitigation Measures	Level of Significance After Mitigation
Collection System Projects					
5-68	Newport Beach Pump Station Odor Control Improvements	Misc.	Less than Significant	—	Less than Significant
X-076	Santa Ana Trunk Sewer Rehabilitation Phase II	Rehab	Less than Significant	—	Less than Significant
X-082	North Trunk Improvement Project	Replace	Less than Significant	—	Less than Significant
X-060	Newhope Placentia Chemical Dosing Station	Misc.	Less than Significant	—	Less than Significant
11-33	Edinger Pumping Station Replacement	Replace	Less than Significant	—	Less than Significant
X-063	South Santa Ana River Interceptor Connector Rehabilitation	Rehab	Less than Significant	—	Less than Significant
2-73	Yorba Linda Pump Station Abandonment	Misc.	Less than Significant	—	Less than Significant
3-67	Seal Beach Pump Station Replacement	Replace	Less than Significant	—	Less than Significant
2-49	Taft Branch Sewer Improvements	Replace	Less than Significant	—	Less than Significant
X-083	Greenville–Sullivan Sewer Relief Project	Replace	Less than Significant	—	Less than Significant
Would the project conflict with or obstruct a state or local plan for renewable energy or energy efficiency?					
Plant 1					
P1-126	Primary Clarifiers Replacements and Improvements	Replace	Less than Significant	—	Less than Significant
X-093	Administrative Facilities and Power Building 3A Demolition	Misc. (Demo)	Less than Significant	—	Less than Significant
X-092	Standby Generator Feeders for Plant 1 Secondary Systems	Misc.	Less than Significant	—	Less than Significant
X-048	Activated Sludge (AS)-1 Aeration Basin and Blower Rehabilitation	Rehab	Less than Significant	—	Less than Significant
P1-135	Digester Ferric Piping Replacement	Replace	Less than Significant	—	Less than Significant
X-077	Switchgear Replacement at Central Generation	Replace	Less than Significant	—	Less than Significant
X-090	Network, Telecommunications, and Service Relocation at Plant 1	Misc.	Less than Significant	—	Less than Significant
Plant 2					
P2-126	Substation and Warehouse Replacement at Plant 2	Misc.	Less than Significant	—	Less than Significant
X-050	Activated Sludge (AS) Aeration Basin	Rehab	Less than Significant	—	Less than Significant

Table 4.5-6. Summary of FMP Project Impacts

Project Number	Project Name	Project Type	Level of Significance Prior to Mitigation	Mitigation Measures	Level of Significance After Mitigation
X-032	Truck Loading Facility Rehabilitation	Rehab	Less than Significant	—	Less than Significant
X-054	Waste Side-Stream Pump Station C Rehabilitation	Rehab	Less than Significant	—	Less than Significant
X-034	Sodium Bisulfite Station Replacement and Bleach Station Demolition	Replace	Less than Significant	—	Less than Significant
P2-138	Operations and Maintenance Complex at Plant 2	Replace	Less than Significant	—	Less than Significant
Joint Plant Projects					
J-98	Plantwide Miscellaneous Electrical Power Distribution System Improvements	Replace	Less than Significant	—	Less than Significant
J-120	Plantwide Miscellaneous Process Control Systems Upgrades	Replace	Less than Significant	—	Less than Significant
J-133	Laboratory Rehabilitation or Replacement at Plant 1	Rehab	Less than Significant	—	Less than Significant
X-057	Plantwide Miscellaneous Yard Structures Rehabilitation or Replacement	Misc.	Less than Significant	—	Less than Significant
X-058	Plantwide Miscellaneous Yard Piping Replacement	Replace	Less than Significant	—	Less than Significant
X-059	Plantwide Miscellaneous Tunnels Rehabilitation	Rehab	Less than Significant	—	Less than Significant
J-121	UPS System Upgrades	Replace	Less than Significant	—	Less than Significant
X-044	Steve Anderson Lift Station Rehabilitation	Rehab	Less than Significant	—	Less than Significant
Collection System Projects					
5-68	Newport Beach Pump Station Odor Control Improvements	Misc.	Less than Significant	—	Less than Significant
X-076	Santa Ana Trunk Sewer Rehabilitation Phase II	Rehab	Less than Significant	—	Less than Significant
X-082	North Trunk Improvement Project	Replace	Less than Significant	—	Less than Significant
X-060	Newhope Placentia Chemical Dosing Station	Misc.	Less than Significant	—	Less than Significant
11-33	Edinger Pumping Station Replacement	Replace	Less than Significant	—	Less than Significant
X-063	South Santa Ana River Interceptor Connector Rehabilitation	Rehab	Less than Significant	—	Less than Significant
2-73	Yorba Linda Pump Station Abandonment	Misc.	Less than Significant	—	Less than Significant
3-67	Seal Beach Pump Station Replacement	Replace	Less than Significant	—	Less than Significant
2-49	Taft Branch Sewer Improvements	Replace	Less than Significant	—	Less than Significant

Table 4.5-6. Summary of FMP Project Impacts

Project Number	Project Name	Project Type	Level of Significance Prior to Mitigation	Mitigation Measures	Level of Significance After Mitigation
X-083	Greenville–Sullivan Sewer Relief Project	Replace	Less than Significant	—	Less than Significant

Note: UPS = uninterruptible power system.

4.5.9 References

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Tables

4.7 Greenhouse Gas Emissions

This section describes the existing conditions related to greenhouse gas (GHG) emissions, identifies associated regulatory requirements, evaluates potential GHG emissions impacts, and identifies mitigation measures related to implementation of the proposed Facilities Master Plan (FMP).

4.7.1 Existing Conditions

4.7.1.1 Climate Change Overview

Climate change refers to any significant change in measures of climate, such as temperature, precipitation, or wind patterns, lasting for an extended period of time (decades or longer). The Earth's temperature depends on the balance between energy entering and leaving the planet's system. Many factors, both natural and human, can cause changes in Earth's energy balance, including variations in the sun's energy reaching Earth, changes in the reflectivity of Earth's atmosphere and surface, and changes in the greenhouse effect, which affects the amount of heat retained by Earth's atmosphere (EPA 2017a).

The greenhouse effect is the trapping and build-up of heat in the atmosphere (troposphere) near the Earth's surface. The greenhouse effect traps heat in the troposphere through a threefold process as follows: short-wave radiation emitted by the Sun is absorbed by the Earth, the Earth emits a portion of this energy in the form of long-wave radiation, and GHGs in the upper atmosphere absorb this long-wave radiation and emit it into space and toward the Earth. The greenhouse effect is a natural process that contributes to regulating the Earth's temperature and creates a pleasant, livable environment on the Earth. Human activities that emit additional GHGs to the atmosphere increase the amount of infrared radiation that gets absorbed before escaping into space, thus enhancing the greenhouse effect and causing the Earth's surface temperature to rise.

The scientific record of the Earth's climate shows that the climate system varies naturally over a wide range of time scales and that, in general, climate changes prior to the Industrial Revolution in the 1700s can be explained by natural causes, such as changes in solar energy, volcanic eruptions, and natural changes in GHG concentrations. Recent climate changes, in particular the warming observed over the past century, however, cannot be explained by natural causes alone. Rather, it is extremely likely that human activities have been the dominant cause of that warming since the mid-twentieth century and is the most significant driver of observed climate change (IPCC 2013; EPA 2017a). Human influence on the climate system is evident from the increasing GHG concentrations in the atmosphere, positive radiative forcing, observed warming, and improved understanding of the climate system (IPCC 2013). The atmospheric concentrations of GHGs have increased to levels unprecedented in the last 800,000 years, primarily from fossil fuel emissions and secondarily from emissions associated with land use changes (IPCC 2013). Continued emissions of GHGs will cause further warming and changes in all components of the climate system.

4.7.1.2 Greenhouse Gases

A GHG is any gas that absorbs infrared radiation in the atmosphere; in other words, GHGs trap heat in the atmosphere. As defined in California Health and Safety Code Section 38505(g), for purposes of administering many of the state's primary GHG emissions reduction programs, GHGs include carbon dioxide (CO_2), methane (CH_4), nitrous oxide (N_2O), hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), sulfur hexafluoride (SF_6), and nitrogen

trifluoride (NF_3) (see also 14 CCR 15364.5).[1] Some GHGs, such as CO_2, CH_4, and N_2O, are emitted into the atmosphere through natural processes and human activities. Of these gases, CO_2 and CH_4 are emitted in the greatest quantities from human activities. Manufactured GHGs, which have a much greater heat-absorption potential than CO_2, include fluorinated gases, such as HFCs, PFCs, and SF_6, which are associated with certain industrial products and processes. The following paragraphs provide a summary of the most common GHGs and their sources.[2]

Carbon Dioxide. CO_2 is a naturally occurring gas and a by-product of human activities and is the principal anthropogenic GHG that affects the Earth's radiative balance. Natural sources of CO_2 include respiration of bacteria, plants, animals, and fungus; evaporation from oceans; volcanic out-gassing; and decomposition of dead organic matter. Human activities that generate CO_2 are from the combustion of fuels such as coal, oil, natural gas, and wood and changes in land use.

Methane. CH_4 is produced through both natural and human activities. CH_4 is a flammable gas and is the main component of natural gas. Methane is produced through anaerobic (without oxygen) decomposition of waste in landfills, flooded rice fields, animal digestion, decomposition of animal wastes, production and distribution of natural gas and petroleum, coal production, and incomplete fossil fuel combustion.

Nitrous Oxide. N_2O is produced through natural and human activities, mainly through agricultural activities and natural biological processes, although fuel burning and other processes also create N_2O. Sources of N_2O include soil cultivation practices (microbial processes in soil and water), especially the use of commercial and organic fertilizers, manure management, industrial processes (such as in nitric acid production, nylon production, and fossil-fuel-fired power plants), vehicle emissions, and using N_2O as a propellant (such as in rockets, racecars, and aerosol sprays).

Fluorinated Gases. Fluorinated gases (also referred to as F-gases) are synthetic powerful GHGs emitted from many industrial processes. Fluorinated gases are commonly used as substitutes for stratospheric ozone-depleting substances (e.g., CFCs, hydrochlorofluorocarbons [HCFCs], and halons). The most prevalent fluorinated gases include the following:

- **Hydrofluorocarbons:** HFCs are compounds containing only hydrogen, fluorine, and carbon atoms. HFCs are synthetic chemicals used as alternatives to ozone-depleting substances in serving many industrial, commercial, and personal needs. HFCs are emitted as by-products of industrial processes and are used in manufacturing.
- **Perfluorocarbons:** PFCs are a group of human-made chemicals composed of carbon and fluorine only. These chemicals were introduced as alternatives, with HFCs, to the ozone depleting substances. The two main sources of PFCs are primary aluminum production and semiconductor manufacturing. Since PFCs have stable molecular structures and do not break down through the chemical processes in the lower atmosphere, these chemicals have long lifetimes, ranging between 10,000 and 50,000 years.

[1] Climate forcing substances include GHGs and other substances such as black carbon and aerosols. This discussion focuses on the seven GHGs identified in the California Health and Safety Code Section 38505, because impacts associated with other climate forcing substances are not evaluated herein.

[2] The descriptions of GHGs are summarized from the Intergovernmental Panel on Climate Change's Second Assessment Report and Fourth Assessment Report (IPCC 1995, 2007), the California Air Resources Board's Glossary of Terms Used in GHG Inventories (CARB 2018), and the U.S. Environmental Protection Agency's Glossary of Climate Change Terms (EPA 2016).

- **Sulfur Hexafluoride:** SF_6 is a colorless gas soluble in alcohol and ether and slightly soluble in water. SF_6 is used for insulation in electric power transmission and distribution equipment, semiconductor manufacturing, the magnesium industry, and as a tracer gas for leak detection.
- **Nitrogen Trifluoride:** NF_3 is used in the manufacture of a variety of electronics, including semiconductors and flat panel displays.

Chlorofluorocarbons. CFCs are synthetic chemicals that have been used as cleaning solvents, refrigerants, and aerosol propellants. CFCs are chemically unreactive in the lower atmosphere (troposphere) and the production of CFCs was prohibited in 1987 due to the chemical destruction of stratospheric O_3.

Hydrochlorofluorocarbons. HCFCs are a large group of compounds, whose structure is very close to that of CFCs—containing hydrogen, fluorine, chlorine, and carbon atoms—but including one or more hydrogen atoms. Like HFCs, HCFCs are used in refrigerants and propellants. HCFCs were also used in place of CFCs for some applications; however, their use in general is being phased out.

Black Carbon. Black carbon is a component of fine particulate matter, which has been identified as a leading environmental risk factor for premature death. It is produced from the incomplete combustion of fossil fuels and biomass burning, particularly from older diesel engines and forest fires. Black carbon warms the atmosphere by absorbing solar radiation, influences cloud formation, and darkens the surface of snow and ice, which accelerates heat absorption and melting. Black carbon is a short-lived species that varies spatially, which makes it difficult to quantify the global warming potential. Diesel particulate matter emissions are a major source of black carbon and are toxic air contaminants that have been regulated and controlled in California for several decades to protect public health. In relation to declining diesel particulate matter from the California Air Resources Board's (CARB's) regulations pertaining to diesel engines, diesel fuels, and burning activities, CARB estimates that annual black carbon emissions in California have reduced by 70% between 1990 and 2010, with 95% control expected by 2020 (CARB 2014).

Water Vapor. The primary source of water vapor is evaporation from the ocean, with additional vapor generated by sublimation (change from solid to gas) from ice and snow, evaporation from other water bodies, and transpiration from plant leaves. Water vapor is the most important, abundant, and variable GHG in the atmosphere and maintains a climate necessary for life.

Ozone. Tropospheric O_3, which is created by photochemical reactions involving gases from both natural sources and human activities, acts as a GHG. Stratospheric O_3, which is created by the interaction between solar ultraviolet radiation and molecular oxygen (O_2), plays a decisive role in the stratospheric radiative balance. Depletion of stratospheric O_3, due to chemical reactions that may be enhanced by climate change, results in an increased ground-level flux of ultraviolet-B radiation.

Aerosols. Aerosols are suspensions of particulate matter in a gas emitted into the air through burning biomass (plant material) and fossil fuels. Aerosols can warm the atmosphere by absorbing and emitting heat and can cool the atmosphere by reflecting light.

4.7.1.3 Global Warming Potential

Gases in the atmosphere can contribute to climate change both directly and indirectly. Direct effects occur when the gas itself absorbs radiation. Indirect radiative forcing occurs when chemical transformations of the substance produce other GHGs, when a gas influences the atmospheric lifetimes of other gases, and/or when a gas affects

atmospheric processes that alter the radiative balance of the Earth (e.g., affect cloud formation or albedo) (EPA 2020a). The Intergovernmental Panel on Climate Change (IPCC) developed the global warming potential (GWP) concept to compare the ability of each GHG to trap heat in the atmosphere relative to another gas. The GWP of a GHG is defined as the ratio of the time-integrated radiative forcing from the instantaneous release of 1 kilogram of a trace substance relative to that of 1 kilogram of a reference gas (IPCC 2014). The reference gas used is CO_2; therefore, GWP-weighted emissions are measured in metric tons of CO_2 equivalent (MT CO_2e).

The current version of the California Emissions Estimator Model (CalEEMod) (Version 2016.3.2) assumes that the GWP for CH_4 is 25 (so emissions of 1 MT of CH_4 are equivalent to emissions of 25 MT of CO_2), and the GWP for N_2O is 298, based on the IPCC's Fourth Assessment Report (IPCC 2007). The GWP values identified in CalEEMod were applied to the FMP projects.

4.7.1.4 Sources of Greenhouse Gas Emissions

Per the U.S. Environmental Protection Agency (EPA) Inventory of U.S. Greenhouse Gas Emissions and Sinks: 1990–2018 (EPA 2020a), total United States GHG emissions were approximately 6,676.6 million metric tons (MMT) CO_2e in 2018 (EPA 2020a). The primary GHG emitted by human activities in the United States was CO_2, which represented approximately 81.3% of total GHG emissions (5,428.1 MMT CO_2e). The largest source of CO_2, and of overall GHG emissions, was fossil-fuel combustion, which accounted for approximately 92.8% of CO_2 emissions in 2018 (5,031.8 MMT CO_2e). Relative to 1990, gross United States GHG emissions in 2018 are higher by 3.7%, down from a high of 15.2% above 1990 levels in 2007. GHG emissions decreased from 2017 to 2018 by 2.9% (188.4 MMT CO_2e) and overall, net emissions in 2018 were 10.2% below 2005 levels (EPA 2020a).

According to California's 2000–2017 GHG emissions inventory (2019 edition), California emitted 424 MMT CO_2e in 2017, including emissions resulting from out-of-state electrical generation (CARB 2019). The sources of GHG emissions in California include transportation, industry, electric power production from both in-state and out-of-state sources, residential and commercial activities, agriculture, high GWP substances, and recycling and waste. The California GHG emission source categories and their relative contributions in 2017 are presented in Table 4.7-1.

Table 4.7-1. Greenhouse Gas Emissions Sources in California

Source Category	Annual GHG Emissions (MMT CO_2e)	Percent of Total[a]
Transportation	169.86	40%
Industrial	89.40	21%
Electric power[b]	62.39	15%
Agriculture	32.42	8%
Residential	26.00	6%
Commercial	15.14	4%
High global-warming potential substances	19.99	5%
Recycling and waste	8.89	2%
Total	**424.10**	**100%**

Source: CARB 2019.
Notes: GHG = greenhouse gas; MMT CO_2e = million metric tons of carbon dioxide equivalent per year.
Emissions reflect the 2017 California GHG inventory.
[a] Percentage of total has been rounded, and total may not sum due to rounding.
[b] Includes emissions associated with imported electricity, which account for 26.28 MMT CO_2e annually.

Between 2000 and 2017, per-capita GHG emissions in California have dropped from a peak of 14.1 MT per person in 2001 to 10.7 MT per person in 2017, representing a 24% decrease. In addition, total GHG emissions in 2017 were approximately 5 MMT CO_2e less than 2016 emissions (CARB 2019).

As explained in more detail in Section 4.7.2, the Cities of Fullerton, Huntington Beach, La Habra, and Santa Ana, where FMP components are located, have adopted GHG emission reduction plans, such as a Climate Action Plan (CAP), which include local GHG emission inventories. The GHG inventories for these cities for their selected inventory year are as follows: 1,711,836 MT CO_2e for the City of Fullerton in 2009 (City of Fullerton 2012), 1,432,540 MT CO_2e for the City of Huntington Beach in 2012 (City of Huntington Beach 2017), 284,089 MT CO_2e for the City of La Habra in 2010 (City of La Habra 2014), and 1,959,431 for the City of Santa Ana in 2008 (City of Santa Ana 2015).

4.7.1.5 Potential Effects of Climate Change

Globally, climate change has the potential to affect numerous environmental resources through uncertain impacts related to future air temperatures and precipitation patterns. The 2014 IPCC Synthesis Report (IPCC 2014) indicated that warming of the climate system is unequivocal, and since the 1950s, many of the observed changes are unprecedented over decades to millennia. Signs that global climate change has occurred include warming of the atmosphere and ocean, diminished amounts of snow and ice, rising sea levels, and ocean acidification (IPCC 2014).

In California, climate change impacts have the potential to affect sea-level rise, agriculture, snowpack and water supply, forestry, wildfire risk, public health, frequency of severe weather events, and electricity demand and supply. The primary effect of global climate change has been a rise in average global tropospheric temperature. Reflecting the long-term warming trend since pre-industrial times, observed global mean surface temperature for the decade 2006–2015 was 0.87°C (likely between 0.75°C and 0.99°C) higher than the average over the 1850–1900 period (IPCC 2018). Scientific modeling predicts that continued emissions of GHGs at or above current rates would induce more extreme climate changes during the twenty-first century than were observed during the twentieth century. Human activities are estimated to have caused approximately 1.0°C (1.8°F) of global warming above pre-industrial levels, with a likely range of 0.8°C to 1.2°C (1.4°F to 2.2°F) (IPCC 2018). Global warming is likely to reach 1.5°C (2.7°F) between 2030 and 2052 if it continues to increase at the current rate (IPCC 2018).

Although climate change is driven by global atmospheric conditions, climate change impacts are felt locally. A scientific consensus confirms that climate change is already affecting California. The Office of Environmental Health Hazard Assessment identified various indicators of climate change in California, which are scientifically based measurements that track trends in various aspects of climate change. Many indicators reveal discernible evidence that climate change is occurring in California and is having significant, measurable impacts in the state. Changes in the state's climate have been observed including an increase in annual average air temperature with record warmth from 2012 to 2016, more frequent extreme heat events, more extreme drought, a decline in winter chill, an increase in cooling degree days and a decrease in heating degree days, and an increase in variability of statewide precipitation (OEHHA 2018).

Warming temperatures and changing precipitation patterns have altered California's physical systems—the ocean, lakes, rivers and snowpack—upon which the state depends. Winter snowpack and spring snowmelt runoff from the Sierra Nevada and southern Cascade Mountains provide approximately one-third of the state's annual water supply. Impacts of climate on physical systems have been observed such as high variability of snow-water content (i.e., amount of water stored in snowpack), decrease in spring snowmelt runoff, glacier change (loss in area), rise in sea levels, increase in average lake water temperature and coastal ocean temperature, and a decrease in dissolved oxygen in coastal waters (OEHHA 2018).

Impacts of climate change on biological systems, including humans, wildlife, and vegetation, have also been observed including climate change impacts on terrestrial, marine, and freshwater ecosystems. As with global observations, species responses include those consistent with warming: elevational or latitudinal shifts in range, changes in the timing of key plant and animal life cycle events, and changes in the abundance of species and in community composition. Humans are better able to adapt to a changing climate than plants and animals in natural ecosystems. Nevertheless, climate change poses a threat to public health as warming temperatures and changes in precipitation can affect vector-borne pathogen transmission and disease patterns in California as well as the variability of heat-related deaths and illnesses. In addition, since 1950, the area burned by wildfires each year has been increasing.

The California Natural Resources Agency (CNRA) has released four California Climate Change Assessments (2006, 2009, 2012, and 2018), which have addressed the following: acceleration of warming across the state, more intense and frequent heat waves, greater riverine flows, accelerating sea level rise, more intense and frequent drought, more severe and frequent wildfires, more severe storms and extreme weather events, shrinking snowpack and less overall precipitation, and ocean acidification, hypoxia, and warming. To address local and regional governments' need for information to support action in their communities, the Fourth Assessment (CNRA 2018a) includes reports for nine regions of the state, including the Los Angeles Region, which includes Orange County where the FMP projects are located. Key projected climate changes for the Los Angeles Region include the following (CNRA 2018a):

- Continued future warming over the Los Angeles region. Across the region, average maximum temperatures are projected to increase around 4°F to 5°F by the mid-century, and 5°F to 8°F by the late-century.
- Extreme temperatures are also expected to increase. The hottest day of the year may be up to 10°F warmer for many locations across the Los Angeles region by the late century under certain model scenarios. The number of extremely hot days is also expected to increase across the region.
- Despite small changes in average precipitation, dry and wet extremes are both expected to increase. By the late twenty-first century, the wettest day of the year is expected to increase across most of the Los Angeles region, with some locations experiencing 25% to 30% increases under certain model scenarios. Increased frequency and severity of atmospheric river events are also projected to occur for this region.
- Sea levels are projected to continue to rise in the future, but there is a large range based on emissions scenario and uncertainty in feedbacks in the climate system. Roughly 1 feet to 2 feet of sea level rise is projected by the mid-century, and the most extreme projections lead to 8 feet to 10 feet of sea level rise by the end of the century.
- Projections indicate that wildfire may increase over southern California, but there remains uncertainty in quantifying future changes of burned area over the Los Angeles region.

4.7.2 Relevant Plans, Policies, and Ordinances

International

United Nations Framework Convention on Climate Change, Kyoto Protocol, and Paris Agreement

In 1992, numerous countries joined an international treaty—the United Nations Framework Convention on Climate Change (UNFCCC)—as a framework for international cooperation to combat climate change by limiting average global temperature increases and the resulting climate change, and coping with associated impacts. Currently, there are 197 Parties (196 States and 1 regional economic integration organization) in the UNFCCC (UNFCCC 2019).

By 1995, countries launched negotiations to strengthen the global response to climate change, and, 2 years later, adopted the Kyoto Protocol, which was the first international agreement to regulate GHG emissions. The Kyoto Protocol legally binds developed country Parties to emission reduction targets. The Protocol's first commitment period started in 2008 and ended in 2012. The second commitment period began on January 1, 2013, and will end in 2020. More than 160 countries signed the Kyoto Protocol (UNFCCC 2019). In 2001, President George W. Bush indicated that he would not submit the treaty to the U.S. Senate for ratification, which effectively ended the United States' involvement in the Kyoto Protocol.

The 2015 Paris Agreement, adopted in Paris on December 12, 2015, marks the latest step in the evolution of the United Nations' climate change regime and builds on the work undertaken under the UNFCCC. The Paris Agreement charts a new course in the global effort to combat climate change. The Paris Agreement's central aim is to strengthen the global response to the threat of climate change by keeping a global temperature rise this century well below 2°C above pre-industrial levels and to pursue efforts to limit the temperature increase even further to 1.5°C (UNFCCC 2019). The Paris Agreement also aims to strengthen the ability of countries to deal with the impacts of climate change. The Paris Agreement requires all Parties to put forward their best efforts through nationally determined contributions and to strengthen these efforts in the years ahead.

The Paris Agreement entered into force on November 4, 2016, 30 days after the date on which at least 55 Parties to the UNFCCC, accounting in total for at least an estimated 55% of the total global GHG emissions, deposited their instruments of ratification, acceptance, approval or accession with the Depositary (UNFCCC 2019). On November 4, 2019, the Trump Administration gave formal notice of intention to withdraw from the Paris Agreement; however, withdrawal becomes effective one year after notification (in November 2020).

Federal

Massachusetts v. EPA

In *Massachusetts v. EPA* (April 2007), the U.S. Supreme Court directed the EPA administrator to determine whether GHG emissions from new motor vehicles cause or contribute to air pollution that may reasonably be anticipated to endanger public health or welfare, or whether the science is too uncertain to make a reasoned decision. In December 2009, the administrator signed a final rule with the following two distinct findings regarding GHGs under Section 202(a) of the federal Clean Air Act:

- The administrator found that elevated concentrations of GHGs—CO_2, CH_4, N_2O, HFCs, PFCs, and SF_6—in the atmosphere threaten the public health and welfare of current and future generations. This is the "endangerment finding."
- The administrator further found the combined emissions of GHGs—CO_2, CH_4, N_2O, and HFCs—from new motor vehicles and new motor vehicle engines contribute to the GHG air pollution that endangers public health and welfare. This is the "cause or contribute finding."

These two findings were necessary to establish the foundation for regulation of GHGs from new motor vehicles as air pollutants under the Clean Air Act.

Energy Independence and Security Act of 2007

The Energy Independence and Security Act of 2007 (December 2007), among other key measures, would do the following, which would aid in the reduction of national GHG emissions (EPA 2007):

- Increase the supply of alternative fuel sources by setting a mandatory Renewable Fuel Standard requiring fuel producers to use at least 36 billion gallons of biofuel in 2022.

- Set a target of 35 miles per gallon for the combined fleet of cars and light trucks by model year 2020, and directs National Highway Traffic Safety Administration (NHTSA) to establish a fuel economy program for medium- and heavy-duty trucks and create a separate fuel economy standard for work trucks.
- Prescribe or revise standards affecting regional efficiency for heating and cooling products and procedures for new or amended standards, energy conservation, energy-efficiency labeling for consumer electronic products, residential boiler efficiency, electric motor efficiency, and home appliances.

Federal Vehicle Standards

In response to the U.S. Supreme Court ruling previously discussed, the Bush Administration issued Executive Order (EO) 13432 in 2007 directing the EPA, the Department of Transportation, and the Department of Energy to establish regulations that reduce GHG emissions from motor vehicles, non-road vehicles, and non-road engines by 2008. In 2009, the NHTSA issued a final rule regulating fuel efficiency and GHG emissions from cars and light-duty trucks for model year 2011, and in 2010, the EPA and NHTSA issued a final rule regulating cars and light-duty trucks for model years 2012–2016 (75 FR 25324–25728).

In 2010, President Barack Obama issued a memorandum directing the Department of Transportation, Department of Energy, EPA, and NHTSA to establish additional standards regarding fuel efficiency and GHG reduction, clean fuels, and advanced vehicle infrastructure. In response to this directive, EPA and NHTSA proposed stringent, coordinated federal GHG and fuel economy standards for model years 2017–2025 light-duty vehicles. The proposed standards projected to achieve 163 grams per mile of CO_2 in model year 2025, on an average industry fleet-wide basis, which is equivalent to 54.5 miles per gallon if this level were achieved solely through fuel efficiency. The final rule was adopted in 2012 for model years 2017–2021 (77 FR 62624–63200). On January 12, 2017, the EPA finalized its decision to maintain the current GHG emissions standards for model years 2022–2025 cars and light trucks (EPA 2017b).

In addition to the regulations applicable to cars and light-duty trucks described above, in 2011, the EPA and NHTSA announced fuel economy and GHG standards for medium- and heavy-duty trucks for model years 2014–2018 (76 FR 57106–57513). The standards for CO_2 emissions and fuel consumption are tailored to three main vehicle categories: combination tractors, heavy-duty pickup trucks and vans, and vocational vehicles. According to the EPA, this regulatory program will reduce GHG emissions and fuel consumption for the affected vehicles by 6%–23% over the 2010 baselines.

In August 2016, the EPA and NHTSA announced the adoption of the phase two program related to the fuel economy and GHG standards for medium- and heavy-duty trucks. The phase two program will apply to vehicles with model year 2018 through 2027 for certain trailers, and model years 2021 through 2027 for semi-trucks, large pickup trucks, vans, and all types and sizes of buses and work trucks. The final standards are expected to lower CO_2 emissions by approximately 1.1 billion MT and reduce oil consumption by up to 2 billion barrels over the lifetime of the vehicles sold under the program (EPA and NHTSA 2016).

In August 2018, EPA and NHTSA proposed to amend certain fuel economy and GHG standards for passenger cars and light trucks and establish new standards for model years 2021 through 2026. Compared to maintaining the post-2020 standards now in place, the 2018 proposal would increase U.S. fuel consumption by about half a million barrels per day (2%–3% of total daily consumption, according to the Energy Information Administration) and would impact the global climate by 3/1000th of one degree Celsius by 2100 (EPA and NHTSA 2018). California and other states have stated their intent to challenge federal actions that would delay or eliminate GHG reduction measures and have committed to cooperating with other countries to implement global climate change initiatives.

On September 27, 2019, the EPA and NHTSA published the Safer Affordable Fuel-Efficient (SAFE) Vehicles Rule Part One: One National Program (84 FR 51310), which became effective November 26, 2019. The Part One Rule revokes California's authority to set its own GHG emissions standards and set zero-emission vehicle mandates in California. On March 31, 2020, the EPA and NHTSA issued the Part Two Rule, which will go into effect 60 days after being published in the Federal Register. The Part Two Rule sets CO_2 emissions standards and corporate average fuel economy standards for passenger vehicles and light-duty trucks for model years 2021 through 2026. This issue is evolving as California and 22 other states, as well as the District of Columbia and four cities, filed suit against the EPA and a petition for reconsideration of the rule on November 26, 2019. The litigation is not expected to be resolved for at least several months.

Clean Power Plan and New Source Performance Standards for Electric Generating Units

On October 23, 2015, EPA published a final rule (effective December 22, 2015) establishing the Carbon Pollution Emission Guidelines for Existing Stationary Sources: Electric Utility Generating Units (80 FR 64510–64660), also known as the Clean Power Plan. These guidelines prescribe how states must develop plans to reduce GHG emissions from existing fossil-fuel-fired electric generating units. The guidelines establish CO_2 emission performance rates representing the best system of emission reduction for two subcategories of existing fossil-fuel-fired electric generating units: (1) fossil-fuel-fired electric utility steam-generating units, and (2) stationary combustion turbines. Concurrently, the EPA published a final rule (effective October 23, 2015) establishing Standards of Performance for Greenhouse Gas Emissions from New, Modified, and Reconstructed Stationary Sources: Electric Utility Generating Units (80 FR 64661–65120). The rule prescribes CO_2 emission standards for newly constructed, modified, and reconstructed affected fossil-fuel-fired electric utility generating units. The U.S. Supreme Court stayed implementation of the Clean Power Plan pending resolution of several lawsuits.

State

The statewide GHG emissions regulatory framework is summarized below by category: state climate change targets, building energy, renewable energy and energy procurement, mobile sources, solid waste, water, and other state regulations and goals. The following text describes EOs, legislation, regulations, and other plans and policies that would directly or indirectly reduce GHG emissions and/or address climate change issues.

State Climate Change Targets

The state has taken a number of actions to address climate change. These include EOs, legislation, and CARB plans and requirements. These are summarized below.

EO S-3-05. EO S-3-05 (June 2005) established the following statewide goals: GHG emissions should be reduced to 2000 levels by 2010, GHG emissions should be reduced to 1990 levels by 2020, and GHG emissions should be reduced to 80% below 1990 levels by 2050.

Assembly Bill (AB) 32. In furtherance of the goals established in EO S-3-05, the legislature enacted AB 32. The bill is referred to as the California Global Warming Solutions Act of 2006 (September 27, 2006). AB 32 provided initial direction on creating a comprehensive multiyear program to limit California's GHG emissions at 1990 levels by 2020 and initiate the transformations required to achieve the state's long-range climate objectives.

CARB's 2007 Statewide Limit. In 2007, in accordance with California Health and Safety Code, Section 38550, CARB approved a statewide limit on the GHG emissions level for year 2020 consistent with the determined 1990 baseline (427 MMT CO_2e).

CARB's Climate Change Scoping Plan. One specific requirement of AB 32 is for CARB to prepare a scoping plan for achieving the maximum technologically feasible and cost-effective GHG emission reductions by 2020 (Health and Safety Code, Section 38561[a]), and to update the plan at least once every 5 years. In 2008, CARB approved the first scoping plan. The Climate Change Scoping Plan: A Framework for Change (Scoping Plan) included a mix of recommended strategies that combined direct regulations, market-based approaches, voluntary measures, policies, and other emission reduction programs calculated to meet the 2020 statewide GHG emission limit and initiate the transformations needed to achieve the state's long-range climate objectives. The key elements of the Scoping Plan include the following (CARB 2008):

1. Expanding and strengthening existing energy efficiency programs as well as building and appliance standards.
2. Achieving a statewide renewable energy mix of 33%.
3. Developing a California cap-and-trade program that links with other Western Climate Initiative partner programs to create a regional market system and caps sources contributing 85% of California's GHG emissions.
4. Establishing targets for transportation-related GHG emissions for regions throughout California, and pursuing policies and incentives to achieve those targets.
5. Adopting and implementing measures pursuant to existing state laws and policies, including California's clean car standards, goods movement measures, and the Low Carbon Fuel Standard (LCFS) (17 CCR, Section 95480 et seq.).
6. Creating targeted fees, including a public goods charge on water use, fees on high GWP gases, and a fee to fund the administrative costs of the State of California's long-term commitment to AB 32 implementation.

The Scoping Plan also identified local governments as essential partners in achieving California's goals to reduce GHG emissions because they have broad influence and, in some cases, exclusive authority over activities that contribute to significant direct and indirect GHG emissions through their planning and permitting processes, local ordinances, outreach and education efforts, and municipal operations. Specifically, the Scoping Plan encouraged local governments to adopt a reduction goal for municipal operations and for community emissions to reduce GHGs by approximately 15% from then levels (2008) by 2020. Many local governments developed community-scale local GHG reduction plans based on this Scoping Plan recommendation.

In 2014, CARB approved the first update to the Scoping Plan. The First Update to the Climate Change Scoping Plan: Building on the Framework (First Update) defined the state's GHG emission reduction priorities for the next 5 years and laid the groundwork to start the transition to the post-2020 goals set forth in EO S-3-05 and EO B-16-2012. The First Update concluded that California is on track to meet the 2020 target but recommended a 2030 mid-term GHG reduction target be established to ensure a continuum of action to reduce emissions (CARB 2014). The First Update recommended a mix of technologies in key economic sectors to reduce emissions through 2050 including energy demand reduction through efficiency and activity changes; large-scale electrification of on-road vehicles, buildings, and industrial machinery; decarbonizing electricity and fuel supplies; and the rapid market penetration of efficient and clean energy technologies. As part of the First Update, CARB recalculated the state's 1990 emissions level, using more recent GWPs identified by the IPCC, from 427 MMT CO_2e to 431 MMT CO_2e (CARB 2014).

In 2015, as directed by EO B-30-15, CARB began working on an update to the Scoping Plan to incorporate the 2030 target of 40% below 1990 levels by 2030 to keep California on its trajectory toward meeting or exceeding the long-term goal of reducing GHG emissions to 80% below 1990 levels by 2050 as set forth in EO S-3-05. The governor called on California to pursue a new and ambitious set of strategies, in line with the five climate change pillars from his inaugural address, to reduce GHG emissions and prepare for the unavoidable impacts of climate change. In the summer of 2016, the legislature affirmed the importance of addressing climate change through passage of SB 32 (Chapter 249, Statutes of 2016).

In December 2017, CARB adopted the 2017 Climate Change Scoping Plan Update (2030 Scoping Plan) (CARB 2017). The 2030 Scoping Plan builds on the successful framework established in the initial Scoping Plan and First Update, while identifying new, technologically feasible and cost-effective strategies that will serve as the framework to achieve the 2030 GHG target and define the state's climate change priorities to 2030 and beyond. The strategies' known commitments include implementing renewable energy and energy efficiency (including the mandates of SB 350), increased stringency of the LCFS, measures identified in the Mobile Source and Freight Strategies, measures identified in the proposed Short-Lived Climate Pollutant Plan, and increased stringency of SB 375 targets. To fill the gap in additional reductions needed to achieve the 2030 target, it recommends continuing the cap-and-trade program and a measure to reduce GHGs from refineries by 20%.

CARB's Regulations for the Mandatory Reporting of Greenhouse Gas Emissions. CARB's Regulation for the Mandatory Reporting of Greenhouse Gas Emissions (17 CCR 95100–95157) incorporated by reference certain requirements that EPA promulgated in its Final Rule on Mandatory Reporting of Greenhouse Gases (Title 40, CFR, Part 98). Specifically, Section 95100(c) of the Mandatory Reporting Regulation incorporated those requirements that EPA promulgated in the Federal Register on October 30, 2009; July 12, 2010; September 22, 2010; October 28, 2010; November 30, 2010; December 17, 2010; and April 25, 2011. In general, entities subject to the Mandatory Reporting Regulation that emit over 10,000 MT CO_2e per year are required to report annual GHGs through the California Electronic GHG Reporting Tool. Certain sectors, such as refineries and cement plants, are required to report regardless of emission levels. Entities that emit more than the 25,000 MT CO_2e per-year threshold are required to have their GHG emission report verified by a CARB-accredited third party.

EO B-18-12. EO B-18-12 (April 2012) directed state agencies, departments, and other entities under the governor's executive authority to take action to reduce entity-wide GHG emissions by at least 10% by 2015 and 20% by 2020, as measured against a 2010 baseline. EO B-18-12 also established goals for existing state buildings for reducing grid-based energy purchases and water use.

SB 605 and SB 1383. SB 605 (2014) requires CARB to complete a comprehensive strategy to reduce emissions of short-lived climate pollutants in the state, and SB 1383 (2016) requires CARB to approve and implement that strategy by January 1, 2018. SB 1383 also establishes specific targets for the reduction of short-lived climate pollutants (40% below 2013 levels by 2030 for CH_4 and HFCs, and 50% below 2013 levels by 2030 for anthropogenic black carbon), and provides direction for reductions from dairy and livestock operations and landfills. Accordingly, and as mentioned above, CARB adopted its Short-Lived Climate Pollutant Reduction Strategy in March 2017. The Short-Lived Climate Pollutant Reduction Strategy establishes a framework for the statewide reduction of emissions of black carbon, CH_4, and fluorinated gases.

EO B-30-15. EO B-30-15 (April 2015) identified an interim GHG reduction target in support of targets previously identified under EO S-3-05 and AB 32. EO B-30-15 set an interim target goal of reducing GHG emissions to 40% below 1990 levels by 2030 to keep California on its trajectory toward meeting or exceeding the long-term goal of reducing GHG emissions to 80% below 1990 levels by 2050 as set forth in EO S-3-05. To facilitate achieving this goal, EO B-30-15 called for CARB to update the Scoping Plan to express the 2030 target in terms of MMT CO_2e. The EO also called for state agencies to continue to develop and implement GHG emission reduction programs in support of the reduction targets.

Senate Bill (SB) 32 and AB 197. SB 32 and AB 197 (enacted in 2016) are companion bills. SB 32 codified the 2030 emissions reduction goal of EO B-30-15 by requiring CARB to ensure that statewide GHG emissions are reduced to 40% below 1990 levels by 2030. AB 197 established the Joint Legislative Committee on Climate Change Policies, consisting of at least three members of the Senate and three members of the Assembly, in order to provide ongoing oversight over

implementation of the state's climate policies. AB 197 also added two members of the Legislature to the CARB Board as nonvoting members; requires CARB to make available and update (at least annually via its website) emissions data for GHGs, criteria air pollutants, and TACs from reporting facilities; and requires CARB to identify specific information for GHG emissions reduction measures when updating the Scoping Plan.

EO B-55-18. EO B-55-18 (September 2018) establishes a new statewide goal "to achieve carbon neutrality as soon as possible, and no later than 2045, and achieve and maintain net negative emissions thereafter." This EO directs CARB to "work with relevant state agencies to ensure future Scoping Plans identify and recommend measures to achieve the carbon neutrality goal."

Building Energy

Title 24, Part 6. Title 24 of the California Code of Regulations was established in 1978 and serves to enhance and regulate California's building standards. While not initially promulgated to reduce GHG emissions, Part 6 of Title 24 specifically established Building Energy Efficiency Standards that are designed to ensure new and existing buildings in California achieve energy efficiency and preserve outdoor and indoor environmental quality. These energy efficiency standards are reviewed every few years by the Building Standards Commission and the California Energy Commission (CEC) (and revised if necessary) (California Public Resources Code, Section 25402[b][1]). The regulations receive input from members of industry, as well as the public, with the goal of "reducing of wasteful, uneconomic, inefficient, or unnecessary consumption of energy" (California Public Resources Code, Section 25402). These regulations are carefully scrutinized and analyzed for technological and economic feasibility (California Public Resources Code, Section 25402[d]) and cost effectiveness (California Public Resources Code, Sections 25402[b][2] and [b][3]). As a result, these standards save energy, increase electricity supply reliability, increase indoor comfort, avoid the need to construct new power plants, and help preserve the environment.

The 2019 Title 24 standards are the currently applicable building energy efficiency standards, and became effective on January 1, 2020. The 2019 Title 24 Building Energy Efficiency Standards will further reduce energy used and associated GHG emissions compared to prior standards. In general, single-family residences built to the 2019 standards are anticipated to use approximately 7% less energy due to energy efficiency measures than those built to the 2016 standards; once rooftop solar electricity generation is factored in, single-family residences built under the 2019 standards will use approximately 53% less energy than those under the 2016 standards (CEC 2018). Nonresidential buildings built to the 2019 standards are anticipated to use an estimated 30% less energy than those built to the 2016 standards (CEC 2018).

Title 24, Part 11. In addition to the CEC's efforts, in 2008, the California Building Standards Commission adopted the nation's first green building standards. The California Green Building Standards Code (Part 11 of Title 24) is commonly referred to as California's Green Building Standards (CALGreen), and establishes minimum mandatory standards and voluntary standards pertaining to the planning and design of sustainable site development, energy efficiency (in excess of the California Energy Code requirements), water conservation, material conservation, and interior air quality. The CALGreen standards took effect in January 2011 and instituted mandatory minimum environmental performance standards for all ground-up, new construction of commercial, low-rise residential and state-owned buildings and schools and hospitals. The 2019 CALGreen standards are the current applicable standards. For nonresidential projects, some of the key mandatory CALGreen 2019 standards involve requirements related to bicycle parking, designated parking for clean air vehicles, electric vehicle (EV) charging stations, shade trees, water-conserving plumbing fixtures and fittings, outdoor potable water use in landscaped areas, recycled water supply systems, construction waste management, excavated soil and land clearing debris, and commissioning (24 CCR Part 11).

The CALGreen standards also include voluntary efficiency measures that are provided at two tiers and implemented at the discretion of local agencies and applicants. CALGreen's Tier 1 standards call for a 15% improvement in energy requirements, stricter water conservation, 65% diversion of construction and demolition waste, 10% recycled content in building materials, 20% permeable paving, 20% cement reduction, and cool/solar-reflective roofs. CALGreen's more rigorous Tier 2 standards call for a 30% improvement in energy requirements, stricter water conservation, 80% diversion of construction and demolition waste, 15% recycled content in building materials, 30% permeable paving, 25% cement reduction, and cool/solar-reflective roofs.

Title 20. Title 20 of the California Code of Regulations requires manufacturers of appliances to meet state and federal standards for energy and water efficiency. The CEC certifies an appliance based on a manufacturer's demonstration that the appliance meets the standards. New appliances regulated under Title 20 include refrigerators, refrigerator-freezers, and freezers; room air conditioners and room air-conditioning heat pumps; central air conditioners; spot air conditioners; vented gas space heaters; gas pool heaters; plumbing fittings and plumbing fixtures; fluorescent lamp ballasts; lamps; emergency lighting; traffic signal modules; dishwaters; clothes washers and dryers; cooking products; electric motors; low-voltage dry-type distribution transformers; power supplies; televisions and consumer audio and video equipment; and battery charger systems.

SB 1. SB 1 (August 2006, "Go Solar California" or "Million Solar Roofs") established a $3 billion rebate program to support the goal of the state to install rooftop solar energy systems with a generation capacity of 3,000 megawatts through 2016. The goals included establishing solar energy systems as a viable mainstream option for both homes and businesses within 10 years of adoption, and placing solar energy systems on 50% of new homes within 13 years of adoption.

AB 1470 (Solar Water Heating). This bill established the Solar Water Heating and Efficiency Act of 2007. The bill includes findings and declarations of the legislature relating to the promotion of solar water heating systems and other technologies that reduce natural gas demand.

Renewable Energy and Energy Procurement

SB 1078. SB 1078 (September 2002) established the Renewables Portfolio Standard (RPS) program, which required an annual increase in renewable generation by the utilities equivalent to at least 1% of sales, with an aggregate goal of 20% by 2017. This goal was subsequently accelerated, requiring utilities to obtain 20% of their power from renewable sources by 2010 (EO S-14-08 and EO S-21-09).

SB 1368. SB 1368 (September 2006) required the CEC to develop and adopt regulations for GHG emission performance standards for the long-term procurement of electricity by local publicly owned utilities.

AB 1109. Enacted in 2007, AB 1109 required the CEC to adopt minimum energy efficiency standards for general-purpose lighting, to reduce electricity consumption by 50% for indoor residential lighting and 25% for indoor commercial lighting.

EO S-14-08. EO S-14-08 (November 2008) focused on the contribution of renewable energy sources to meet the electrical needs of California while reducing the GHG emissions from the electrical sector. This EO required that all retail suppliers of electricity in California serve 33% of their load with renewable energy by 2020.

EO S-21-09 and SB X1-2. EO S-21-09 (September 2009) directed CARB to adopt a regulation consistent with the goal of EO S-14-08 by July 31, 2010. On September 23, 2010, CARB initially approved regulations to implement a Renewable Electricity Standard. However, this regulation was not finalized because of subsequent legislation (SB X1-2, Simitian, Statutes of 2011) signed by Governor Brown in April 2011.

SB X1-2 expanded the RPS by establishing a renewable energy target of 20% of the total electricity sold to retail customers in California per year by December 31, 2013, and 33% by December 31, 2020, and in subsequent years. Under the bill, a renewable electrical generation facility is one that uses biomass, solar thermal, photovoltaic, wind, geothermal, fuel cells using renewable fuels, small hydroelectric generation (30 megawatts or less), digester gas, municipal solid waste conversion, landfill gas, ocean wave, ocean thermal, or tidal current, and that meets other specified requirements with respect to its location. SB X1-2 applies to all electricity retailers in the state including publicly owned utilities, investor-owned utilities, electricity service providers, and community choice aggregators.

SB 350. SB 350 (October 2015, Clean Energy and Pollution Reduction Act) further expanded the RPS by establishing a goal of 50% of the total electricity sold to retail customers in California per year by December 31, 2030. In addition, SB 350 included the goal to double the energy efficiency savings in electricity and natural gas final end uses (e.g., heating, cooling, lighting, or class of energy uses on which an energy-efficiency program is focused) of retail customers through energy conservation and efficiency. The bill also requires the California Public Utilities Commission, in consultation with the CEC, to establish efficiency targets for electrical and gas corporations consistent with this goal. Regarding mobile sources, as one of its elements, SB 350 establishes a statewide policy for widespread electrification of the transportation sector, recognizing that such electrification is required for achievement of the state's 2030 and 2050 reduction targets (see California Public Utilities Code, Section 740.12).

SB 100. SB 100 (2018) increased the standards set forth in SB 350 establishing that 44% of the total electricity sold to retail customers in California per year by December 31, 2024; 52% by December 31, 2027; and 60% by December 31, 2030, be secured from qualifying renewable energy sources. SB 100 states that it is the policy of the state that eligible renewable energy resources and zero-carbon resources supply 100% of the retail sales of electricity to California. This bill requires that the achievement of 100% zero-carbon electricity resources do not increase the carbon emissions elsewhere in the western grid and that the achievement not be achieved through resource shuffling.

Mobile Sources

State Vehicle Standards (AB 1493 and EO B-16-12). AB 1493 (July 2002) was enacted in a response to the transportation sector accounting for more than half of California's CO_2 emissions. AB 1493 required CARB to set GHG emission standards for passenger vehicles, light-duty trucks, and other vehicles determined by the state board to be vehicles that are primarily used for noncommercial personal transportation in the state. The bill required that CARB set GHG emission standards for motor vehicles manufactured in 2009 and all subsequent model years. CARB adopted the standards in September 2004. EO B-16-12 (March 2012) required that state entities under the governor's direction and control support and facilitate the rapid commercialization of zero-emissions vehicles. It ordered CARB, CEC, California Public Utilities Commission, and other relevant agencies to work with the Plug-in Electric Vehicle Collaborative and the California Fuel Cell Partnership to establish benchmarks to help achieve benchmark goals by 2015, 2020, and 2025. On a statewide basis, EO B-16-12 established a target reduction of GHG emissions from the transportation sector equaling 80% less than 1990 levels by 2050. This directive did not apply to vehicles that have special performance requirements necessary for the protection of the public safety and welfare. As explained under the "Federal Vehicle Standards" description above, EPA and NHTSA approved the SAFE Vehicles Rule Part One and Two, which revoked California's authority to set its own GHG emissions standards and set zero-emission vehicle mandates in California. As the EPA rule is the subject of pending legal challenges, and CARB has not issued GHG adjustment factors for EMFAC, this analysis continues to utilize the best available information at this time, as set forth in EMFAC.

Heavy Duty Diesel. CARB adopted the final Heavy Duty Truck and Bus Regulation, Title 13, Division 3, Chapter 1, Section 2025, on December 31, 2014, to reduce particulate matter and NO_x emissions from heavy-duty diesel vehicles. The rule requires particulate matter filters be applied to newer heavier trucks and buses by January 1, 2012, with older vehicles required to comply by January 1, 2015. The rule will require nearly all diesel trucks and buses to be compliant with the 2010 model year engine requirement by January 1, 2023. CARB also adopted an Airborne Toxic Control Measure to limit idling of diesel-fueled commercial vehicles on December 12, 2013. This rule requires diesel-fueled vehicles with gross vehicle weights greater than 10,000 pounds to idle no more than 5 minutes at any location (13 CCR 2485).

EO S-1-07. EO S-1-07 (January 2007, implementing regulation adopted in April 2009) sets a declining LCFS for GHG emissions measured in CO_2e grams per unit of fuel energy sold in California. The target of the LCFS is to reduce the carbon intensity of California passenger vehicle fuels by at least 10% by 2020 (17 CCR 95480 et seq.). The carbon intensity measures the amount of GHG emissions in the lifecycle of a fuel, including extraction/feedstock production, processing, transportation, and final consumption, per unit of energy delivered.

SB 375. SB 375 (September 2008) addresses GHG emissions associated with the transportation sector through regional transportation and sustainability plans. SB 375 requires CARB to adopt regional GHG reduction targets for the automobile and light-truck sector for 2020 and 2035 and to update those targets every 8 years. SB 375 requires each of the state's 18 regional metropolitan planning organizations to prepare a Sustainable Communities Strategy (SCS) as part of their Regional Transportation Plan (RTP) that will achieve the GHG reduction targets set by CARB. If a metropolitan planning organization is unable to devise an SCS to achieve the GHG reduction target, the metropolitan planning organization must prepare an alternative planning strategy demonstrating how the GHG reduction target would be achieved through alternative development patterns, infrastructure, or additional transportation measures or policies.

Pursuant to Government Code, Section 65080(b)(2)(K), a SCS does not (1) regulate the use of land; (2) supersede the land use authority of cities and counties; or (3) require that a city's or county's land use policies and regulations, including those in a general plan, be consistent with it. Nonetheless, SB 375 makes regional and local planning agencies responsible for developing those strategies as part of the federally required metropolitan transportation planning process and the state-mandated housing element process.

In September 2010, CARB adopted the first SB 375 targets for the regional metropolitan planning organizations. The targets for the Southern California Association of Governments (SCAG) are an 8% reduction in emissions per capita by 2020 and a 13% reduction by 2035. Achieving these goals through adoption of an SCS is the responsibility of the metropolitan planning organizations. SCAG adopted its first RTP/SCS in April 2012. The plan quantified a 9% reduction by 2020 and a 16% reduction by 2035 (SCAG 2012). In June 2012, CARB accepted SCAG's quantification of GHG reductions and its determination the SCS, if implemented, would achieve SCAG targets. On April 4, 2016, the SCAG Regional Council adopted the 2016 RTP/SCS, which builds upon the progress made in the 2012 RTP/SCS. The updated RTP/SCS quantified an 8% reduction by 2020 and an 18% reduction by 2030 (SCAG 2016). In June 2016, CARB accepted SCAG's quantification of GHG reductions and its determination that the SCS, if implemented, would achieve SCAG targets.

Advanced Clean Cars Program and Zero-Emissions Vehicle Program. The Advanced Clean Cars Program (January 2012) is a new emissions-control program for model years 2015 through 2025. The program combines the control of smog- and soot-causing pollutants and GHG emissions into a single coordinated package. The package includes elements to reduce smog-forming pollution, reduce GHG emissions, promote clean cars, and provide the fuels for clean cars (CARB 2012). To improve air quality, CARB has implemented new emission standards to reduce smog-

forming emissions beginning with 2015 model year vehicles. It is estimated that in 2025, cars will emit 75% less smog-forming pollution than the average new car sold today. To reduce GHG emissions, CARB, in conjunction with the EPA and the NHTSA, adopted new GHG standards for model year 2017 to 2025 vehicles; the new standards are estimated to reduce GHG emissions by 34% in 2025. The Zero-Emissions Vehicle Program will act as the focused technology of the Advanced Clean Cars Program by requiring manufacturers to produce increasing numbers of zero-emissions vehicles and plug-in hybrid electric vehicles in the 2018 to 2025 model years.

AB 1236. AB 1236 (October 2015) required a city, county, or city and county to approve an application for the installation of EV charging stations, as defined, through the issuance of specified permits, unless the city or county makes specified written findings based upon substantial evidence in the record that the proposed installation would have a specific, adverse impact upon the public health or safety, and there is no feasible method to satisfactorily mitigate or avoid the specific, adverse impact. The bill provided for appeal of that decision to the planning commission, as specified. The bill provided that the implementation of consistent statewide standards to achieve the timely and cost-effective installation of EV charging stations is a matter of statewide concern. The bill required EV charging stations to meet specified standards. The bill required a city, county, or city and county with a population of 200,000 or more residents to adopt an ordinance, by September 30, 2016, that created an expedited and streamlined permitting process for EV charging stations, as specified. The bill also required a city, county, or city and county with a population of less than 200,000 residents to adopt this ordinance by September 30, 2017.

Solid Waste

AB 939, AB 341, and AB 1826. In 1989, AB 939, known as the Integrated Waste Management Act (California Public Resources Code, Sections 40000 et seq.), was passed because of the increase in waste stream and the decrease in landfill capacity. The statute established the California Integrated Waste Management Board, which oversees a disposal reporting system. AB 939 mandated a reduction of waste being disposed where jurisdictions were required to meet diversion goals of all solid waste through source reduction, recycling, and composting activities of 25% by 1995 and 50% by the year 2000.

AB 341 (Chapter 476, Statutes of 2011) amended the California Integrated Waste Management Act of 1989 to include a provision declaring that it is the policy goal of the state that not less than 75% of solid waste generated be source-reduced, recycled, or composted by the year 2020, and annually thereafter. In addition, AB 341 required the California Department of Resources Recycling and Recovery (CalRecycle) to develop strategies to achieve the state's policy goal. CalRecycle conducted several general stakeholder workshops and several focused workshops and in August 2015 published a discussion document titled AB 341 Report to the Legislature, which identifies five priority strategies that CalRecycle believes would assist the state in reaching the 75% goal by 2020, legislative and regulatory recommendations, and an evaluation of program effectiveness (CalRecycle 2012).

AB 1826 (Chapter 727, Statutes of 2014, effective 2016) requires businesses to recycle their organic waste (i.e., food waste, green waste, landscape and pruning waste, nonhazardous wood waste, and food-soiled paper waste that is mixed in with food waste) depending on the amount of waste they generate per week. This law also requires local jurisdictions across the state to implement an organic waste recycling program to divert organic waste generated by businesses, including multifamily residential dwellings that consist of five or more units. The minimum threshold of organic waste generation by businesses decreases over time, which means an increasingly greater proportion of the commercial sector will be required to comply.

Water

EO B-29-15. In response to the ongoing drought in California, EO B-29-15 (April 2015) set a goal of achieving a statewide reduction in potable urban water usage of 25% relative to water use in 2013. The term of the EO extended through February 28, 2016, although many of the directives have become permanent water-efficiency standards and requirements. The EO includes specific directives that set strict limits on water usage in the state. In response to EO B-29-15, the California Department of Water Resources has modified and adopted a revised version of the Model Water Efficient Landscape Ordinance that, among other changes, significantly increases the requirements for landscape water use efficiency and broadens its applicability to include new development projects with smaller landscape areas.

EO B-37-16. Issued May 2016, EO B-37-16 directed the State Water Resources Control Board (SWRCB) to adjust emergency water conservation regulations through the end of January 2017 to reflect differing water supply conditions across the state. The SWRCB also developed a proposal to achieve a mandatory reduction of potable urban water usage that builds off the mandatory 25% reduction called for in EO B-29-15. The SWRCB and Department of Water Resources will develop new, permanent water use targets that build upon the existing state law requirements that the state achieve 20% reduction in urban water usage by 2020. EO B-37-16 also specifies that the SWRCB permanently prohibit water-wasting practices such as hosing off sidewalks, driveways, and other hardscapes; washing automobiles with hoses not equipped with a shut-off nozzle; using non-recirculated water in a fountain or other decorative water feature; watering lawns in a manner that causes runoff, or within 48 hours after measurable precipitation; and irrigating ornamental turf on public street medians.

Other State Actions

Senate Bill 97. SB 97 (August 2007) directed the Governor's Office of Planning and Research to develop guidelines under the California Environmental Quality Act (CEQA) for the mitigation of GHG emissions. In 2008, the Office of Planning and Research issued a technical advisory as interim guidance regarding the analysis of GHG emissions in CEQA documents. The advisory indicated that the lead agency should identify and estimate a project's GHG emissions, including those associated with vehicular traffic, energy consumption, water usage, and construction activities (OPR 2008). The advisory further recommended that the lead agency determine significance of the impacts and impose all mitigation measures necessary to reduce GHG emissions to a level that is less than significant. CNRA adopted the CEQA Guidelines amendments in December 2009, which became effective in March 2010.

Under the amended CEQA Guidelines, a lead agency has the discretion to determine whether to use a quantitative or qualitative analysis or apply performance standards to determine the significance of GHG emissions resulting from a particular project (14 CCR 15064.4[a]). The CEQA Guidelines require a lead agency to consider the extent to which the project complies with regulations or requirements adopted to implement a statewide, regional, or local plan for the reduction or mitigation of GHG emissions (14 CCR 15064.4[b]). The CEQA Guidelines also allow a lead agency to consider feasible means of mitigating the significant effects of GHG emissions, including reductions in emissions through the implementation of project features or off-site measures. The adopted amendments do not establish a GHG emission threshold, but instead allow a lead agency to develop, adopt, and apply its own thresholds of significance or those developed by other agencies or experts. CNRA also acknowledges that a lead agency may consider compliance with regulations or requirements implementing AB 32 in determining the significance of a project's GHG emissions (CNRA 2009a).

With respect to GHG emissions, the CEQA Guidelines state in Section 15064.4(a) that lead agencies should "make a good faith effort, to the extent possible on scientific and factual data, to describe, calculate or estimate" GHG emissions. The CEQA Guidelines note that an agency may identify emissions by either selecting a "model or

methodology" to quantify the emissions or by relying on "qualitative analysis or other performance-based standards" (14 CCR 15064.4[a]). Section 15064.4(b) states that the lead agency should consider the following when assessing the significance of impacts from GHG emissions on the environment: (1) the extent a project may increase or reduce GHG emissions as compared to the existing environmental setting; (2) whether the project emissions exceed a threshold of significance that the lead agency determines applies to the project; and (3) the extent to which the project complies with regulations or requirements adopted to implement a statewide, regional, or local plan for the reduction or mitigation of GHG emissions (14 CCR 15064.4[b]).

EO S-13-08. EO S-13-08 (November 2008) is intended to hasten California's response to the impacts of global climate change, particularly sea-level rise. Therefore, the EO directs state agencies to take specified actions to assess and plan for such impacts. The final 2009 California Climate Adaptation Strategy report was issued in December 2009 (CNRA 2009b), and an update, Safeguarding California: Reducing Climate Risk, followed in July 2014 (CNRA 2014). To assess the state's vulnerability, the report summarizes key climate change impacts to the state for the following areas: agriculture, biodiversity and habitat, emergency management, energy, forestry, ocean and coastal ecosystems and resources, public health, transportation, and water. Issuance of the Safeguarding California: Implementation Action Plans followed in March 2016 (CNRA 2016). In January 2018, the CNRA released the Safeguarding California Plan: 2018 Update, which communicates current and needed actions that state government should take to build climate change resiliency (CNRA 2018b).

Local

South Coast Air Quality Management District

Air districts typically act in an advisory capacity to local governments in establishing the framework for environmental review of air pollution impacts under CEQA. This may include recommendations regarding significance thresholds, analytical tools to estimate emissions and assess impacts, and mitigations for potentially significant impacts. Although air districts will also address some of these issues on a project-specific basis as responsible agencies, they may provide general guidance to local governments on these issues (SCAQMD 2008). As discussed in Section 4.7.3, Thresholds of Significance (below), the South Coast Air Quality Management District (SCAQMD) has recommended numeric CEQA significance thresholds for GHG emissions for lead agencies to use in assessing GHG impacts of residential, commercial, industrial, and mixed-use development projects; however, these thresholds were not adopted.

Southern California Association of Governments

SB 375 requires metropolitan planning organizations to prepare and include an SCS in their RTP. The SCAG Regional Council adopted the 2012 RTP/SCS in April 2012 (SCAG 2012), and the 2016–2040 RTP/SCS (2016 RTP/SCS) was adopted in April 2016. Both the 2012 and 2016 RTP/SCSs establish a development pattern for the region that, when integrated with the transportation network and other policies and measures, would reduce GHG emissions from transportation (excluding goods movement). Specifically, the 2012 RTP/SCS links the goals of sustaining mobility with the goals of fostering economic development; enhancing the environment; reducing energy consumption; promoting transportation-friendly development patterns; and encouraging all residents affected by socioeconomic, geographic, and commercial limitations to be provided with fair access. The 2012 and 2016 RTP/SCSs do not require that local general plans, specific plans, or zoning be consistent with it but provide incentives for consistency for governments and developers.

SCAG has developed Connect SoCal, the 2020–2045 RTP/SCS, which is a long-range visioning plan that balances future mobility and housing needs with economic, environmental and public health goals. Connect SoCal charts a

path toward a more mobile, sustainable, and prosperous region by making connections between transportation networks, between planning strategies and between the people whose collaboration can improve the quality of life for Southern Californians. Connect SoCal embodies a collective vision for the region's future and is developed with input from local governments, county transportation commissions, tribal governments, non-profit organizations, businesses and local stakeholders within the Counties of Imperial, Los Angeles, Orange, Riverside, San Bernardino and Ventura. The SCAG 2020–2045 RTP/SCS was adopted on September 3, 2020. ~~The Proposed Final Connect SoCal and its Proposed Final Program Environmental Impact Report is available; however, it has not been adopted by the regional council at this time.~~

Local Climate Action Plans and GHG Reduction Programs

The Cities of Fullerton, Huntington Beach, La Habra, and Santa Ana, where FMP components are located, have adopted GHG emission reduction plans, such as a CAP, which are summarized below.[3] The City of Irvine (where projects 7-65 and 7-66 are partially located) is in the process of developing a CAP; however, no draft is available at the time of writing. The City of Anaheim adopted a municipal Greenhouse Gas Reduction Plan: Sustainable Electric & Water Initiatives in July 2015; however, it only applies to the Anaheim Public Utilities Department and therefore, is not applicable to the FMP.

City of Fullerton

The City of Fullerton adopted the Fullerton CAP as part of The Fullerton Plan EIR (City of Fullerton 2012), which is a long-range plan to reduce GHG emissions from municipal operations and community activities within the City, and would also help the City adapt to effects of climate change. The City committed to reducing its GHG emissions by 15% below 2009 levels by 2020, consistent with AB 32 and state 2020 GHG emission reduction goals. Additionally, the CAP includes strategies aimed at reducing GHG emissions generated within the City. The four reduction strategies are as follows (City of Fullerton 2012):

- **Transportation and Mobility Strategy:** Promote a balanced transportation system that promotes the use of public transportation and bicycles, reduces congestion, and helps encourage residents to engage in healthy and active lifestyles.
- **Energy Use and Conservation Strategy:** Reduce the carbon footprint of municipal operations to serve as a leader for the community and support the construction of buildings that are energy efficient and incorporate clean, renewable energy sources.
- **Water Use and Efficiency Strategy:** Conserve and protect water resources and promote efficiency through public education.
- **Solid Waste Reduction and Recycling Strategy:** Manage solid waste generation and diversion in order to achieve a zero-waste future.

Each of the strategies recommends measures and actions, including the GHG reduction potential if the performance criteria are met. The City's CAP is qualified under CEQA Guidelines Section 15183.5(b), Tiering and Streamlining the Analysis of GHG Emissions. When determining whether a proposed project is consistent with the CAP, one should consider the consistency of the discretionary project (magnitude and location of growth) with The Fullerton Plan's year 2030 growth projections, which are the basis of the GHG emissions inventory projects. If the project is consistent with The Fullerton Plan projections, the project is consistent with the CAP.

[3] The Cities of Aliso Viejo, Laguna Beach, Laguna Woods, Mission Viejo, and San Clemente in Orange County have also adopted GHG emission reduction plans; however, the FMP projects would not be located within those cities.

City of Huntington Beach

The City of Huntington Beach adopted a Greenhouse Gas Reduction Program (GGRP) as part of its General Plan Update in 2017. The GGRP is the City of Huntington Beach's comprehensive approach to reduce emissions of GHGs within the community, which establishes Huntington Beach's existing, projected, and target levels of GHG emissions and identifies how the City can achieve target levels through an extensive set of strategies, emphasizing actions that are voluntary, economically viable, consistent with community character, and advance the priorities of Huntington Beach residents, businesses, and visitors. Huntington Beach's efforts to reduce GHG emissions are linked to a series of state-level regulations and guidance and the GGRP allows the City of Huntington Beach to maintain consistency with state-level actions at the local level. The GGRP meets the six requirements of CEQA Guidelines Section 15183.5(b), allowing it to serve as a Qualified GHG Reduction Strategy for the City of Huntington Beach.

Policy ERC-5A in the General Plan directs Huntington Beach to reduce its total GHG emissions to 15% below 2005 levels by 2020, and 53.33% below the 2020 target by 2040, placing the community on a trajectory to match the state's long-term GHG reduction goals. These reduction goals are consistent with the statewide targets for GHG reduction efforts. This GGRP contains a suite of strategies capable of reducing Huntington Beach's GHG emissions to levels at or below the ones specified in Policy ERC-5A. The City identified 42 GHG reduction strategies, 36 of which have measurable GHG reduction benefits. The other six strategies do not directly lead to measurable reductions, but are supportive of other GHG reduction strategies and provide other benefits to the community. The strategies are divided into the following nine categories: (1) land use, (2) transportation, (3) alternative fuels, (4) renewable energy, (5) energy efficiency, (6) off-road equipment, (7) water and wastewater, (8) resource management, (9) community awareness.

City of La Habra

The City adopted a CAP in January 2014. The CAP was designed under the premise that the City and the community it represents are uniquely capable of addressing emissions associated with sources under the City's jurisdiction. The City's CAP acts as a plan to ensure reduction efforts are consistent with the AB 32 2020 target and that the City will be providing GHG reductions locally that will complement state efforts to reduce GHG emissions. One of the goals of the City of La Habra's CAP is to allow programmatic level review and mitigation of GHG emissions that allows streamlining of CEQA review for subsequent development projects; as such, the CAP framework is designed to fulfill the requirements identified in CEQA Guidelines Section 15183.5(b).

City of Santa Ana

The City of Santa Ana adopted its CAP in December 2015. The CAP includes goals and measures that help move the City of Santa Ana towards becoming a more sustainable City for future generations while mitigating the City's impacts on the environment. Many of the strategies and measures that will be implemented as part of the CAP aim to reinvest in the community through benefits such as improved air quality, reduced energy and water use, reduced traffic congestion, and other environmental improvements. The CAP includes emission reduction targets of 15% below 2008 by 2020 and 30% below 2008 levels by 2035. The City of Santa Ana CAP does not include a project-level GHG emission reduction target or a tiering mechanism to use for CEQA analyses.

4.7.3 Thresholds of Significance

4.7.3.1 Significance Criteria

The significance criteria used to evaluate the FMP's impacts to GHG emissions are based on CEQA Guidelines Appendix G. According to Appendix G, a significant impact related to GHG emissions would occur if the project would:

1. Generate GHG emissions, either directly or indirectly, that may have a significant impact on the environment.
2. Conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of GHGs.

Global climate change is a cumulative impact; a project participates in this potential impact through its incremental contribution combined with the cumulative increase of all other sources of GHGs. There are currently no established thresholds for assessing whether the GHG emissions of a project, such as the proposed FMP, would be considered a cumulatively considerable contribution to global climate change; however, all reasonable efforts should be made to minimize a project's contribution to global climate change. In addition, while GHG impacts are recognized exclusively as cumulative impacts (CAPCOA 2008), GHG emissions impacts must also be evaluated at a project level under CEQA.

The CEQA Guidelines do not prescribe specific methodologies for performing an assessment, do not establish specific thresholds of significance, and do not mandate specific mitigation measures. Rather, the CEQA Guidelines emphasize the lead agency's discretion to determine the appropriate methodologies and thresholds of significance consistent with the manner in which other impact areas are handled in CEQA (CNRA 2009a). The State of California has not adopted emission-based thresholds for GHG emissions under CEQA. The Governor's Office of Planning and Research's Technical Advisory, titled Discussion Draft CEQA and Climate Change Advisory (OPR 2018), states that:

> [N]either the CEQA statute nor the CEQA Guidelines prescribe thresholds of significance or particular methodologies for performing an impact analysis. This is left to lead agency judgment and discretion, based upon factual data and guidance from regulatory agencies and other sources where available and applicable. Even in the absence of clearly defined thresholds for GHG emissions, such emissions must be disclosed and mitigated to the extent feasible whenever the lead agency determines that the project contributes to a significant, cumulative climate change impact.

Furthermore, the advisory document indicates that "in the absence of regulatory standards for GHG emissions or other scientific data to clearly define what constitutes a 'significant impact,' individual lead agencies may undertake a project-by-project analysis, consistent with available guidance and current CEQA practice." Section 15064.7(c) of the CEQA Guidelines specifies that "when adopting thresholds of significance, a lead agency may consider thresholds of significance previously adopted or recommended by other public agencies, or recommended by experts, provided the decision of the lead agency to adopt such thresholds is supported by substantial evidence."

In October 2008, the SCAQMD proposed recommended numeric CEQA significance thresholds for GHG emissions for lead agencies to use in assessing GHG impacts of residential and commercial development projects as presented in its Draft Guidance Document – Interim CEQA Greenhouse Gas (GHG) Significance Threshold (SCAQMD 2008). This guidance document, which builds on the previous guidance prepared by the California Air Pollution Control Officers Association, explored various approaches for establishing a significance threshold for GHG emissions. The draft interim CEQA thresholds guidance document was not adopted or approved by the Governing

Board. However, in December 2008, the SCAQMD adopted an interim 10,000 MT CO_2e per-year screening level threshold for stationary source/industrial projects for which the SCAQMD is the lead agency (see SCAQMD Resolution No. 08-35, December 5, 2008).

The SCAQMD formed a GHG CEQA Significance Threshold Working Group to work with SCAQMD staff on developing GHG CEQA significance thresholds until statewide significance thresholds or guidelines are established. From December 2008 to September 2010, the SCAQMD hosted working group meetings and revised the draft threshold proposal several times, although it did not officially provide these proposals in a subsequent document. The SCAQMD has continued to consider adoption of significance thresholds for residential and general land use development projects. The most recent proposal, issued in September 2010, uses the following tiered approach to evaluate potential GHG impacts from various uses (SCAQMD 2010):

Tier 1 Determine if CEQA categorical exemptions are applicable. If not, move to Tier 2.

Tier 2 Consider whether or not the proposed project is consistent with a locally adopted GHG reduction plan that has gone through public hearing and CEQA review, that has an approved inventory, includes monitoring, etc. If not, move to Tier 3.

Tier 3 Consider whether the project generates GHG emissions in excess of screening thresholds for individual land uses. The 10,000 MT CO_2e per year threshold for industrial uses would be recommended for use by all lead agencies. Under option 1, separate screening thresholds are proposed for residential projects (3,500 MT CO_2e per year), commercial projects (1,400 MT CO_2e per year), and mixed-use projects (3,000 MT CO_2e per year). Under option 2, a single numerical screening threshold of 3,000 MT CO_2e per year would be used for all non-industrial projects. If the project generates emissions in excess of the applicable screening threshold, move to Tier 4.

Tier 4 Consider whether the project generates GHG emissions in excess of applicable performance standards for the project service population (population plus employment). The efficiency targets were established based on the goal of AB 32 to reduce statewide GHG emissions to 1990 levels by 2020. The 2020 efficiency targets are 4.8 MT CO_2e per service population per year (MT CO_2e/SP/year) for project level analyses and 6.6 MT CO_2e/SP/year for plan level analyses. The 2035 efficiency targets are 3.0 MT CO_2e/SP/year for project level analyses and 4.1 MT CO_2e/SP/year for plan level analyses. If the project generates emissions in excess of the applicable efficiency targets, move to Tier 5.

Tier 5 Consider the implementation of CEQA mitigation (including the purchase of GHG offsets) to reduce the project efficiency target to Tier 4 levels.

To determine the FMP's potential to generate GHG emissions that would have a significant impact on the environment, the FMP project's GHG emissions were estimated and then compared to the non-industrial land project quantitative threshold of 3,000 MT CO_2e per year. Per the SCAQMD guidance, construction emissions should be amortized over the operational life of the FMP, which is assumed to be 30 years (SCAQMD 2008). The operational life of the FMP projects are generally anticipated to be greater than 30 years; however, the Orange County Sanitation District (Sanitation District) continues to upgrade, rehabilitate, and replace facilities prior to reaching full anticipated operational life to ensure provision of reliable service to the Sanitation District's service area. Therefore, the 30-year operational life assumption is appropriate and conservative for many projects.

In addition, the FMP was evaluated for its potential to conflict with various GHG emission reduction plans including local GHG reduction plans and CAPs, CARB's Scoping Plan, SCAG's RTP/SCS, and statewide 2030 and 2050 GHG reduction targets identified in SB 32 and EO S-3-05.

4.7.3.2 Approach and Methodology

Construction

CalEEMod Version 2016.3.2 was used to estimate emissions generated during construction of each project modeled. For Reclamation Plant No. 1 (Plant 1), all project-level projects (7 projects) and all program-level project (10 projects) were modeled, for a total of 17 model runs. For Treatment Plant No. 2 (Plant 2), all project-level projects (5 projects) and all program-level project (10 projects) were modeled, for a total of 15 model runs. For the joint plant projects, all project-level projects (eight projects) were modeled resulting in a total of six model runs. X-057, X-058, and X-059 were modeled in one run because they are essentially one project; there are no program-level joint plant projects.

For the collection system, all project-level projects (10 projects) were modeled. For the program-level collection system projects, a representative project approach was applied to provide a conservative analysis of collection system projects without modeling each project. The program activities were grouped by type of activity (e.g., pipeline replacement and pump station rehabilitation), and representative projects were identified that would represent the greatest anticipated intensity of daily and annual construction. Construction specifications for each activity would vary depending on the subject site characteristics, improvement needs, and type of proposed rehabilitation or replacement; however, construction activities within the same category are not expected to differ substantially. Because several of the proposed activities address similar issues, the proposed solutions (such as rehabilitation or replacement) include similar procedures, many of which are techniques the Sanitation District has historically used to resolve similar issues, such as aging infrastructure. A total of 9 representative projects were modeled that represent 25 program-level projects, resulting in a total of 19 collection system model runs. For the representative projects, the total estimated GHG emissions from the representative project modeled was apportioned to the year(s) construction would occur based on the estimated percent of construction that would occur in each year.[4] A summary of the representative projects modeled is as follows:

- **Air Jumpers**. X-078 Air Jumper Additions and Rehabilitation was modeled as 1 air jumper addition project; however, there are 56 air jumper rehabilitation projects. Construction of a maximum of 2 air jumpers could occur in 1 day. The 56 air jumper projects are assumed to be completed over 10 years (from May 2023 to April 2033), ranging from 3 to 6 projects each year.
- **Pipeline Replacement – Open Trench (Cut and Cover) Method**. X-066 Tustin-Orange Interceptor Sewer at Reach 18 Rehabilitation was selected to represent pipeline replacement activity using traditional open-trench construction techniques. The following pipeline replacement projects are represented by X-066: X-026 College Avenue Force Main Rehabilitation, X-065 Tustin-Orange Interceptor Sewer at Reach 17 Rehabilitation, X-068 North Trunk Rehabilitation, and X-084 Tustin Avenue Sewer Relief. X-066 involves 3,819 linear feet of pipeline replacement, and all projects represented by it would require less total linear

[4] For example, a modeled representative project results in a total of 300 MT CO_2e over the total construction duration. A project it represents would be constructed during 2 months in 2025 (20% of the construction duration) and 8 months in 2026 (80% of the construction duration). Accordingly, it was assumed that 60 MT CO_2e would occur in 2025 (20% of the representative project construction emissions) and 240 MT CO_2e would occur in 2026 (80% of the representative project construction emissions).

feet in total (ranging from 615 linear feet to 1,742 linear feet), but are anticipated to require the same level of daily construction activity (i.e., approximately 100 feet per day).

- **Pipeline Replacement – Open Trench (Unique Project).** X-086 Santa Ana River Sewer Relief includes open-trench pipeline replacement similar to X-066; however, it requires replacement of approximately 14,270 linear feet. While the daily activity (i.e., approximately 100 feet per day) is anticipated to be the same as the pipeline replacement representative projects, the longer duration of construction would result in greater total emissions; therefore, X-086 was modeled separately.
- **Pipeline Replacement – Microtunneling.** One pipeline replacement project, 3-68 Los Alamitos Sub-Trunk Extension, was identified as using the microtunneling construction technique rather than open trench. Accordingly, 3-68 was modeled separately.
- **Pipeline Relining.** Pipeline relining involves less construction intensity (i.e., approximately 200 feet per day) than pipeline replacement and was therefore modeled separately. 7-65 Gisler-Red Hill Interceptor Rehabilitation was selected to represent pipeline relining because it is the longest pipeline reline project (approximately 13,249 linear feet), which also represents 7-66 Sunflower and Red Hill Interceptor Rehab/Repair.
- **Pipeline Replacement and Pipeline Relining.** Some pipeline rehabilitation projects include both pipeline replacement and pipeline relining per the needs of different segments in the pipelines. X-071 Edinger/Springdale Trunk Sewer Rehabilitation was selected to represent pipeline replacement and relining activities because it involves the greatest length of pipeline replaced (approximately 5,264 linear feet) and pipeline relined (approximately 5,750 linear feet), which represents the following projects: 7-68 MacArthur Dual Force Main Improvements, X-067 (X-085) Hoover-Western Sub-Trunks Sewer Rehabilitation, and X-061 Imperial Highway Relief Interceptor Rehabilitation.
- **Pump Station Rehabilitation.** X-040 College Avenue Pump Station Replacement was identified to represent a typical pump station rehabilitation project, which represents X-024 Rocky Point Pump Station Rehabilitation and X-025 Bitter Point Pump Station Rehabilitation. X-040, X-024, and X-025 are all very similar; however, X-040 was selected to represent pump station rehabilitation because it includes additional minor structural repair.
- **Pump Station Rehabilitation and Pipeline Replacement.** One pump station project, 7-63 MacArthur Pump Station Rehabilitation, also included replacement of two adjacent forcemains and was modeled separately.
- **Pump Station Rehabilitation and Pipeline Relining.** Seven projects were identified as pump station rehabilitation and relining of adjacent pipelines. 7-67 Main Street Pump Station Replacement and Force Main Rehabilitation was selected to represent this combined activity because it involves the greatest length of pipeline relining (approximately 6,000 linear feet); the pump station rehabilitation component is anticipated to be relatively the same across projects. The following projects are represented by the 7-67 model run: X-023 Lido Pump Station Rehabilitation, 11-34 Slater Avenue Pump Station Rehabilitation, 7-64 Main Street Pump Station Rehabilitation, X-022 15th Street Pump Station Rehabilitation, X-041 A Street Pump Station Rehabilitation, and 5-66 Crystal Cove Pumping Station Upgrade and Rehabilitation.

A total of 57 model runs were conducted to represent 75 projects; however, note that X-078 Air Jumper Additions and Rehabilitation involves 56 separate additions or rehabilitations of air jumpers across the Sanitation District service area. A construction assumptions scenario was developed for each of the 57 projects modeled based on the best available project information at this time. Key construction assumptions include phase types, phase timing and duration, off-road equipment use (type, quantify, and hours of operation per day), number of vehicle trips (haul trucks, vendor trucks, and worker vehicles) and trip distance, ground-disturbance acreage, amount of demolition debris, paving area, and square footage to be painted. See Appendix D for construction assumption details.

The selected phase type and duration were based on the best available information including the 2017 FMP and/or project descriptions provided by the Sanitation District. Phase timing and sequencing was considered where two or more phases overlap, the maximum daily emissions was estimated and presented in this analysis.

Off-road equipment emissions were estimated in CalEEMod based on the type of equipment, the number of pieces of each equipment, and the hours of operation. CalEEMod default values for equipment horsepower and load factor were applied; in a few instances, the horsepower was modified to reflect the specific equipment anticipated to be used to more accurately estimate potential emissions.[5] For most project model runs, the equipment was assumed to be in operation for 8 hours per day, which is the anticipated maximum daily use; in reality, it is anticipated that equipment would be used for less than 8 hours a day when considering mandated worker breaks and that equipment would only be operated when needed. This analysis is therefore conservative. Internal combustion engines used by construction equipment would result in GHG emissions, specifically CO_2 and CH_4.

Emissions from vehicle trips are estimated in CalEEMod based on the number of trips, the trip distance, and emission factors for the vehicle category. Regarding the vehicle categories, and consistent with CalEEMod default values, worker trips are assumed to be passenger vehicles and light-duty trucks, vendor truck trips are assumed to be a mix of medium- and heavy-heavy duty trucks, and haul truck trips are heavy-heavy duty trucks. Haul truck trips were estimated based on the amount of material that needed to be exported off site to a disposal site. All haul trucks were assumed to have a capacity or 16 cubic yards or 20 tons, and would travel 20 miles per each one-way trip. Frank R. Bowerman Landfill (11002 Bee Canyon Access Road, Irvine, California 92602) is located 19 miles from Plant 1 (10844 Ellis Avenue, Fountain Valley, California 92708) and Orange County Hazardous Waste (17121 Nichols Lane, Huntington Beach, California 92647) is located 5 miles from Plant 1; therefore, the 20-mile one-way distance for haul trucks is anticipated to be conservative. In general, the number of needed project workers were estimated based on the number of pieces of equipment and assuming that each piece of equipment would require 1.25 workers in accordance with CalEEMod guidance (CAPCOA 2017). Vendor trucks are anticipated to be minimal because the anticipated construction activities do not require large quantities of building material, if any; however, vendor truck trips were added to phases where material delivery is anticipated or water trucks may be needed. CalEEMod default values for worker trip length (14.7 miles) and vendor truck trip length (6.9 miles) were applied (CAPCOA 2017). Each worker, vendor, and haul truck ~~was~~ were estimated to result in two one-way trips. As with equipment, internal combustion engines used by vehicles would result in GHG emissions, specifically CO_2 and CH_4.

For Plant 1, Plant 2, and the joint plant projects, one or more of the following phases are anticipated for each project, which are further described below: demolition, site preparation, structural rehabilitation, building construction, paving, architectural coating, electrical/instrumentation, and/or testing.

- **Demolition**. Demolition may include removal of structures or asphalt pavement, or removal of equipment for replacement. For each project, the amount of demolition debris was estimated based on best available information such as square footage of the demolition structure/area and type of material (e.g., concrete, asphalt, metal, plastic, and lumber) to ensure that associated emissions were captured. Emission sources associated with demolition include off-road equipment operation and vehicle trips including workers and haul trucks exporting demolition material.
- **Site Preparation**. Since these projects are within the plant boundaries, they are located on developed site conditions and typical site preparation activities such as clearing and grubbing of vegetation and grading are not anticipated. Instead, few projects included site preparation that would entail removing existing asphalt to build a new building where the existing asphalt is located, or adding new asphalt pavement

[5] For example, for P2-138, the crushing/processing equipment was assumed to be 415 horsepower to reflect a larger crusher than CalEEMod default values assume (i.e., 85 horsepower).

and/or dirt (e.g., grading) over the location of a structure that was demolished during the project. Emission sources associated with site preparation include off-road equipment operation and vehicle trips including workers and haul trucks exporting material.

- **Structural Rehabilitation**. Structural rehabilitation would include concrete structural repair and/or plastic lining/coating needed to maintain or improve the structural integrity of the existing structure. Emission sources associated with structural rehabilitation include off-road equipment operation and vehicle trips including workers vendor trucks delivering material.
- **Building Construction**. In most cases, building construction would include physical construction of structures such as the foundation, structures, and buildings. In some cases, building construction would only include the installation of new equipment. Emission sources associated with building construction include off-road equipment operation and vehicle trips including workers and vendor trucks delivering material.
- **Paving**. Paving, which involves the laying of asphalt or concrete, would occur on projects that require replacing removed pavement or minor repaving activities. Emission sources associated with paving include off-road equipment operation and worker and vendor vehicle trips.
- **Architectural Coating**. Architectural coating would occur on projects that would include building or rehabilitation of structures that would need to be painted on the interior and/or exterior. Architectural coating may also occur on projects that included new asphalt that would need striping or other transportation signage coatings. Emission sources associated with architectural coating include off-road equipment operation, as well as worker and vendor vehicle trips.
- **Electrical/Instrumentation**. Electrical or electrical and instrumentation phases include installing the electrical and instrumentation components associated with new equipment. Emission sources associated with testing include off-road equipment operation and worker vehicle trips.
- **Testing**. Testing occurs on many projects and includes the testing of the repaired or replaced equipment or facility. Emission sources associated with testing include off-road equipment operation and worker vehicle trips.

For the collection system projects, one or more of the following phases are anticipated for each project, which are further described below: pipeline installation, pipeline lining, manhole rehabilitation, demolition, site preparation, structural rehabilitation, building construction, paving, architectural coating, and/or testing.

- **Pipeline Installation.** For replacement pipeline projects, pipeline installation would be accomplished through open-trench construction (except for microtunneling Project 3-68). Pipeline installation is assumed to include trenching, excavation of fill, removal and replacement of the pipeline, and backfill and compaction. The pipeline installation phase was modeled as a "grading" phase to capture dust generated during trenching and excavation. In general, it was assumed that 100 feet per day of pipeline would be installed based on previous pipeline replacement projects. The area of disturbance was calculated based on the total length of the pipeline, the width of the largest pipeline, and additional area to both sides of the pipeline. Emission sources associated with pipeline installation include off-road equipment operation, vehicle trips including workers and haul trucks exporting material, and dust generated by disturbing earth.
- **Pipeline Lining**. Pipeline lining would happen when pipes do not need to be replaced but internal deficiencies (e.g., corroded or cracked pipe) need to be repaired. In general, it was assumed that 200 feet per day of pipeline would be lined based on previous pipeline lining projects. During pipeline lining, no aboveground disturbance would occur. Emission sources associated with pipeline lining include off-road equipment operation and vehicle trips including workers.

- **Manhole Rehabilitation.** Manhole rehabilitation would occur during some of the pipeline projects to repair or rehabilitate manholes along the pipeline.
- **Demolition.** Similar to the plant projects, demolition would occur when a structure would need to be removed and/or equipment would be replaced. The demolition phase would typically occur during the pump station rehabilitation projects. Demolition of existing structures could occur at the end after the new structure, such as a pump station, is built. Emission sources associated with demolition include off-road equipment operation and vehicle trips including workers and haul trucks exporting demolition material.
- **Site Preparation.** As with the plant projects, site preparation activities are anticipated to be minor since these improvements are planned to take place on previously developed sites. Emission sources associated with site preparation include off-road equipment operation and vehicle trips including workers and haul trucks exporting material.
- **Structural Rehabilitation.** Pump station or air jumpers may need concrete repair and/or plastic lining/coating to maintain or improve the structural integrity of the existing structure. Emission sources associated with structural rehabilitation include off-road equipment operation and vehicle trips including workers vendor trucks delivering material.
- **Building Construction.** In some cases, building construction would include physical construction of structures (usually pump stations), including construction of the foundation, structures, and buildings. In other cases, building construction would only include the installation of new equipment (e.g., pumps). Emission sources associated with building construction include off-road equipment operation and vehicle trips including workers and vendor trucks delivering material.
- **Paving.** Paving would occur for every pipeline replacement project and was assumed to occur daily to re-pave the active areas each day to ensure no trench would be left open, as well as after pipeline installation is complete to provide a smooth, final pavement. For pipeline replacement projects, the number of acres to be paved was calculated based on the total length of the pipeline, the width of the largest pipeline, and additional area on both sides of the pipeline. Emission sources associated with site preparation include off-road equipment operation and worker and vendor vehicle trips.
- **Architectural Coating.** For collection system projects, the majority of the architectural coating would include transportation striping and signage. GHG emission sources associated with architectural coating include off-road equipment operation and worker and vendor vehicle trips.
- **Testing.** Testing includes the testing of the repaired or replaced equipment or facility. The testing phase is anticipated to be relatively standard and would include either a generator set or no equipment and a maximum of three workers (six worker trips). Emission sources associated with testing include off-road equipment operation and worker vehicle trips.

Typical equipment by construction phase is presented in Table 4.7-2. It is important to note that not all projects include all phases of construction and each phase does not necessarily include all of the equipment listed.

Table 4.7-2. Typical Equipment

Construction Phase	Equipment
Plant 1 and Plant 2	
Demolition	Cranes Crushing/processing equipment Excavators Forklifts Generator sets Pumps Rubber-tired dozers Tractors/loaders/backhoes
Site Preparation	Excavators Graders Rubber-tired dozers Tractors/loaders/backhoes
Structural Rehabilitation	Aerial lifts Air compressors Cement and mortar mixers Generator sets Pumps
Building Construction	Aerial lifts Cement and mortar mixers Cranes Forklifts Generator sets Pumps Tractors/loaders/backhoes Welders
Paving	Pavers Paving equipment Rollers
Architectural Coating	Air compressors
Electrical/Instrumentation	Generator sets
Testing	Generator sets
Joint Plant Projects	
Demolition	Cranes Excavators Pumps Tractors/loaders/backhoes
Site Preparation	Graders Rubber-tired dozers Tractors/loaders/backhoes
Structural Rehabilitation	Air compressors Cement and mortar mixers Generator sets Pumps

Table 4.7-2. Typical Equipment

Construction Phase	Equipment
Building Construction	Aerial lifts Cranes Cement and mortar mixers Forklifts Pumps Tractors/loaders/backhoes Welders
Paving	Pavers Paving equipment Rollers
Architectural Coating	Air compressors
Electrical	Generator sets
Testing	Generator sets
Collection System Projects	
Pipeline Installation	Concrete/industrial saws Excavators Forklifts Pumps Tractors/loaders/backhoes
Pipeline Lining	Generator sets Pumps
Manhole Rehabilitation	Air compressors Generator sets
Demolition	Aerial lifts Cranes Excavators Forklifts Pumps Rubber-tired dozers Tractors/loaders/backhoes
Site Preparation	Cement and mortar mixers Generator sets Pumps Tractors/loaders/backhoes Rubber-tired dozers
Structural Rehabilitation	Air compressors Cement and mortar mixers Generator sets Pumps
Building Construction	Aerial lifts Air compressors Cement and mortar mixers Cranes Forklifts Generator sets Pumps Tractors/loaders/backhoes Welders

Table 4.7-2. Typical Equipment

Construction Phase	Equipment
Paving	Pavers Paving equipment Rollers
Architectural Coating	Air compressors
Testing	Generator sets

Operation

The FMP projects would rehabilitate, replace, or abandon existing facilities that are currently subject to ongoing operations and maintenance activity. Accordingly, the FMP projects addressed in this program environmental impact report (PEIR) do not propose appreciable changes to regular operations and maintenance activity by Sanitation District personnel. Therefore, potential operational GHG emissions are qualitatively evaluated except for a permanent emergency generator at the Seal Beach pump station (3-67), which is quantitatively addressed.

There is an existing temporary emergency diesel-fueled generator at the Seal Beach pump station, which will be replaced with the permanent diesel-fueled emergency generator. Maintenance and testing GHG emissions were estimated for the new emergency generator assuming it would operate up to 50 hours per year for maintenance and testing in accordance with CARB's Airborne Toxic Control Measure for Stationary Compression Ignition Engines (17 CCR Section 93115) and anticipated SCAQMD permit conditions (SCAQMD Rule 1470 requirements). The 50 hours per year assumption is conservative because based on existing practice, the pump station emergency generators are typically tested for approximately 6 hours per year reflecting a maximum of one-half-hour per day of testing and testing occurring once a month. Testing and maintenance emissions were based on manufacturer's specifications for a Caterpillar engine model C32 rated at 1,829 horsepower, and emission factors from EPA Engine Certification (2020) for Caterpillar engine LCPXL32.0NZS (EPA 2020b) (as also referenced in the Caterpillar Emergency Engines SCAQMD Certified Equipment Permit List [SCAQMD 2020]) and industry standard emission factors for pollutants not included in the specifications. No emissions from the existing temporary emergency diesel-fueled generator at the Seal Beach pump station were conservatively considered in this analysis.

4.7.4 Impacts Analysis

1. Would the project generate GHG emissions, either directly or indirectly, that may have a significant impact on the environment?

Less-than-Significant Impact. Project generation of GHG emissions during construction and operation is assessed in the following analysis.

Construction

Construction of the FMP projects would result in GHG emissions, which are primarily created by off-road construction equipment and on-road vehicles (haul trucks, vendor trucks, and worker vehicles). The SCAQMD Draft Guidance Document – Interim CEQA Greenhouse Gas (GHG) Significance Threshold (SCAQMD 2008) recommends that, "construction emissions be amortized over a 30-year project lifetime, so that GHG reduction measures will address construction GHG emissions as part of the operational GHG reduction strategies." ~~Because the FMP projects are not anticipated to generate a net increase in~~

~~operational GHG emissions, t~~The total construction GHG emissions were calculated, amortized over 30 years, added to the estimated operational GHG emissions, and then compared with the GHG significance threshold of 3,000 MT CO_2e per year.

CalEEMod was used to calculate the annual GHG emissions based on the construction scenario described in Section 4.7.3.2, Approach and Methodology (Construction Emissions). Construction of the project is assumed to take place over approximately 19 years. On-site sources of GHG emissions include off-road equipment and off-site sources including haul trucks, vendor trucks, and worker vehicles. Tables 4.7-3, 4.7-4, 4.7-5, 4.7-6, and 4.7-7 present construction emissions for the project from on-site and off-site emission sources for Plant 1, Plant 2, joint plant projects, collection system, and the entire project, respectively.

Table 4.7-3 presents estimated construction GHG emissions generated during construction of Plant 1 projects.

Table 4.7-3. Plant 1 Estimated Annual Construction GHG Emissions

Project	CO_2	CH_4	N_2O	CO_2e
	Metric Tons per Year			
2023				
P1-135 Digester Ferric Piping Replacement	129.88	0.03	0.00	130.52
Combined Total	*129.88*	*0.03*	*0.00*	*130.52*
2024				
P1-126 Primary Clarifiers Replacements and Improvements	380.85	0.09	0.00	383.01
X-090 Network, Telecommunications, and Service Relocation	60.13	0.02	0.00	60.55
Combined Total	*440.98*	*0.11*	*0.00*	*443.56*
2025				
P1-126 Primary Clarifiers Replacements and Improvements	547.93	0.07	0.00	549.63
X-093 Administrative Facilities and Power Building 3A Demolition	38.48	0.01	0.00	38.76
X-077 Switchgear Replacement at Central Generation	9.32	0.00	0.00	9.34
Combined Total	*595.73*	*0.08*	*0.00*	*597.73*
2026				
P1-126 Primary Clarifiers Replacements and Improvements	436.32	0.07	0.00	438.00
X-093 Administrative Facilities and Power Building 3A Demolition	129.51	0.03	0.00	130.21
X-092 Standby Generator Feeders for Plant 1 Secondary Systems	87.07	0.02	0.00	87.48
Combined Total	*652.90*	*0.12*	*0.00*	*655.69*
2027				
P1-126 Primary Clarifiers Replacements and Improvements	379.83	0.06	0.00	381.23
X-092 Standby Generator Feeders for Plant 1 Secondary Systems	87.96	0.01	0.00	88.31

Table 4.7-3. Plant 1 Estimated Annual Construction GHG Emissions

Project	CO_2	CH_4	N_2O	CO_2e
	Metric Tons per Year			
X-048 Activated Sludge (AS)-1 Aeration Basin and Blower Rehabilitation	229.11	0.07	0.00	230.84
Combined Total	*696.90*	*0.14*	*0.00*	*700.38*
2028				
P1-126 Primary Clarifiers Replacements and Improvements	45.78	0.01	0.00	45.83
X-048 Activated Sludge (AS)-1 Aeration Basin and Blower Rehabilitation	396.93	0.04	0.00	397.96
Combined Total	*442.71*	*0.05*	*0.00*	*443.79*
2029				
X-017 Plant 1 Primary Clarifiers 6-31	137.32	0.02	0.00	137.93
X-048 Activated Sludge (AS)-1 Aeration Basin and Blower Rehabilitation	174.32	0.01	0.00	174.50
Combined Total	*311.64*	*0.03*	*0.00*	*312.43*
2030				
X-017 Plant 1 Primary Clarifiers 6-31	174.09	0.01	0.00	174.23
X-048 Activated Sludge (AS)-1 Aeration Basin and Blower Rehabilitation	67.75	0.00	0.00	67.81
Combined Total	*241.84*	*0.01*	*0.00*	*242.04*
2031				
P1-127 Central Generation Rehabilitation	33.02	0.00	0.00	33.05
X-017 Plant 1 Primary Clarifiers 6-31	253.69	0.01	0.00	253.90
X-038 City Water Pump Station Rehabilitation	34.19	0.00	0.00	34.22
X-048 Activated Sludge (AS)-1 Aeration Basin and Blower Rehabilitation	1.26	0.00	0.00	1.26
Combined Total	*322.16*	*0.01*	*0.00*	*322.43*
2032				
P1-127 Central Generation Rehabilitation	348.98	0.01	0.00	349.27
X-017 Plant 1 Primary Clarifiers 6-31	118.17	0.00	0.00	118.26
X-038 City Water Pump Station Rehabilitation	28.50	0.00	0.00	28.52
X-043 Dissolved Air Flotation Thickener (DAFT) Demolition	203.71	0.01	0.00	203.94
X-049 Activated Sludge (AS)-1 Clarifier and RAS Pump Station Rehabilitation	62.39	0.00	0.00	62.45
Combined Total	*761.75*	*0.02*	*0.00*	*762.44*
2033				
P1-127 Central Generation Rehabilitation	19.61	0.00	0.00	19.62
X-017 Plant 1 Primary Clarifiers 6-31	0.67	0.00	0.00	0.67

Table 4.7-3. Plant 1 Estimated Annual Construction GHG Emissions

Project	CO_2	CH_4	N_2O	CO_2e
	Metric Tons per Year			
X-049 Activated Sludge (AS)-1 Clarifier and RAS Pump Station Rehabilitation	400.29	0.01	0.00	400.61
Combined Total	*420.57*	*0.01*	*0.00*	*420.90*
2034				
X-015 Trickling Filters Rehabilitation	267.75	0.01	0.00	267.98
X-049 Activated Sludge (AS)-1 Clarifier and RAS Pump Station Rehabilitation	285.89	0.01	0.00	286.11
Combined Total	*553.64*	*0.02*	*0.00*	*554.09*
2035				
X-006 Waste Side-Stream Pump Station 1 Upgrade	65.02	0.00	0.00	65.07
X-015 Trickling Filters Rehabilitation	369.52	0.01	0.00	369.82
Combined Total	*434.54*	*0.01*	*0.00*	*434.89*
2036				
X-006 Waste Side-Stream Pump Station 1 Upgrade	108.38	0.00	0.00	108.46
X-015 Trickling Filters Rehabilitation	107.44	0.00	0.00	107.52
X-039 Plant Water Pump Station Rehabilitation	29.62	0.00	0.00	29.64
X-079 Primary Scrubber Rehabilitation	287.40	0.01	0.00	287.63
Combined Total	*532.84*	*0.01*	*0.00*	*533.25*
2037				
X-018 Activated Sludge (AS) 2 Rehabilitation	230.57	0.01	0.00	230.75
X-039 Plant Water Pump Station Rehabilitation	8.13	0.00	0.00	8.14
X-079 Primary Scrubber Rehabilitation	52.02	0.00	0.00	52.06
Combined Total	*290.72*	*0.01*	*0.00*	*290.95*
2038				
X-018 Activated Sludge (AS) 2 Rehabilitation	267.86	0.01	0.00	268.10
Combined Total	*267.86*	*0.01*	*0.00*	*268.10*
2039				
X-018 Activated Sludge (AS) 2 Rehabilitation	111.27	0.00	0.00	111.35
Combined Total	*111.27*	*0.00*	*0.00*	*111.35*
Total				
Total For All Years of Construction	**7,083.95**	**0.65**	**0.00**	**7,100.41**

Notes: GHG = greenhouse gas; CO_2 = carbon dioxide; CH_4 = methane; N_2O = nitrous oxide; CO_2e = carbon dioxide equivalent; RAS = return activated sludge.
See Appendix D for complete results.

As shown in Table 4.7-3, total estimated GHG emissions generated during construction of Plant 1 projects is approximately 7,100 MT CO_2e.

Table 4.7-4 presents estimated construction GHG emissions generated during construction of Plant 2 projects.

Table 4.7-4. Plant 2 Estimated Annual Construction GHG Emissions

Project	CO_2	CH_4	N_2O	CO_2e
	Metric Tons per Year			
2021				
P2-138 Operations and Maintenance Complex at Plant 2	737.27	0.11	0.00	740.01
Combined Total	*737.27*	*0.11*	*0.00*	*740.01*
2022				
P2-138 Operations and Maintenance Complex at Plant 2	450.84	0.07	0.00	452.59
P2-126 Substation and Warehouse Replacement at Plant 2	399.73	0.05	0.00	401.06
Combined Total	*850.57*	*0.12*	*0.00*	*853.65*
2023				
P2-126 Substation and Warehouse Replacement at Plant 2	1,282.62	0.15	0.00	1,286.48
Combined Total	*1,282.62*	*0.15*	*0.00*	*1,286.48*
2024				
P2-126 Substation and Warehouse Replacement at Plant 2	1,434.88	0.16	0.00	1,438.90
X-050 Activated Sludge (AS) Aeration Basin	75.94	0.01	0.00	76.25
Combined Total	*1,510.82*	*0.17*	*0.00*	*1,515.15*
2025				
P2-126 Substation and Warehouse Replacement at Plant 2	273.43	0.05	0.00	274.70
X-050 Activated Sludge (AS) Aeration Basin	422.26	0.03	0.00	423.03
Combined Total	*695.69*	*0.08*	*0.00*	*697.73*
2026				
X-032 Truck Loading Facility Rehabilitation	68.10	0.01	0.00	68.47
X-050 Activated Sludge (AS) Aeration Basin	145.07	0.02	0.00	145.57
X-054 Waste Side-Stream Pump Station C Rehabilitation	74.82	0.01	0.00	75.12
Combined Total	*287.99*	*0.04*	*0.00*	*289.16*
2027				
X-032 Truck Loading Facility Rehabilitation	179.25	0.02	0.00	179.81

Table 4.7-4. Plant 2 Estimated Annual Construction GHG Emissions

Project	CO_2	CH_4	N_2O	CO_2e
	Metric Tons per Year			
X-034 Sodium Bisulfite Station Replacement and Bleach Station Demolition	143.02	0.03	0.00	143.86
X-050 Activated Sludge (AS) Aeration Basin	32.58	0.00	0.00	32.61
X-054 Waste Side-Stream Pump Station C Rehabilitation	67.66	0.01	0.00	67.82
Combined Total	*422.51*	*0.06*	*0.00*	*424.10*
2028				
X-034 Sodium Bisulfite Station Replacement and Bleach Station Demolition	6.38	0.00	0.00	6.39
Combined Total	*6.38*	*0.00*	*0.00*	*6.39*
2031				
P2-119 Central Generation Rehabilitation	18.47	0.00	0.00	18.49
X-007 Waste Side-stream Pump Station 2A Upgrade	205.27	0.02	0.00	205.73
X-036 City Water Pump Station Rehabilitation	23.70	0.00	0.00	23.73
Combined Total	*247.44*	*0.02*	*0.00*	*247.95*
2032				
P2-119 Central Generation Rehabilitation	510.06	0.02	0.00	510.50
X-007 Waste Side-stream Pump Station 2A Upgrade	303.29	0.05	0.00	304.44
X-036 City Water Pump Station Rehabilitation	43.18	0.00	0.00	43.22
X-037 Plant Water Pump Station and 12 kV Distribution Center A Demolition	52.82	0.00	0.00	52.88
Combined Total	*909.35*	*0.07*	*0.00*	*911.04*
2033				
P2-119 Central Generation Rehabilitation	38.91	0.00	0.00	38.94
X-007 Waste Side-stream Pump Station 2A Upgrade	86.85	0.01	0.00	87.06
Combined Total	*125.76*	*0.01*	*0.00*	*126.00*
2036				
X-014 Trickling Filter Solids-Contact Odor Control	365.65	0.01	0.00	365.94
X-030 Headworks Rehabilitation	82.60	0.00	0.00	82.67
X-052 Activated Sludge (AS) RAS/WAS/PEPS/Vaporizers Rehabilitation	125.78	0.00	0.00	125.89

Table 4.7-4. Plant 2 Estimated Annual Construction GHG Emissions

Project	CO_2	CH_4	N_2O	CO_2e
	Metric Tons per Year			
Combined Total	*574.03*	*0.01*	*0.00*	*574.50*
2037				
X-030 Headworks Rehabilitation	218.87	0.01	0.00	219.06
X-031 Trickling Filter Solids-Contact Rehabilitation	465.71	0.02	0.00	466.10
X-052 Activated Sludge (AS) RAS/WAS/PEPS/Vaporizers Rehabilitation	176.91	0.01	0.00	177.04
Combined Total	*861.49*	*0.04*	*0.00*	*862.20*
2038				
X-030 Headworks Rehabilitation	293.42	0.01	0.00	293.66
X-031 Trickling Filter Solids-Contact Rehabilitation	582.17	0.02	0.00	582.63
Combined Total	*875.59*	*0.03*	*0.00*	*876.29*
2039				
X-030 Headworks Rehabilitation	29.81	0.00	0.00	29.83
X-031 Trickling Filter Solids-Contact Rehabilitation	586.97	0.02	0.00	587.44
Combined Total	*616.78*	*0.02*	*0.00*	*617.27*
2040				
X-031 Trickling Filter Solids-Contact Rehabilitation	498.47	0.02	0.00	498.84
Combined Total	*498.47*	*0.02*	*0.00*	*498.84*
Total				
Total For All Years of Construction	**10,502.76**	**0.95**	**0.00**	**10,526.76**

Notes: GHG = greenhouse gas; CO_2 = carbon dioxide; CH_4 = methane; N_2O = nitrous oxide; CO_2e = carbon dioxide equivalent; RAS = return activated sludge; PEPS = Primary Effluent Pump Station.
See Appendix D for complete results.

As shown in Table 4.7-4, total estimated GHG emissions generated during construction of Plant 2 projects is approximately 10,527 MT CO_2e.

Table 4.7-5 presents estimated construction GHG emissions generated during construction of the joint plant projects.

Table 4.7-5. Joint Plant Projects Estimated Annual Construction GHG Emissions

Project	CO_2	CH_4	N_2O	CO_2e
	Metric Tons per Year			
2021				
J-98 Plantwide Miscellaneous Electrical Power Distribution System Improvements (Replacement)	271.42	0.01	0.00	271.76

Table 4.7-5. Joint Plant Projects Estimated Annual Construction GHG Emissions

Project	CO_2	CH_4	N_2O	CO_2e
	Metric Tons per Year			
Combined Total	*271.42*	*0.01*	*0.00*	*271.76*
2022				
J-98 Plantwide Miscellaneous Electrical Power Distribution System Improvements (Replacement)	320.11	0.02	0.00	320.49
Combined Total	*320.11*	*0.02*	*0.00*	*320.49*
2023				
J-98 Plantwide Miscellaneous Electrical Power Distribution System Improvements (Replacement)	319.21	0.01	0.00	319.56
Combined Total	*319.21*	*0.01*	*0.00*	*319.56*
2024				
J-98 Plantwide Miscellaneous Electrical Power Distribution System Improvements (Replacement)	321.04	0.01	0.00	321.37
J-120 Plantwide Miscellaneous Process Control Systems Upgrades	80.87	0.00	0.00	80.95
J-133 Laboratory Rehabilitation at Plant 1	45.02	0.01	0.00	45.34
Combined Total	*446.93*	*0.02*	*0.00*	*447.66*
2025				
J-98 Plantwide Miscellaneous Electrical Power Distribution System Improvements (Replacement)	319.22	0.01	0.00	319.52
J-120 Plantwide Miscellaneous Process Control Systems Upgrades	319.22	0.01	0.00	319.52
J-133 Laboratory Rehabilitation at Plant 1	115.65	0.03	0.00	116.30
X-057 (Yard Structures), X-058 (Yard Piping), X-059 (Tunnels) Plantwide Miscellaneous Rehabilitation and Replacement	444.37	0.03	0.00	445.21
Combined Total	*1,198.46*	*0.08*	*0.00*	*1,200.55*
2026				
J-98 Plantwide Miscellaneous Electrical Power Distribution System Improvements (Replacement)	51.29	0.00	0.00	51.33
J-120 Plantwide Miscellaneous Process Control Systems Upgrades	318.71	0.01	0.00	319.01
X-057 (Yard Structures), X-058 (Yard Piping), X-059 (Tunnels) Plantwide Miscellaneous Rehabilitation and Replacement	582.79	0.02	0.00	583.41
Combined Total	*952.79*	*0.03*	*0.00*	*953.75*

Table 4.7-5. Joint Plant Projects Estimated Annual Construction GHG Emissions

Project	CO_2	CH_4	N_2O	CO_2e
	Metric Tons per Year			
2027				
J-120 Plantwide Miscellaneous Process Control Systems Upgrades	318.26	0.01	0.00	318.56
J-121 Plantwide Miscellaneous Process Control Systems Upgrades	153.50	0.01	0.00	153.65
X-057 (Yard Structures), X-058 (Yard Piping), X-059 (Tunnels) Plantwide Miscellaneous Rehabilitation and Replacement	581.83	0.02	0.00	582.45
Combined Total	*1,053.59*	*0.04*	*0.00*	*1,054.66*
2028				
J-120 Plantwide Miscellaneous Process Control Systems Upgrades	316.65	0.01	0.00	316.95
J-121 Plantwide Miscellaneous Process Control Systems Upgrades	111.10	0.01	0.00	111.21
X-057 (Yard Structures), X-058 (Yard Piping), X-059 (Tunnels) Plantwide Miscellaneous Rehabilitation and Replacement	578.76	0.02	0.00	579.38
Combined Total	*1,006.51*	*0.04*	*0.00*	*1,007.54*
2029				
J-120 Plantwide Miscellaneous Process Control Systems Upgrades	237.23	0.01	0.00	237.45
X-057 (Yard Structures), X-058 (Yard Piping), X-059 (Tunnels) Plantwide Miscellaneous Rehabilitation and Replacement	580.26	0.02	0.00	580.87
Combined Total	*817.49*	*0.03*	*0.00*	*818.32*
2030				
J-121 Plantwide Miscellaneous Process Control Systems Upgrades	166.19	0.01	0.00	166.31
X-057 (Yard Structures), X-058 (Yard Piping), X-059 (Tunnels) Plantwide Miscellaneous Rehabilitation and Replacement	579.61	0.02	0.00	580.09
Combined Total	*745.80*	*0.03*	*0.00*	*746.40*
2031				
J-121 Plantwide Miscellaneous Process Control Systems Upgrades	165.99	0.01	0.00	166.11
X-057 (Yard Structures), X-058 (Yard Piping), X-059 (Tunnels) Plantwide Miscellaneous Rehabilitation and Replacement	330.09	0.01	0.00	330.34
Combined Total	*496.08*	*0.02*	*0.00*	*496.45*

Table 4.7-5. Joint Plant Projects Estimated Annual Construction GHG Emissions

Project	CO_2	CH_4	N_2O	CO_2e
	Metric Tons per Year			
2032				
J-121 Plantwide Miscellaneous Process Control Systems Upgrades	166.46	0.01	0.00	166.59
X-057 (Yard Structures), X-058 (Yard Piping), X-059 (Tunnels) Plantwide Miscellaneous Rehabilitation and Replacement	63.24	0.00	0.00	63.28
Combined Total	*229.70*	*0.01*	*0.00*	*229.87*
2033				
J-121 Plantwide Miscellaneous Process Control Systems Upgrades	13.33	0.00	0.00	13.34
Combined Total	*13.33*	*0.00*	*0.00*	*13.34*
2035				
X-044 Steve Anderson Lift Station Rehabilitation	136.34	0.00	0.00	136.46
Combined Total	*136.34*	*0.00*	*0.00*	*136.46*
2036				
X-044 Steve Anderson Lift Station Rehabilitation	59.46	0.00	0.00	59.50
Combined Total	*59.46*	*0.00*	*0.00*	*59.50*
Total				
Total For All Years of Construction	**8,067.22**	**0.34**	**0.00**	**8,076.31**

Notes: GHG = greenhouse gas; CO_2 = carbon dioxide; CH_4 = methane; N_2O = nitrous oxide; CO_2e = carbon dioxide equivalent.
See Appendix D for complete results.

As shown in Table 4.7-5, total estimated GHG emissions generated during construction of joint plant projects is approximately 8,076 MT CO_2e.

Table 4.7-6 presents estimated construction GHG emissions generated during construction of the collection system projects.

Table 4.7-6. Collection System Estimated Annual Construction GHG Emissions

Project	CO_2	CH_4	N_2O	CO_2e
	Metric Tons per Year			
2021				
7-66 Sunflower and Red Hill Interceptor Rehab/Repair	6.78	0.00	0.00	6.78
5-68 Newport Beach Pump Station Odor Control Improvements	128.85	0.01	0.00	129.16
Combined Total	*135.63*	*0.01*	*0.00*	*135.94*

Table 4.7-6. Collection System Estimated Annual Construction GHG Emissions

Project	CO_2	CH_4	N_2O	CO_2e
	Metric Tons per Year			
2022				
7-68 MacArthur Dual Force Main Improvements	25.04	0.00	0.00	25.07
5-68 Newport Beach Pump Station Odor Control Improvements	226.52	0.02	0.00	227.06
7-65 Gisler – Red Hill Interceptor Rehabilitation	146.47	0.01	0.00	146.65
7-67 Main Street P5 Force Main Rehabilitation	102.34	0.01	0.00	102.56
Combined Total	*500.37*	*0.04*	*0.00*	*501.34*
2023				
X-078 Air Jumper Additions and Rehabilitation	6.75	0	0	6.76
7-68 MacArthur Dual Force Main Improvements	225.39	0.01	0.00	225.60
7-65 Gisler – Red Hill Interceptor Rehabilitation	6.78	0.00	0.00	6.78
7-67 Main Street P5 Force Main Rehabilitation	18.73	0.00	0.00	18.75
X-076 Santa Ana Trunk Sewer Rehabilitation Phase II	79.64	0.00	0.00	79.72
Combined Total	*337.29*	*0.01*	*0.00*	*337.61*
2024				
X-078 Air Jumper Additions and Rehabilitation	13.50	0.00	0.00	13.52
2-73 Yorba Linda Pump Station Abandonment	164.81	0.04	0.00	165.85
X-060 Newhope Placentia Chemical Dosing Station	121.93	0.02	0.00	122.37
X-076 Santa Ana Trunk Sewer Rehabilitation Phase II	449.03	0.02	0.00	449.50
X-082 North Trunk Improvement Project	170.57	0.03	0.00	171.32
Combined Total	*919.84*	*0.11*	*0.00*	*922.56*
2025				
X-078 Air Jumper Additions and Rehabilitation	13.50	0.00	0.00	13.52
2-73 Yorba Linda Pump Station Abandonment	95.81	0.02	0.00	96.24
X-076 Santa Ana Trunk Sewer Rehabilitation Phase II	6.73	0.00	0.00	6.74
X-082 North Trunk Improvement Project	22.65	0.00	0.00	22.67
X-083 Greenville–Sullivan Sewer Relief Project	339.49	0.06	0.00	341.04
Combined Total	*478.18*	*0.08*	*0.00*	*480.21*

Table 4.7-6. Collection System Estimated Annual Construction GHG Emissions

Project	CO_2	CH_4	N_2O	CO_2e
	Metric Tons per Year			
2026				
X-078 Air Jumper Additions and Rehabilitation	13.50	0.00	0.00	13.52
11-33 Edinger Pumping Station Replacement	42.01	0.01	0.00	42.23
X-083 Greenville–Sullivan Sewer Relief Project	106.81	0.02	0.00	107.22
Combined Total	*162.32*	*0.03*	*0.00*	*162.97*
2027				
X-078 Air Jumper Additions and Rehabilitation	13.50	0.00	0.00	13.52
11-33 Edinger Pumping Station Replacement	391.95	0.04	0.00	393.03
X-026 College Avenue Force Main Rehabilitation	93.89	0.00	0.00	93.98
Combined Total	*499.34*	*0.04*	*0.00*	*500.53*
2028				
X-078 Air Jumper Additions and Rehabilitation	13.50	0.00	0.00	13.52
11-33 Edinger Pumping Station Replacement	125.65	0.01	0.00	125.87
X-026 College Avenue Force Main Rehabilitation	23.47	0.00	0.00	23.50
2-49 Taft Branch (City of Orange) Sewer Upsize	266.17	0.05	0.00	267.38
Combined Total	*428.79*	*0.06*	*0.00*	*430.27*
2029				
X-078 Air Jumper Additions and Rehabilitation	11.25	0.00	0.00	11.27
X-063 South Santa Ana River Interceptor Connector Rehabilitation	140.89	0.02	0.00	141.41
Combined Total	*152.14*	*0.02*	*0.00*	*152.68*
2030				
X-078 Air Jumper Additions and Rehabilitation	11.25	0.00	0.00	11.27
X-071 Edinger / Springdale Trunk Sewer Rehabilitation	135.67	0.01	0.00	135.81
Combined Total	*146.92*	*0.01*	*0.00*	*147.08*
2031				
X-078 Air Jumper Additions and Rehabilitation	11.25	0.00	0.00	11.27
X-071 Edinger / Springdale Trunk Sewer Rehabilitation	114.76	0.00	0.00	114.86

Table 4.7-6. Collection System Estimated Annual Construction GHG Emissions

Project	CO_2	CH_4	N_2O	CO_2e
	Metric Tons per Year			
7-63 MacArthur Pump Station Rehabilitation	114.65	0.00	0.00	114.77
X-065 Tustin-Orange Interceptor Sewer at Reach 17 Rehabilitation	9.78	0.00	0.00	9.79
X-023 Lido Pump Station Rehabilitation	52.97	0.00	0.00	53.07
11-34 Slater Avenue Pump Station Rehabilitation	37.25	0.00	0.00	37.33
7-64 Main Street Pump Station Rehabilitation	20.18	0.00	0.00	20.22
Combined Total	*360.84*	*0.00*	*0.00*	*361.31*
2032				
X-078 Air Jumper Additions and Rehabilitation	11.25	0.00	0.00	11.27
7-63 MacArthur Pump Station Rehabilitation	346.53	0.01	0.00	346.88
X-065 Tustin-Orange Interceptor Sewer at Reach 17 Rehabilitation	107.58	0.00	0.00	107.69
X-023 Lido Pump Station Rehabilitation	68.10	0.01	0.00	68.24
11-34 Slater Avenue Pump Station Rehabilitation	55.88	0.00	0.00	55.99
7-64 Main Street Pump Station Rehabilitation	60.54	0.01	0.00	60.66
Combined Total	*649.88*	*0.03*	*0.00*	*650.73*
2033				
X-078 Air Jumper Additions and Rehabilitation	6.75	0.00	0.00	6.76
3-67 Seal Beach Pump Station Replacement	184.88	0.01	0.00	185.05
X-084 Tustin Avenue Sewer Relief	117.36	0.00	0.00	117.48
11-34 Slater Avenue Pump Station Rehabilitation	27.94	0.00	0.00	27.99
7-64 Main Street Pump Station Rehabilitation	40.36	0.00	0.00	40.44
Combined Total	*377.29*	*0.01*	*0.00*	*377.72*
2034				
3-67 Seal Beach Pump Station Replacement	0.19	0.00	0.00	0.19
X-066 Tustin-Orange Interceptor Sewer at Reach 18 Rehabilitation	117.36	0.00	0.00	117.48
X-086 Santa Ana River Sewer Relief	174.11	0.01	0.00	174.30
X-067 (X-085) Hoover-Western Sub-Trunks Sewer Rehabilitation	195.65	0.01	0.00	195.84
Combined Total	*487.31*	*0.02*	*0.00*	*487.81*

Table 4.7-6. Collection System Estimated Annual Construction GHG Emissions

Project	CO_2	CH_4	N_2O	CO_2e
	Metric Tons per Year			
2035				
X-086 Santa Ana River Sewer Relief	226.06	0.01	0.00	226.28
X-067 (X-085) Hoover-Western Sub-Trunks Sewer Rehabilitation	54.78	0.00	0.00	54.83
Combined Total	*280.84*	*0.01*	*0.00*	*281.11*
2036				
X-040 College Ave Pump Station Replacement	65.84	0.00	0.00	65.89
X-061 Imperial Highway Relief Interceptor Rehabilitation	27.83	0.00	0.00	27.85
X-022 15th Street Pump Station Rehabilitation	27.94	0.00	0.00	27.99
X-041 A Street Pump Station Rehabilitation	24.21	0.00	0.00	24.26
X-024 Rocky Point Pump Station Rehabilitation	51.66	0.00	0.00	51.70
Combined Total	*197.48*	*0.00*	*0.00*	*197.69*
2037				
X-040 College Ave Pump Station Replacement	192.45	0.01	0.00	192.60
X-061 Imperial Highway Relief Interceptor Rehabilitation	222.60	0.01	0.00	222.82
X-068 North Trunk Rehabilitation	117.36	0.00	0.00	117.48
X-022 15th Street Pump Station Rehabilitation	93.13	0.01	0.00	93.32
X-041 A Street Pump Station Rehabilitation	96.86	0.01	0.00	97.05
5-66 Crystal Cove Pumping Station Upgrade and Rehabilitation	103.77	0.01	0.00	103.98
X-024 Rocky Point Pump Station Rehabilitation	206.63	0.01	0.00	206.79
X-025 Bitter Point Pump Station Rehabilitation	189.41	0.01	0.00	189.56
Combined Total	*1,222.21*	*0.07*	*0.00*	*1,223.60*
2038				
5-66 Crystal Cove Pumping Station Upgrade and Rehabilitation	17.30	0.00	0.00	17.33
X-025 Bitter Point Pump Station Rehabilitation	68.88	0.00	0.00	68.93
Combined Total	*86.18*	*0.00*	*0.00*	*86.26*
Total				
Total For All Years of Construction	**7,422.85**	**0.55**	**0.00**	**7,437.42**

Notes: GHG = greenhouse gas; CO_2 = carbon dioxide; CH_4 = methane; N_2O = nitrous oxide; CO_2e = carbon dioxide equivalent. See Appendix D for complete results.

As shown in Table 4.7-6, total estimated GHG emissions generated during construction of collection system projects is approximately 7,437 MT CO_2e.

Table 4.7-7 presents estimated construction GHG emissions generated during construction of the entire project in each year, including the Plant 1, Plant 2, joint plant, and collection system projects.

Table 4.7-7. Combined Projects Estimated Annual Construction GHG Emissions

Project	CO_2	CH_4	N_2O	CO_2e
	Metric Tons per Year			
2021				
Plant 1	0.00	0.00	0.00	0.00
Plant 2	737.27	0.11	0.00	740.01
Joint Plant	271.42	0.01	0.00	271.76
Collection System	135.63	0.01	0.00	135.94
Combined Total	*1,144.32*	*0.13*	*0.00*	*1,147.71*
2022				
Plant 1	0.00	0.00	0.00	0.00
Plant 2	850.57	0.12	0.00	853.65
Joint Plant	320.11	0.02	0.00	320.49
Collection System	500.37	0.04	0.00	501.34
Combined Total	*1,671.05*	*0.18*	*0.00*	*1,675.48*
2023				
Plant 1	129.88	0.03	0.00	130.52
Plant 2	1,282.62	0.15	0.00	1,286.48
Joint Plant	319.21	0.01	0.00	319.56
Collection System	337.29	0.01	0.00	337.61
Combined Total	*2,069.00*	*0.20*	*0.00*	*2,074.17*
2024				
Plant 1	412.91	0.10	0.00	415.43
Plant 2	1,510.82	0.17	0.00	1,515.15
Joint Plant	446.93	0.02	0.00	447.66
Collection System	919.84	0.11	0.00	922.56
Combined Total	*3,318.57*	*0.41*	*0.00*	*3,328.93*
2025				
Plant 1	559.13	0.08	0.00	561.10
Plant 2	695.69	0.08	0.00	697.73
Joint Plant	1,198.46	0.08	0.00	1,200.55
Collection System	478.18	0.08	0.00	480.21
Combined Total	*2,968.06*	*0.32*	*0.00*	*2,976.22*
2026				
Plant 1	621.85	0.12	0.00	624.62
Plant 2	287.99	0.04	0.00	289.16
Joint Plant	952.79	0.03	0.00	953.75
Collection System	162.32	0.03	0.00	162.97
Combined Total	*2,056.00*	*0.22*	*0.00*	*2,061.57*

Table 4.7-7. Combined Projects Estimated Annual Construction GHG Emissions

Project	CO_2	CH_4	N_2O	CO_2e
	Metric Tons per Year			
2027				
Plant 1	670.98	0.13	0.00	674.43
Plant 2	422.51	0.06	0.00	424.10
Joint Plant	1,053.59	0.04	0.00	1,054.66
Collection System	499.34	0.04	0.00	500.53
Combined Total	*2,672.34*	*0.28*	*0.00*	*2,679.67*
2028				
Plant 1	440.37	0.05	0.00	441.44
Plant 2	6.38	0.00	0.00	6.39
Joint Plant	1,006.51	0.04	0.00	1,007.54
Collection System	428.79	0.06	0.00	430.27
Combined Total	*1,884.39*	*0.15*	*0.00*	*1,887.99*
2029				
Plant 1	311.64	0.03	0.00	312.43
Plant 2	0.00	0.00	0.00	0.00
Joint Plant	817.49	0.03	0.00	818.32
Collection System	152.14	0.02	0.00	152.68
Combined Total	*1,281.27*	*0.08*	*0.00*	*1,283.43*
2030				
Plant 1	241.84	0.01	0.00	242.04
Plant 2	0.00	0.00	0.00	0.00
Joint Plant	745.80	0.03	0.00	746.40
Collection System	146.92	0.01	0.00	147.08
Combined Total	*1,134.56*	*0.05*	*0.00*	*1,135.52*
2031				
Plant 1	322.16	0.01	0.00	322.43
Plant 2	247.44	0.02	0.00	247.95
Joint Plant	496.08	0.02	0.00	496.45
Collection System	360.84	0.00	0.00	361.31
Combined Total	*1,426.52*	*0.05*	*0.00*	*1,428.14*
2032				
Plant 1	761.75	0.02	0.00	762.44
Plant 2	909.35	0.07	0.00	911.04
Joint Plant	229.70	0.01	0.00	229.87
Collection System	649.88	0.03	0.00	650.73
Combined Total	*2,550.68*	*0.13*	*0.00*	*2,554.08*
2033				
Plant 1	420.57	0.01	0.00	420.90
Plant 2	125.76	0.01	0.00	126.00
Joint Plant	13.33	0.00	0.00	13.34

Table 4.7-7. Combined Projects Estimated Annual Construction GHG Emissions

Project	CO_2	CH_4	N_2O	CO_2e
	Metric Tons per Year			
Collection System	377.29	0.01	0.00	377.72
Combined Total	*936.95*	*0.03*	*0.00*	*937.96*
2034				
Plant 1	553.64	0.02	0.00	554.09
Plant 2	0.00	0.00	0.00	0.00
Joint Plant	0.00	0.00	0.00	0.00
Collection System	487.31	0.02	0.00	487.81
Combined Total	*1,040.95*	*0.04*	*0.00*	*1,041.90*
2035				
Plant 1	434.54	0.01	0.00	434.89
Plant 2	0.00	0.00	0.00	0.00
Joint Plant	136.34	0.00	0.00	136.46
Collection System	280.84	0.01	0.00	281.11
Combined Total	*851.72*	*0.02*	*0.00*	*852.46*
2036				
Plant 1	532.84	0.01	0.00	533.25
Plant 2	574.03	0.01	0.00	574.50
Joint Plant	59.46	0.00	0.00	59.50
Collection System	197.48	0.00	0.00	197.69
Combined Total	*1,363.81*	*0.02*	*0.00*	*1,364.94*
2037				
Plant 1	290.72	0.01	0.00	290.95
Plant 2	861.49	0.04	0.00	862.20
Joint Plant	0.00	0.00	0.00	0.00
Collection System	1,222.21	0.07	0.00	1,223.60
Combined Total	*2,374.42*	*0.12*	*0.00*	*2,376.75*
2038				
Plant 1	267.86	0.01	0.00	268.10
Plant 2	875.59	0.03	0.00	876.29
Joint Plant	0.00	0.00	0.00	0.00
Collection System	86.18	0.00	0.00	86.26
Combined Total	*1,229.63*	*0.04*	*0.00*	*1,230.65*
2039				
Plant 1	111.27	0.00	0.00	111.35
Plant 2	616.78	0.02	0.00	617.27
Joint Plant	0.00	0.00	0.00	0.00
Collection System	0.00	0.00	0.00	0.00
Combined Total	*728.05*	*0.02*	*0.00*	*728.62*
2040				
Plant 1	0.00	0.00	0.00	0.00
Plant 2	498.47	0.02	0.00	498.84

Table 4.7-7. Combined Projects Estimated Annual Construction GHG Emissions

Project	CO_2	CH_4	N_2O	CO_2e
	Metric Tons per Year			
Joint Plant	0.00	0.00	0.00	0.00
Collection System	0.00	0.00	0.00	0.00
Combined Total	*498.47*	*0.02*	*0.00*	*498.84*
Total				
Total For All Years of Construction	33,200.76	2.51	0.00	33,265.03
Amortized Over 30 Years				1,108.83
~~*GHG Emissions Threshold*~~				~~*3,000*~~
Threshold Exceeded?				No

Notes: GHG = greenhouse gas; CO_2 = carbon dioxide; CH_4 = methane; N_2O = nitrous oxide; CO_2e = carbon dioxide equivalent.
See Appendix D for complete results.

As shown in Table 4.7-7, the estimated total GHG emissions during construction of the entire project would total approximately 33,265 MT CO_2e over the assumed 19-year construction period. Estimated project-generated construction emissions amortized over 30 years would be approximately 1,109 MT CO_2e per year~~, which would not exceed the recommended SCAQMD threshold of 3,000 MT CO_2e per year~~. As noted earlier, the expected lifetime of the FMP projects is anticipated to be greater than 30 years; however, 30 years is an appropriate assumption as many facilities are replaced prior to reaching full anticipated lifetime to maintain reliable service. Nonetheless, because the project would be buildout over a 19-year time period, assuming a lifetime of 19 years, estimated amortized project-generated construction emissions amortized would be approximately 1,751 MT CO_2e per year~~, which is also below the 3,000 MT CO_2e per year threshold~~.

Because there is no separate GHG threshold for construction, the evaluation of significance should consider project operation. ~~However, as explained below, the project is not anticipated to result in a net increase in operational GHG emissions. The impact determination is therefore based on the GHG emissions presented in Table 4.7-7 and, as shown, amortized construction emissions over 30 years would not exceed the recommended SCAQMD threshold of 3,000 MT CO_2e per year.~~

Operation

For land use development projects, typical GHG emissions that may be generated are associated with area sources (landscape maintenance equipment), energy (natural gas and electricity), mobile sources (vehicles), solid waste, water and wastewater, and potentially stationary sources. The FMP projects would rehabilitate, replace, or abandon existing facilities that are currently subject to ongoing operations and maintenance activity. Accordingly, the projects addressed in this PEIR do not propose appreciable changes to regular operations and maintenance activity by Sanitation District personnel. Accordingly, operation of the FMP projects is not anticipated to generate an increase in GHG emissions from area, energy, mobile, solid waste, water/wastewater, or stationary sources, with the exception of the Seal Beach pump station emergency generator, as further described below.

Plant 1 includes various replacement and rehabilitation projects, with only one project (X-090) including construction of a structure. X-090, Network, Telecommunications, and Server Relocation at Plant 1, includes the construction of an approximately 200-square-foot utility building to house Sanitation District network, telecommunications, and servers, which would not result in typical building GHG emissions such as electricity, water supply, and solid waste.

Similar to Plant 1, Plant 2 includes various replacement and rehabilitation projects, with only P2-126 and P2-138 including structural replacements. For P2-126, Substation and Warehouse Replacement at Plant 2, the existing 21,000-square-foot warehouse would be demolished and reconstructed in a new location, which is anticipated to be larger (approximately 30,100 square feet) as some outdoor storage may be moved to indoor storage. While the new warehouse would be larger in size, it is not anticipated to generate substantially greater electricity, natural gas, or water use and is anticipated to have increased energy efficiency compared to the existing building. P2-126 also includes replacement of a Southern California Edison substation and replacement of a service center (approximately 3,100 square feet), both of which are anticipated to be approximately the same size as the existing structures and would not result in a net increase in operational GHG emissions at these structures because they will primarily house electrical systems and equipment. P2-138, Operations and Maintenance Complex at Plant 2, would demolish the existing building and guard shack totaling 36,680 square feet and construct a new building (35,700 square feet) and new guard shack (200 square feet). Overall, the new structures would be slightly less square footage than the existing structures and would increase in building energy efficiency; therefore, this project would not result in an increase in GHG emissions.

The Joint Plant projects primarily consist of improvements of plantwide electrical and control systems; however, J-133 would result in a new structure. For J-133, Laboratory Rehabilitation or Replacement at Plant 1, the existing 40,000-square-foot laboratory building located at Plant 1 would be rehabilitated or replaced; however, for modeling purposes, it was assumed to be replaced by a new 40,000-square-foot laboratory building. The replacement J-133 building would be the same size, but since it would be built consistent with current building codes, including the 2019 Title 24 building energy efficiency standards, it is anticipated to be more energy efficient than the existing building. Equipment layout and future operation at the laboratory will continue to follow existing and future regulatory requirements for wastewater testing.

For the collection system projects, which primarily consist of replacement or rehabilitation of pipelines and pump stations, once the replacement or rehabilitation is complete, no routine operational activity[6] or associated GHG emissions would occur. X-060, Newhope Placentia Chemical Dosing Station, includes removal of an existing pump station and construction of a new chemical dosing station at the abandoned pump station site. The chemical dosing station is anticipated to be small (less than 100 square feet) and would not generate GHG emissions typical of building operation since it will primarily house chemicals.

As previously mentioned, no projects under the FMP are anticipated to require additional Sanitation District personnel. To the extent feasible, replacement and rehabilitation projects would assist in improving energy efficiency, which would reduce energy-related (electricity and natural gas) GHG emissions. Therefore, implementation of the project is not anticipated to generate an increase in operational GHG emissions compared to existing conditions and may reduce energy-related GHG emissions with the exception of the Seal Beach pump station emergency generator.

As noted under Section 4.7.3.2, Approach and Methodology, the existing temporary diesel-fueled emergency generator at the Seal Beach pump station (3-67) would be replaced with a permanent diesel-fueled emergency generator. Estimated GHG emissions from testing and maintenance for the permanent diesel-fueled emergency generator are presented in Table 4.7-8. Note that the existing temporary emergency generator testing GHG emissions that the permanent emergency generator would replace are conservatively not accounted for.

[6] Maintenance may occur for collection system projects; however, maintenance activities would be infrequent and would not represent a routine daily activity that would be a source of long-term GHG emissions.

Table 4.7-8 Estimated Annual Operational GHG Emissions

Emission Source	CO_2	CH_4	N_2O	CO_2e
	Metric Tons per Year			
3-67 Emergency generator testing (stationary)	47.70	0.01	0.01	51.62
Total	**47.70**	**0.01**	**0.01**	**51.62**
Amortized construction emissions				*1,108.83*
Total operational + amortized construction GHGs				**1,160.45**
GHG Emissions Threshold				3,000
Threshold Exceeded?				**No**

Notes: GHG = greenhouse gas; CO_2 = carbon dioxide; CH_4 = methane; N_2O = nitrous oxide; CO_2e = carbon dioxide equivalent.
See Appendix D for complete results.
Totals may not sum due to rounding.

As shown in Table 4.7-8, estimated annual operational emissions from emergency generator testing plus amortized construction emissions over 30 years would not exceed the recommended SCAQMD threshold of 3,000 MT CO_2e per year.

Summary

As discussed under construction and operation, and shown in Table 4.7-~~7~~8, amortized project-generated construction emissions plus annual operational emissions would not exceed the recommended 3,000 MT CO_2e per year SCAQMD threshold~~, and the project would not result in a net increase in operational GHG emissions~~. Therefore, GHG emissions impacts would be less than significant.

2. Would the project conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of GHGs?

Less-than-Significant Impact. The FMP's potential to conflict with an applicable plan, policy, or regulation is analyzed below.

Project Consistency with Local Greenhouse Gas Emission Reduction Plans

As explained previously, the FMP includes components that are within cities that have adopted GHG emission reduction plans, such as CAPs. The focus of GHG emission reduction plans is on long-term sources of GHG emissions rather than short-term construction. In addition, GHG reduction measures are primarily aimed at new and existing land use development and local-level municipal operations and are generally not applicable to utilities or projects undertaken by the Sanitation District. The Sanitation District understands the importance of consistency with the goals and policies identified within local jurisdictions' general plans and other local ordinances/plans, such as GHG reduction plans and CAPs; however, per California Government Code Section 53091, the Sanitation District, as a wastewater treatment facility, is exempt from local building ordinances. As part of standard practice, the Sanitation District would coordinate with local jurisdictions to the extent feasible during proposed FMP implementation to avoid and/or minimize potential impacts from the proposed FMP. The proposed FMP is intended to maintain, repair, and improve existing infrastructure, as necessary, to ensure the reliability of the Sanitation District's water conveyance and treatment system. Overall, the proposed FMP, which is a maintenance program, is not anticipated to conflict with any applicable land use plans, policies, or regulations of local agencies. Nonetheless, for disclosure, the FMP's potential to conflict with local adopted GHG reduction plans is evaluated below.

City of Fullerton

The City of Fullerton's 2012 CAP identifies a series of climate action strategies that guide the City in four focus areas: transportation and mobile strategy, energy and conservation strategy, water use and efficiency strategy, and solid waste and recycling strategy (City of Fullerton 2012). However, the measures outlined in the CAP are not directly applicable to individual projects and mainly are intended for the City to implement.

FMP project components located within the City of Fullerton include 2-73, X-060, and X-078. 2-73 involves abandonment of the Yorba Linda Pump Station and downstream forcemain and the related X-060 will add a chemical dosing station at the site of the abandoned Yorba Linda Pump Station. X-078 involves air jumper addition or rehabilitation. Implementation of the FMP projects within the City of Fullerton would not conflict with the CAP transportation/mobility, energy, water, and solid waste GHG emission reduction strategies as they would involve temporary construction activity and would not result in long-term, operational GHG emissions that are typical of land use development projects. In addition, consistency with the City of Fullerton's CAP can be determined if the FMP is consistent with The Fullerton Plan's year 2030 growth projections. Because the project would not result in growth within the City, the FMP would be consistent with the growth projections. As such, the FMP would not conflict with the City of Fullerton's CAP.

City of Huntington Beach

The City of Huntington Beach GGRP includes GHG reduction strategies grouped into nine categories: (1) land use, (2) transportation, (3) alternative fuels, (4) renewable energy, (5) energy efficiency, (6) off-road equipment, (7) water and wastewater, (8) resource management, and (9) community awareness. Specifically, the renewable energy grouping includes a strategy to expand the number of solar energy systems on new and existing nonresidential buildings and a strategy to transition to zero-net-energy buildings for all new construction in support of state mandates, and energy efficiency strategies include nonresidential retrofits and electrification. The off-road equipment strategies include alternative fuel construction equipment (hybrid-electric, natural gas, and biodiesel). Strategies related to transportation and alternative-fueled vehicles would not apply to the FMP because there would be no operation net increase in Sanitation District staff or associated vehicle trips.

FMP project components located within the City of Huntington Beach[7] include 11-33, 11-34, J-121, P2-126, P2-138, X-007, X-032, X-036, X-037, X-050, X-054, X-071, and X-078. Projects 11-33 and 11-34 involve pump station replacement, X-036 involves pump station rehabilitation, X-037 involves pump station demolition, X-007 involves waste side-stream pump station upgrades, and X-054 involves waste side=stream pump station rehabilitation. Project X-032 involves rehabilitation of an existing truck loading facility, X-050 includes rehabilitation of the Plant 2 activated sludge aeration basin, X-071 involves truck sewer rehabilitation, X-078 involves air jumper addition or rehabilitation, and J-121 involves uninterruptible power system (UPS) system upgrades. P2-126 involves substation, service center, and warehouse replacement, and P2-138 involves an operations and maintenance complex at Plant 2; both include replacement buildings or smaller structural enclosures.

Projects 11-33, 11-34, J-121, X-007, X-032, X-036, X-037, X-050, X-054, X-071, and X-078 do not include new structures or long-term operational GHG emissions; however, all would result in temporary construction GHG

[7] The following projects are located within the unincorporated area of Huntington Beach and therefore, are not within the City of Huntington Beach's jurisdiction: P2-119, X-014, X-030, X-031, X-034, and X-052.

emissions. The City's off-road GHG reduction strategies include the use of hybrid and alternative fuel construction equipment for large projects. To the extent hybrid-electric, natural gas, and biodiesel equipment becomes more readily available in construction fleets, the Sanitation District will use such equipment for construction activities. Projects P2-126 and P2-138 would replace existing buildings and structures with buildings and structures of equal or similar size, which would be more energy efficient than the existing buildings and structures. As explained under the qualitative operational emissions analysis, neither P2-126 nor P2-138 are anticipated to result in a substantial increase on operational activity and associated GHG emissions. Accordingly, the P2-126 and P2-138 would not conflict with the City of Huntington Beach's GGRP strategies related to energy. Overall, the FMP is not anticipated to conflict with the City of Huntington Beach's GGRP.

City of La Habra

The City of La Habra's 2016 CAP includes various GHG emission reduction measures related to transportation (vehicle miles traveled [VMT] reduction, alternative fuels, and bicycle infrastructure), energy (energy efficiency for new development and retrofits, and renewable energy), area source (electric landscape equipment, tree planting, and urban heat island reduction), water (water use reduction and water efficiency), and solid waste (waste diversion, landfill energy, and waste education).

FMP project components located within the City of La Habra include X-061 and X-078. X-061 includes replacing and rehabilitating sewer pipe along Imperial Highway and X-078 involves air jumper addition or rehabilitation. Both X-061 and X-078 involve temporary construction activity and would not represent a long-term source of GHG emissions that would conflict with the City of La Habra's CAP. In addition, the City of La Habra's GHG emission reduction measures would not apply as they are focused on typical land use development. To demonstrate consistency with the City of La Habra's CAP, projects would have to incorporate measures that address the following broad categories of GHG emissions sources: electricity use and use of fossil-fuel based generation for heating, water use, and mobiles sources. Because the FMP projects within the City of La Habra's city limits would not result in electricity, heating, or water demand or generate mobile source emissions, no reductions would be necessary. As such, the FMP would not conflict with the City of La Habra's CAP.

City of Santa Ana

The City of Santa Ana's 2015 CAP includes reduction measures focused on transportation, land use, energy, solid waste, water, and wastewater. Regarding transportation and land use, the City of Santa Ana's CAP includes measures related to development of local retail nodes, placement of residential nodes near retail and employment, traffic signal synchronization, end of trip facilities, safe routes to school, bike/pedestrian/transit connectivity, bike sharing, and municipal operations. Energy measures include Property Assessed Clean Energy financing, solar photovoltaic, weatherization, streetlight retrofits, benchmarking and retrocommissioning, Title 24 energy efficiency for commercial and residential, green business challenge, and municipal operations measures. Solid waste, water, and wastewater CAP measures include AB 341 commercial and multifamily recycling, food waste digestion, rainwater harvesting, and turf removal.

FMP project components located either entirely or within a portion of the City of Santa Ana are 7-66, X-078, X-083, and X-084. Project 7-66 would repair plastic liner failures of the Sunflower and Red Hill interceptors, X-083 includes replacement of pipe with a large-diameter pipe along the Greenville–Sullivan regional sewer, X-084 would replace and upsize approximately pipe to increase the capacity of the West Trunk regional sewer, and X-078 involves air jumper addition or rehabilitation. None of the City of Santa Ana CAP

reduction measures would apply to the FMP project components within the City because they would result in temporary GHG emissions generated during construction, but would not result in long-term operational GHG emissions. Accordingly, the FMP would not conflict with the City of Santa Ana's CAP.

Project Consistency with CARB's Scoping Plan

The Scoping Plan (approved by CARB in 2008 and updated in 2014 and 2017) provides a framework for actions to reduce California's GHG emissions and requires CARB and other state agencies to adopt regulations and other initiatives to reduce GHGs. The Scoping Plan is not directly applicable to specific projects, nor is it intended to be used for project-level evaluations.[8] Under the Scoping Plan, however, there are several state regulatory measures aimed at the identification and reduction of GHG emissions. CARB and other state agencies have adopted many of the measures identified in the Scoping Plan. Most of these measures focus on area source emissions (e.g., energy usage, high-GWP GHGs in consumer products) and changes to the vehicle fleet (i.e., hybrid, electric, and more fuel-efficient vehicles) and associated fuels (e.g., LCFS), among others. Accordingly, the Scoping Plan measures focus on reducing long-term operational GHG emissions rather than short-term construction GHG emissions.

The Scoping Plan recommends strategies for implementation at the statewide level to meet the goals of AB 32 and establishes an overall framework for the measures that will be adopted to reduce California's GHG emissions. Table 4.7-9~~8~~ highlights measures that have been, or will be, developed under the Scoping Plan and presents the FMP's consistency with Scoping Plan measures. The FMP would comply with all regulations adopted in furtherance of the Scoping Plan to the extent required by law and to the extent that they are applicable to the FMP.

Table 4.7-9~~8~~. FMP Consistency with 2008 Scoping Plan GHG Emission Reduction Strategies

Scoping Plan Measure	Measure Number	FMP Consistency
Transportation Sector		
Advanced Clean Cars	T-1	*No conflict.* The FMP would not result in a net increase in operational vehicle trips.
Low Carbon Fuel Standard	T-2	*No conflict.* This is a statewide measure that cannot be implemented by a project applicant or lead agency.
Regional Transportation-Related GHG Targets	T-3	*Not applicable.* The FMP is not related to developing GHG emission reduction targets. The project would not preclude the implementation of this strategy.
Advanced Clean Transit	N/A	*Not applicable.* The FMP would not prevent CARB from implementing this measure.
Last-Mile Delivery	N/A	*Not applicable.* The FMP would not prevent CARB from implementing this measure.
Reduction in VMT	N/A	*Not applicable.* The FMP would not result in a net increase in operational vehicle trips and the project

[8] The Final Statement of Reasons for the amendments to the State CEQA Guidelines reiterates the statement in the Initial Statement of Reasons that "[t]he Scoping Plan may not be appropriate for use in determining the significance of individual projects because it is conceptual at this stage and relies on the future development of regulations to implement the strategies identified in the Scoping Plan" (CNRA 2009a).

Table 4.7-~~9~~8. FMP Consistency with 2008 Scoping Plan GHG Emission Reduction Strategies

Scoping Plan Measure	Measure Number	FMP Consistency
		would not prevent CARB from implementing this measure.
Vehicle Efficiency Measures 1. Tire Pressure 2. Fuel Efficiency Tire Program 3. Low-Friction Oil 4. Solar-Reflective Automotive Paint and Window Glazing	T-4	*No conflict.* The FMP would not result in a net increase in operational vehicle trips. In addition, the Project would not prevent CARB from implementing this measure.
Ship Electrification at Ports (Shore Power)	T-5	*Not applicable.* The FMP is not located within a Port district. In addition, the FMP would not prevent CARB from implementing this measure.
Goods Movement Efficiency Measures 1. Port Drayage Trucks 2. Transport Refrigeration Units Cold Storage Prohibition 3. Cargo Handling Equipment, Anti-Idling, Hybrid, Electrification 4. Goods Movement Systemwide Efficiency Improvements 5. Commercial Harbor Craft Maintenance and Design Efficiency 6. Clean Ships 7. Vessel Speed Reduction	T-6	*Not applicable.* The FMP would not prevent CARB from implementing this measure.
Heavy-Duty Vehicle GHG Emission Reduction • Tractor-Trailer GHG Regulation • Heavy-Duty Greenhouse Gas Standards for New Vehicle and Engines (Phase I)	T-7	*No conflict.* The FMP would not result in an increase in operational heavy-duty vehicle trips. During construction, heavy-duty truck use would be temporary. In addition, the project would not prevent CARB from implementing this measure.
Medium- and Heavy-Duty Vehicle Hybridization Voucher Incentive Proposed Project	T-8	*No conflict.* The FMP would not result in an increase in operational medium- or heavy-duty vehicle trips. In addition, the FMP would not prevent CARB from implementing this measure.
Medium and Heavy-Duty GHG Phase 2	N/A	*Not applicable.* The FMP would not result in an increase in operational medium- or heavy-duty vehicle trips. The FMP would not prevent CARB from implementing this measure.
High-Speed Rail	T-9	*Not applicable.* The FMP would not prevent CARB from implementing this measure.
Electricity and Natural Gas Sector		
Energy Efficiency Measures (Electricity)	E-1	*No conflict.* The FMP is not anticipated to result in a net increase in operational electricity use. However, the FMP replacement buildings would comply with the current Title 24 Building Energy Efficiency Standards, which is anticipated to improve energy efficiency and reduce electricity use. In addition, the

Table 4.7-~~9~~8. FMP Consistency with 2008 Scoping Plan GHG Emission Reduction Strategies

Scoping Plan Measure	Measure Number	FMP Consistency
		FMP would not prevent CARB from implementing this measure.
Energy Efficiency (Natural Gas)	CR-1	*No conflict.* The FMP is not anticipated to result in a net increase in operational natural gas use. However, the FMP replacement buildings would comply with the current Title 24 Building Energy Efficiency Standards, which is anticipated to improve energy efficiency and reduce natural gas use. In addition, the FMP would not prevent CARB from implementing this measure.
Solar Water Heating (California Solar Initiative Thermal Program)	CR-2	*No conflict.* The majority of the FMP project components do not require hot water and the project replacement buildings are not anticipated to require substantial amounts of hot water to make solar water heating feasible.
Combined Heat and Power	E-2	*Not applicable.* The FMP would not prevent CARB from implementing this measure.
Renewables Portfolio Standard (33% by 2020)	E-3	*No conflict.* The FMP is not anticipated to result in a net increase in operational electricity use. Electricity use during construction is anticipated to be minimal and temporary, but would benefit from Southern California Edison meeting the RPS.
Renewables Portfolio Standard (50% by 2050)	N/A	*No conflict.* The FMP is not anticipated to result in a net increase in operational electricity use. Electricity use during construction is anticipated to be minimal and temporary, but would benefit from Southern California Edison meeting the RPS.
SB 1 Million Solar Roofs (California Solar Initiative, New Solar Home Partnership, Public Utility Programs) and Earlier Solar Programs	E-4	*Not applicable.* The FMP would not prevent CARB from implementing this measure. As the majority of the FMP components are for wastewater infrastructure projects, installation of solar would not be feasible.
Water Sector		
Water Use Efficiency	W-1	*No conflict.* The FMP would not prevent CARB from implementing this measure. The FMP includes wastewater infrastructure projects, so water use efficiency is not relevant.
Water Recycling	W-2	*No conflict.* The FMP would not prevent CARB from implementing this measure.
Water System Energy Efficiency	W-3	*No conflict.* The FMP would not prevent CARB from implementing this measure.
Reuse Urban Runoff	W-4	*No conflict.* The FMP would not prevent CARB from implementing this measure.
Renewable Energy Production	W-5	*No conflict.* The FMP would not prevent CARB from implementing this measure. Because the majority of the FMP project components include wastewater

Table 4.7-~~9~~8. FMP Consistency with 2008 Scoping Plan GHG Emission Reduction Strategies

Scoping Plan Measure	Measure Number	FMP Consistency
		infrastructure rehabilitation and replacement, renewable energy production is not feasible.
Green Buildings		
State Green Building Initiative: Leading the Way with State Buildings (Greening New and Existing State Buildings)	GB-1	*No conflict.* The FMP's replacement buildings would be required to be constructed in compliance with state or local green building standards in effect at the time of building construction.
Green Building Standards Code (Greening New Public Schools, Residential and Commercial Buildings)	GB-1	*No conflict.* The FMP's replacement buildings would meet green building standards that are in effect at the time of design and construction.
Beyond Code: Voluntary Programs at the Local Level (Greening New Public Schools, Residential and Commercial Buildings)	GB-1	*No conflict.* The FMP's replacement buildings would meet green building standards that are in effect at the time of design and construction.
Greening Existing Buildings (Greening Existing Homes and Commercial Buildings)	GB-1	*Not applicable.* This is applicable for existing buildings only.
Industry Sector		
Energy Efficiency and Co-Benefits Audits for Large Industrial Sources	I-1	*Not applicable.* The FMP would not prevent CARB from implementing this measure.
Oil and Gas Extraction GHG Emission Reduction	I-2	*Not applicable.* The FMP would not prevent CARB from implementing this measure.
Reduce GHG Emissions by 20% in Oil Refinery Sector	N/A	*Not applicable.* The FMP would not prevent CARB from implementing this measure.
GHG Emissions Reduction from Natural Gas Transmission and Distribution	I-3	*Not applicable.* The FMP would not prevent CARB from implementing this measure.
Refinery Flare Recovery Process Improvements	I-4	*Not applicable.* The FMP would not prevent CARB from implementing this measure.
Work with the Local Air Districts to Evaluate Amendments to Their Existing Leak Detection and Repair Rules for Industrial Facilities to Include Methane Leaks	I-5	*Not applicable.* The FMP would not prevent CARB from implementing this measure.
Recycling and Waste Management Sector		
Landfill Methane Control Measure	RW-1	*Not applicable.* The FMP would not prevent CARB from implementing this measure.
Increasing the Efficiency of Landfill Methane Capture	RW-2	*Not applicable.* The FMP would not prevent CARB from implementing this measure.
Mandatory Commercial Recycling	RW-3	*No conflict.* During both construction and operation of the FMP, the FMP would comply with all state regulations related to solid waste generation, storage, and disposal, including the California Integrated Waste Management Act, as amended.
Increase Production and Markets for Compost and Other Organics	RW-3	*Not applicable.* The FMP would not prevent CARB from implementing this measure.
Anaerobic/Aerobic Digestion	RW-3	*Not applicable.* The FMP would not prevent CARB from implementing this measure.

Table 4.7-~~9~~8. FMP Consistency with 2008 Scoping Plan GHG Emission Reduction Strategies

Scoping Plan Measure	Measure Number	FMP Consistency
Extended Producer Responsibility	RW-3	*Not applicable.* The FMP would not prevent CARB from implementing this measure.
Environmentally Preferable Purchasing	RW-3	*Not applicable.* The FMP would not prevent CARB from implementing this measure.
Forests Sector		
Sustainable Forest Target	F-1	*Not applicable.* The FMP would not prevent CARB from implementing this measure.
High GWP Gases Sector		
Motor Vehicle Air Conditioning Systems: Reduction of Refrigerant Emissions from Non-Professional Servicing	H-1	*No conflict.* The FMP's employees would be prohibited from performing motor vehicle air conditioning repairs, which would be required to use professional servicing.
SF_6 Limits in Non-Utility and Non-Semiconductor Applications	H-2	*Not applicable.* The FMP would not prevent CARB from implementing this measure.
Reduction of Perfluorocarbons (PFCs) in Semiconductor Manufacturing	H-3	*Not applicable.* The FMP would not prevent CARB from implementing this measure.
Limit High GWP Use in Consumer Products	H-4	*No conflict.* The FMP would not result in an increase in employees or associated consumer product use.
Air Conditioning Refrigerant Leak Test During Vehicle Smog Check	H-5	*No conflict*. Motor vehicles driven by the FMP's delivery trucks would comply with the leak test requirements during smog checks.
Stationary Equipment Refrigerant Management Program – Refrigerant Tracking/Reporting/Repair Program	H-6	*Not applicable.* The FMP would not prevent CARB from implementing this measure.
Stationary Equipment Refrigerant Management Program – Specifications for Commercial and Industrial Refrigeration	H-6	*Not applicable.* The FMP would not prevent CARB from implementing this measure.
SF_6 Leak Reduction Gas Insulated Switchgear	H-6	*Not applicable.* The FMP would not prevent CARB from implementing this measure.
40% Reduction in Methane and Hydrofluorocarbon (HFC) Emissions	N/A	*Not applicable.* The FMP would not prevent CARB from implementing this measure.
50% Reduction in Black Carbon Emissions	N/A	*Not applicable.* The FMP would not prevent CARB from implementing this measure.
Agriculture Sector		
Methane Capture at Large Dairies	A-1	*Not applicable.* The FMP would not prevent CARB from implementing this measure.

Notes: GHG = greenhouse gas; CARB = California Air Resources Board; VMT = vehicle miles traveled; SB = Senate Bill; N/A = not applicable; SF_6 = sulfur hexafluoride.

Based on the analysis in Table 4.7-~~9~~8, the FMP would not conflict with the applicable strategies and measures in the 2008 Scoping Plan.

The 2017 Scoping Plan Update reflects the 2030 target of a 40% reduction below 1990 levels codified by SB 32. Table 4.7-~~10~~9 evaluates the FMP's potential conflict with the 2017 Scoping Plan recommended actions.

Table 4.7-109. FMP Consistency with 2017 Scoping Plan Climate Change Policies and Measures

Recommend Action Summary	Lead Agencies	FMP Consistency
Implement SB 350 by 2030 • Increase Renewable Portfolio Standard • Establish annual targets for statewide energy efficiency • Reduce GHG emissions in the electricity sector	CPUC, CEC, CARB	*No conflict.* This action is directed towards policymakers and would not be directly applicable to the FMP. Nonetheless, the FMP would improve energy efficiency and reduce electricity-related GHG emissions when replacing older buildings and systems with newer, more efficient buildings and systems.
Implement Mobile Source Strategy (Cleaner Technology and Fuels) • Increase zero emission and plug-in hybrid electric vehicles • Increase GHG stringency on light-duty vehicles beyond Advanced Clean Cars • Medium- and heavy-duty GHG Phase 2 • Innovative Clean Transit • Last Mile Delivery • Further reduce VMT through SB 375 and regional Sustainable Communities Strategy	CARB, CalSTA, SGC, CalTrans CEC, OPR, Local agencies	*No conflict.* The FMP would not result in an increase in operational vehicle trips.
Increase stringency of SB 375 Sustainable Communities Strategy (2035 targets)	CARB	*No conflict.* This action is directed towards policymakers and would not be directly applicable to the FMP.
Adjust performance measures used to select and design transportation facilities by 2019	CalSTA and SGC, OPR, CARB, GoBiz, IBank, DOF, CTC, Caltrans	*No conflict.* The action is directed towards CARB and Caltrans, and the FMP would not result in an increase in operational vehicle trips.
Develop pricing policies to support low-GHG transportation (e.g. low-emission vehicle zones for heavy duty, road user, parking pricing, transit discounts) by 2019	CalSTA, Caltrans, CTC, OPR/SGC, CARB	*No conflict.* This action is directed towards policymakers and would not be directly applicable to the FMP.
Implement California Sustainable Freight Action Plan	CalSTA, CalEPA, CNRA, CARB, CalTrans, CEC, GoBiz	*No conflict.* The FMP would not result in an increase in operational vehicle trips including trucks.
Adopt a Low Carbon Fuel Standard with a carbon intensity reduction of 18 percent	CARB	*No conflict.* This action is directed towards CARB and would not be directly applicable to the FMP. In addition, the FMP would not result in an increase in operational vehicle trips.
Implement the Short-Lived Climate Pollutant Strategy by 2030	CARB, CalRecycle, CDFA, SWRCB, local air districts	*No conflict.* The FMP would be required to comply with the Short-Lived Climate Pollutant Strategy to the extent it is applicable.
Develop regulations and programs to support organic waste landfill reduction goals in the Short-Lived Climate Pollutant Strategy and SB 1383 by 2019	CARB, CalRecycle, CDFA, SWRCB, local air districts	*No conflict.* This action is not within the purview of the FMP.
Implement the post-2020 Cap-and-Trade Program with declining annual caps	CARB	*No conflict.* The FMP is not subject to the California Cap-and-Trade Program.

Table 4.7-10~~9~~. FMP Consistency with 2017 Scoping Plan Climate Change Policies and Measures

Recommend Action Summary	Lead Agencies	FMP Consistency
Develop Integrated Natural and Working Lands Implementation Plan to secure California's land base as a net carbon sink by 2018	CNRA and departments within, CDFA, CalEPA, CARB	*No conflict.* This action is not within the purview of the FMP. In addition, the FMP components primarily include rehabilitation and replacement of existing facilities and would not result in land use conversion that would reduce carbon storage.
Establish a carbon accounting framework for natural and working lands as described in SB 859 by 2018	CARB	*No conflict.* This action is not within the purview of the FMP.
Implement Forest Carbon Plan	CNRA, CAL FIRE, CalEPA and departments within	*No conflict.* This action is not within the purview of the FMP. In addition, the FMP components are located within developed urban areas and would not affect forested areas.
Identify and expand funding and financing mechanisms to support GHG reductions across all sectors.	State agencies and local agencies	*No conflict.* This action is not within the purview of the FMP.

Source: CARB 2017.
Notes: CalEPA = California Environmental Protection Agency; CAL FIRE = California Department of Forestry and Fire Protection; CalRecycle = California Department of Resources Recycling and Recovery; CalSTA = California State Transportation Agency; Caltrans = California Department of Transportation; CARB = California Air Resources Board; CDFA = California Department of Food and Agriculture; CEC = California Energy Commission; CNRA = California Natural Resources Agency; CPUC = California Public Utilities Commission; CTC = California Transportation Commission; DOF = Department of Finance; GHG = greenhouse gas; GoBiz = Governor's Office of Business and Economic Development; IBank = California Infrastructure Economic Development Bank; OPR = Governor's Office of Planning and Research; SB = Senate Bill; SGC = Strategic Growth Council.

Based on the analysis in Table 4.7-10~~9~~, the FMP would not conflict with the applicable climate change policies and measures in the 2017 Scoping Plan.

Project Consistency with SCAG's 2016 RTP/SCS

At the regional level, SCAG has adopted the 2016–2040 RTP/SCS for the purpose of reducing GHG emissions attributable to passenger vehicles within their jurisdictional boundaries (Orange, Imperial, Los Angeles, Riverside, San Bernardino, and Ventura Counties). Although the RTP/SCS does not regulate land use or supersede the exercise of land use authority by SCAG's member jurisdictions (e.g., member cities and counties), the RTP/SCS is a relevant regional reference document for purposes of evaluating the connection of land use and transportation patterns and the corresponding GHG emissions. Note that the Sanitation District is not a member of SCAG. The 2016 RTP/SCS provides broad direction and guidance for future development—encouraging the development of new uses in areas well served by transit and in urban infill areas.

SCAG's 2016 RTP/SCS is a regional growth-management strategy that targets per capita GHG reduction from passenger vehicles and light-duty trucks in the Southern California region pursuant to SB 375. In addition to demonstrating the region's ability to attain and exceed the GHG emission-reduction targets set forth by CARB, the 2016 RTP/SCS outlines a series of actions and strategies for integrating the transportation network with an overall land use pattern that responds to projected growth, housing needs, changing demographics, and transportation demands. Thus, successful implementation of the 2016 RTP/SCS would result in more complete communities with a variety of transportation and housing choices, while reducing automobile use. With regard to individual developments, such as the FMP, the strategies

and policies set forth in the 2016 RTP/SCS can be grouped into the following three categories: (1) reduction of vehicle trips and VMT, (2) increased use of alternative fuel vehicles, and (3) improved energy efficiency.

Because the FMP would not result in a net increase in operational vehicle trips, the FMP would not conflict with the 2016 RTP/SCS strategies related to reducing vehicle trips and VMT or use of alternative fuel vehicles. Construction vehicle trips would be temporary. All proposed replacement buildings would comply with the current CALGreen and Title 24 standards, which would improve energy efficiency and reduce energy consumption; therefore, the FMP would be consistent with the 2016 RTP/SCS goal to improve energy efficiency. Overall, the FMP would not conflict with the 2016 RTP/SCS strategies and policies.

Project Consistency with Senate Bill 32 and Executive Order S-3-05

The FMP would not impede the attainment of the GHG reduction goals for 2030 or 2050 identified in SB 32 and EO S-3-05, respectively. EO S-3-05 establishes the following goals: GHG emissions should be reduced to 2000 levels by 2010, to 1990 levels by 2020, and to 80% below 1990 levels by 2050. SB 32 establishes a statewide GHG emissions reduction target whereby CARB, in adopting rules and regulations to achieve the maximum technologically feasible and cost-effective GHG emissions reductions, shall ensure that statewide GHG emissions are reduced to at least 40% below 1990 levels by December 31, 2030. While there are no established protocols or thresholds of significance for that future year analysis, CARB forecasts that compliance with the current Scoping Plan puts the state on a trajectory of meeting these long-term GHG goals, although the specific path to compliance is unknown (CARB 2014).

CARB has expressed optimism with regard to both the 2030 and 2050 goals. It states in the First Update to the Climate Change Scoping Plan that "California is on track to meet the near-term 2020 GHG emissions limit and is well positioned to maintain and continue reductions beyond 2020 as required by AB 32" (CARB 2014). With regard to the 2050 target for reducing GHG emissions to 80% below 1990 levels, the First Update to the Climate Change Scoping Plan states the following (CARB 2014):

> This level of reduction is achievable in California. In fact, if California realizes the expected benefits of existing policy goals (such as 12,000 megawatts of renewable distributed generation by 2020, net zero energy homes after 2020, existing building retrofits under AB 758, and others) it could reduce emissions by 2030 to levels squarely in line with those needed in the developed world and to stay on track to reduce emissions to 80% below 1990 levels by 2050. Additional measures, including locally driven measures and those necessary to meet federal air quality standards in 2032, could lead to even greater emission reductions.

In other words, CARB believes that the state is on a trajectory to meet the 2030 and 2050 GHG reduction targets set forth in AB 32, EO B-30-15, and EO S-3-05. This is confirmed in the 2017 Scoping Plan, which states the following (CARB 2017):

> The Scoping Plan builds upon the successful framework established by the Initial Scoping Plan and First Update, while also identifying new, technologically feasible, and cost-effective strategies to ensure that California meets its GHG reduction targets in a way that promotes and rewards innovation, continues to foster economic growth, and delivers improvements to the environment and public health, including in disadvantaged communities.

The FMP would not interfere with implementation of any of the previously described GHG reduction goals for 2030 or 2050 because the FMP would not exceed the SCAQMD's recommended threshold of 3,000 MT CO_2e per year (SCAQMD 2008). Because the FMP would not exceed the threshold, this analysis provides support for the conclusion that the FMP would not impede the state's trajectory toward the previously described statewide GHG

reduction goals for 2030 or 2050. In September 2018, EO B-55-18 was signed, which commits the state to total carbon neutrality by 2045. However, the specific path to compliance for the state in regards to the long-term goals will likely require development of technology or other changes that are not currently known or available.

The FMP's consistency with the state's Scoping Plan would assist in meeting the Sanitation District's contribution to GHG emission reduction targets in California. With respect to future GHG targets under SB 32 and EO S-3-05, CARB has stated its intent to adopt whatever regulations are necessary, beyond the AB 32 horizon year of 2020, to meet the SB 32 40% reduction target by 2030 and the EO S-3-05 80% reduction target by 2050. CARB's statement demonstrates that future regulations will be adopted to continue the trajectory toward meeting these future GHG targets.

Summary

Based on the considerations outlined above, the FMP would not conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of GHGs, and potential impacts would be less than significant.

4.7.5 Mitigation Measures

The FMP addressed in this PEIR is not anticipated to result in significant impacts pursuant to CEQA related to GHG emissions, so no mitigation measures are warranted.

4.7.6 Level of Significance After Mitigation

No mitigation measures are proposed.

4.7.7 Cumulative Impacts

Global climate change is a cumulative impact; a project participates in this potential impact through its incremental contribution combined with the cumulative increase of all other sources of GHGs. As previously discussed in Section 4.7.1, Existing Conditions, GHG emissions inherently contribute to cumulative impacts, and thus, any additional GHG emissions would result in a cumulative impact. As shown in Tables 4.7-~~8~~7, 4.7-~~9~~8, and 4.7-10~~9~~, the FMP would result in GHG emissions that would not exceed the applied threshold and the FMP would not conflict with applicable GHG reduction plans. Therefore, the FMP would result in a less than cumulatively considerable impact. As such, cumulative impacts are considered less than significant.

4.7.8 Impact Summary

Table 4.7-10 summarizes the impacts for the FMP projects assessed at the project level at Plant 1, Plant 2, joint plant projects, and collection system projects under each threshold analyzed in this PEIR.

It is important to note that GHG emissions are a cumulative impact and the total GHG emissions generated from implementation of the FMP should be considered on the whole instead of at an individual project-level, as evaluated in Section 4.7.4. Accordingly, the overall impact determination for each GHG emissions threshold, as evaluated for the entire project, is applied to all FMP project components in Table 4.1-11~~10~~.

Table 4.7-~~11~~10. Summary of FMP Project Impacts

Project Number	Project Name	Project Type	Level of Significance Prior to Mitigation	Mitigation Measures	Level of Significance After Mitigation
Would the project generate GHG emissions, either directly or indirectly, that may have a significant impact on the environment?					
Plant 1					
P1-126	Primary Clarifiers Replacements and Improvements	Replace	Less than Significant	—	Less than Significant
X-093	Administrative Facilities and Power Building 3A Demolition	Misc. (Demo)	Less than Significant	—	Less than Significant
X-092	Standby Generator Feeders for Plant 1 Secondary Systems	Misc.	Less than Significant	—	Less than Significant
X-048	Activated Sludge (AS)-1 Aeration Basin and Blower Rehabilitation	Rehab	Less than Significant	—	Less than Significant
P1-135	Digester Ferric Piping Replacement	Replace	Less than Significant	—	Less than Significant
X-077	Switchgear Replacement at Central Generation	Replace	Less than Significant	—	Less than Significant
X-090	Network, Telecommunications, and Service Relocation at Plant 1	Misc.	Less than Significant	—	Less than Significant
Plant 2					
P2-126	Substation and Warehouse Replacement at Plant 2	Misc.	Less than Significant	—	Less than Significant
P2-138	Operations and Maintenance Complex at Plant 2	Replace	Less than Significant	—	Less than Significant
X-050	Activated Sludge (AS) Aeration Basin	Rehab	Less than Significant	—	Less than Significant
X-032	Truck Loading Facility Rehabilitation	Rehab	Less than Significant	—	Less than Significant
X-054	Waste Side-Stream Pump Station C Rehabilitation	Rehab	Less than Significant	—	Less than Significant
X-034	Sodium Bisulfite Station Replacement and Bleach Station Demolition	Replace	Less than Significant	—	Less than Significant
Joint Plant Projects					
J-98	Plantwide Miscellaneous Electrical Power Distribution System Improvements	Replace	Less than Significant	—	Less than Significant
J-120	Plantwide Miscellaneous Process Control Systems Upgrades	Replace	Less than Significant	—	Less than Significant
J-133	Laboratory Rehabilitation or Replacement at Plant 1	Rehab	Less than Significant	—	Less than Significant
X-057	Plantwide Miscellaneous Yard Structures Rehabilitation or Replacement	Misc.	Less than Significant	—	Less than Significant
X-058	Plantwide Miscellaneous Yard Piping Replacement	Replace	Less than Significant	—	Less than Significant
X-059	Plantwide Miscellaneous Tunnels Rehabilitation	Rehab	Less than Significant	—	Less than Significant

Table 4.7-~~11~~10. Summary of FMP Project Impacts

Project Number	Project Name	Project Type	Level of Significance Prior to Mitigation	Mitigation Measures	Level of Significance After Mitigation
J-121	UPS System Upgrades	Replace	Less than Significant	—	Less than Significant
X-044	Steve Anderson Lift Station Rehabilitation	Rehab	Less than Significant	—	Less than Significant
Collection System Projects					
5-68	Newport Beach Pump Station Odor Control Improvements	Misc.	Less than Significant	—	Less than Significant
X-076	Santa Ana Trunk Sewer Rehabilitation Phase II	Rehab	Less than Significant	—	Less than Significant
X-082	North Trunk Improvement Project	Replace	Less than Significant	—	Less than Significant
X-060	Newhope Placentia Chemical Dosing Station	Misc.	Less than Significant	—	Less than Significant
11-33	Edinger Pumping Station Replacement	Replace	Less than Significant	—	Less than Significant
X-063	South Santa Ana River Interceptor Connector Rehabilitation	Rehab	Less than Significant	—	Less than Significant
2-73	Yorba Linda Pump Station Abandonment	Misc.	Less than Significant	—	Less than Significant
3-67	Seal Beach Pump Station Replacement	Replace	Less than Significant	—	Less than Significant
2-49	Taft Branch Sewer Improvements	Replace	Less than Significant	—	Less than Significant
X-083	Greenville–Sullivan Sewer Relief Project	Replace	Less than Significant	—	Less than Significant
Would the project conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of GHGs?					
Plant 1					
P1-126	Primary Clarifiers Replacements and Improvements	Replace	Less than Significant	—	Less than Significant
X-093	Administrative Facilities and Power Building 3A Demolition	Misc. (Demo)	Less than Significant	—	Less than Significant
X-092	Standby Generator Feeders for Plant 1 Secondary Systems	Misc.	Less than Significant	—	Less than Significant
X-048	Activated Sludge (AS)-1 Aeration Basin and Blower Rehabilitation	Rehab	Less than Significant	—	Less than Significant
P1-135	Digester Ferric Piping Replacement	Replace	Less than Significant	—	Less than Significant
X-077	Switchgear Replacement at Central Generation	Replace	Less than Significant	—	Less than Significant
X-090	Network, Telecommunications, and Service Relocation at Plant 1	Misc.	Less than Significant	—	Less than Significant

Table 4.7-~~11~~10. Summary of FMP Project Impacts

Project Number	Project Name	Project Type	Level of Significance Prior to Mitigation	Mitigation Measures	Level of Significance After Mitigation
Plant 2					
P2-126	Substation and Warehouse Replacement at Plant 2	Misc.	Less than Significant	—	Less than Significant
P2-138	Operations and Maintenance Complex at Plant 2	Replace	Less than Significant	—	Less than Significant
X-050	Activated Sludge (AS) Aeration Basin	Rehab	Less than Significant	—	Less than Significant
X-032	Truck Loading Facility Rehabilitation	Rehab	Less than Significant	—	Less than Significant
X-054	Waste Side-Stream Pump Station C Rehabilitation	Rehab	Less than Significant	—	Less than Significant
X-034	Sodium Bisulfite Station Replacement and Bleach Station Demolition	Replace	Less than Significant	—	Less than Significant
Joint Plant Projects					
J-98	Plantwide Miscellaneous Electrical Power Distribution System Improvements	Replace	Less than Significant	—	Less than Significant
J-120	Plantwide Miscellaneous Process Control Systems Upgrades	Replace	Less than Significant	—	Less than Significant
J-133	Laboratory Rehabilitation or Replacement at Plant 1	Rehab	Less than Significant	—	Less than Significant
X-057	Plantwide Miscellaneous Yard Structures Rehabilitation or Replacement	Misc.	Less than Significant	—	Less than Significant
X-058	Plantwide Miscellaneous Yard Piping Replacement	Replace	Less than Significant	—	Less than Significant
X-059	Plantwide Miscellaneous Tunnels Rehabilitation	Rehab	Less than Significant	—	Less than Significant
J-121	UPS System Upgrades	Replace	Less than Significant	—	Less than Significant
X-044	Steve Anderson Lift Station Rehabilitation	Rehab	Less than Significant	—	Less than Significant
Collection System Projects					
5-68	Newport Beach Pump Station Odor Control Improvements	Misc.	Less than Significant	—	Less than Significant
X-076	Santa Ana Trunk Sewer Rehabilitation Phase II	Rehab	Less than Significant	—	Less than Significant
X-082	North Trunk Improvement Project	Replace	Less than Significant	—	Less than Significant
X-060	Newhope Placentia Chemical Dosing Station	Misc.	Less than Significant	—	Less than Significant
11-33	Edinger Pumping Station Replacement	Replace	Less than Significant	—	Less than Significant
X-063	South Santa Ana River Interceptor Connector Rehabilitation	Rehab	Less than Significant	—	Less than Significant

Table 4.7-~~11~~10. Summary of FMP Project Impacts

Project Number	Project Name	Project Type	Level of Significance Prior to Mitigation	Mitigation Measures	Level of Significance After Mitigation
2-73	Yorba Linda Pump Station Abandonment	Misc.	Less than Significant	—	Less than Significant
3-67	Seal Beach Pump Station Replacement	Replace	Less than Significant	—	Less than Significant
2-49	Taft Branch Sewer Improvements	Replace	Less than Significant	—	Less than Significant
X-083	Greenville–Sullivan Sewer Relief Project	Replace	Less than Significant	—	Less than Significant

Note: UPS = uninterruptible power system.

4.7.9 References

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TABLES

OCSD Facilities Master Plan, Seal Beach Pump Station, Emergency Diesel Engine-Generator Emissions

Emission Calculation Assumptions:

No. of Units	1	
Engine Rating	1829.0	HP
Load Factor	1.0	
Operating Schedule	1	hr/day
	50	hr/year

Reference:
Horsepower for C2, LCPXL32.0NZS, from "Caterpillar Emergency engines SCAQMD CEP List" (February 5, 2020)

Emission Factors:

Pollutant	Emission Factor g/HP-hr	*Data Source*			
VOC	0.070	*1*			
NOx	3.740	*1*			
CO	0.520	*1*			
SOx	0.005	*2*			
PM_{10}	0.040	*1*			
$PM_{2.5}$	0.040	*1*			
CO_2	521.631	*2*	1.150	*lb/BHP-hr*	*assuming 1 pound = 453.592 grams*
CH_4	0.073	*2*			
N_2O	0.138	*3*			

Reference/Data Source:
1. Emissions calculated using factors derived from "Caterpillar Emergency engines SCAQMD CEP List" (February 5, 2020) for C32, LCPXL32.0NZS.
2. Emissions calculated using factors derived from CalEEMod 2016.3.2 User's Guide, Appendix D, for Diesel Emergency Generators (750 HP - 9,999 HP)
3. Emissions calculated using factors derived from The Climate Registry (2020) default emission factors document ratio of CH_4 to N_2O and the CalEEMod emission factor for CH_4.

Emissions Calculations:

	Units	VOC	NOx	CO	SOx	PM_{10}	$PM_{2.5}$	CO_2	CH_4	N_2O	CO_2E
Emission Factor	g/HP-hr	0.070	3.740	0.520	0.005	0.040	0.040	521.631	0.073	0.138	
Estimated Emissions	Pounds/hour	0.28	15.08	2.10	0.02	0.16	0.16	2,103.31	0.29	0.56	2,276.21
	Pounds/day	0.28	15.08	2.10	0.02	0.16	0.16	2,103.31	0.29	0.56	2,276.21
	Pounds/year	14.11	754.02	104.84	1.00	8.06	8.06	105,165.65	14.74	27.77	113,810.29
	Tons/year	0.01	0.38	0.05	0.00	0.00	0.00	52.58	0.01	0.01	56.91
	Metric tons/year							47.70	0.01	0.01	51.62

Notes:

VOC	volatile organic compound	CO_2	carbon dioxide
NOx	oxides of nitrogen	CH_4	methane
CO	carbon monoxide	N_2O	nitrous oxide
SOx	sulfur oxides	CO_2E	carbon dioxide equivalent
PM_{10}	particulate matter with an aerodynamic diameter equal to or less than 10 microns	HP	horsepower
$PM_{2.5}$	particulate matter with an aerodynamic diameter equal to or less than 2.5 microns	hr	hour
		yr	year

OCSD Facilities Master Plan, Seal Beach Pump Station
Emergency Diesel Engine-Generator Emissions Energy Consumption

Operational Emergency Generator Diesel Demand

Source	CO_2 (MT)	Kg CO_2/Gallon	Gallons
Emergency Generator Testing	47.70	10.21	4,672.12

Reference/Data Source:

Kg CO_2 per gallon based on The Climate Registry (2020) default emission factors document

https://www.theclimateregistry.org/wp-content/uploads/2020/04/The-Climate-Registry-2020-Default-Emission-Factor-Document.pdf

Health Risk Assessment Report for the Orange County Sanitation District Facilities Master Plan Orange County, California

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DECEMBER 2020

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Acronyms and Abbreviations

Acronym/Abbreviation	Definition
AERMOD	American Meteorological Society/Environmental Protection Agency Regulatory Model
ASF	age-sensitivity factor
CalEEMod	California Emissions Estimator Model
CARB	California Air Resources Board
CEQA	California Environmental Quality Act
DPM	diesel particulate matter
EPA	U.S. Environmental Protection Agency
FAH	fraction of time at home
g/s	grams per second
HARP2	Hotspots Analysis and Reporting Program Version 2
hp	horsepower
HRA	Health Risk Assessment
m E	meters easting
m N	meters northing
MEIR	maximally exposed individual resident
MM	Mitigation Measure
NED	National Elevation Dataset
OEHHA	Office of Environmental Health Hazard Assessment
$PM_{2.5}$	particulate matter with an aerodynamic diameter less than or equal to 2.5 microns
PM_{10}	particulate matter with an aerodynamic diameter less than or equal to 10 microns
project	Orange County Sanitation District Facilities Master Plan
REL	reference exposure level
SCAQMD	South Coast Air Quality Management District
TAC	toxic air contaminant
$\mu g/m^3$	microgram per cubic meter
UTM	Universal Transverse Mercator
VMT	vehicle miles traveled

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Summary

The purpose of this Health Risk Assessment (HRA) is to determine the potential cancer risk and noncancer health impacts to existing sensitive receptors in proximity to the location of the projects included within the Orange County Sanitation District Facilities Master Plan (project) due to toxic air contaminant (TAC) emissions resulting from construction of the project.

Air dispersion modeling was conducted using the American Meteorological Society/Environmental Protection Agency Regulatory Model (AERMOD) Version 19191 and the Hotspots Analysis and Reporting Program Version 2 (HARP2) Version 19121. The South Coast Air Quality Management District's (SCAQMD's) Modeling Guidance for AERMOD, Risk Assessment Procedures for Rules 1401, 1401.1, and 212 (SCAQMD 2017), and the Office of Environmental Health Hazard Assessment's (OEHHA's) Air Toxics Hot Spots Program Risk Assessment Guidelines Guidance Manual for Preparation of Health Risk Assessments 2015 (OEHHA 2015) were used to prepare this HRA. The construction TAC-emitting activities include diesel off-road equipment and diesel haul trucks. For evaluating health risk, the HRA was based on the assumption that exposure from construction TAC emissions would occur up to 8 hours per day and 5 days per week. The maximum annual emissions during construction of the project was applied to the entire 20-year duration. This is consistent with OEHHA's guidance for performing HRAs.[1] For operation, the HRA evaluated maintenance and testing emissions from the emergency generator at the Seal Beach Pump Station. The exposure duration was assumed to be 30 years.

This HRA finds that the incremental cancer risk at the maximally exposed individual resident of 46.2 in 1 million (assuming exposure starts in third trimester of pregnancy for a duration of 20 years) from project construction would exceed the SCAQMD threshold of 10 in 1 million without mitigation. With incorporation of higher-tier engines during construction, as included in MM-AQ-1, the project would result in an incremental cancer risk of 7.3 in 1 million at the maximally exposed individual resident (MEIR). The unmitigated and mitigated chronic hazard index would be 0.01 and 0.002 at the MEIR, respectively, which would be below the SCAQMD threshold of 1.0. The incremental cancer risk at the MEIR of 0.07 in 1 million and chronic hazard index of 0.00002 would not exceed the SCAQMD significance thresholds from project operation. Project health risk impacts associated with construction and operation would be less than significant with mitigation.

[1] OEHHA describes cancer risk evaluations for 9-, 30-, and 70-year exposure durations in the 2015 OEHHA Guidelines, and identifies that the 9- and 30-year durations correspond to the average and high-end of residency time recommended by the EPA, with the 30-year exposure duration recommended for use as the basis for estimating cancer risk at the maximally exposed individual resident in all HRAs (OEHHA 2015).

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1 Introduction

1.1 Purpose

In support of the air quality technical report preparation for the Orange County Sanitation District (Sanitation District) Facilities Master Plan (project), the Health Risk Assessment (HRA) modeling analysis was prepared to estimate health risk impacts to proximate existing sensitive receptors from exposure to toxic air contaminant (TAC) emissions from construction and operational activities at the project site. The analysis in this HRA uses air dispersion modeling and Hotspots Analysis and Reporting Program Version 2 (HARP2) to evaluate potential health risks associated with the project. Results of the modeling analysis are compared with the most recent California Environmental Quality Act (CEQA) significance thresholds established by the South Coast Air Quality Management District (SCAQMD). Per CEQA Guidelines, Appendix G (14 CCR 15000 et seq.), the HRA directly addresses the criterion: Would the project expose sensitive receptors to substantial pollutant concentrations?

1.2 Project Description

As discussed in Section 2.2, Program Background, the 2017 Facilities Master Plan (FMP) (Sanitation District 2017) and 2019 update present a series of approximately 83 Capital Improvement Program projects proposed to be implemented by the Sanitation District through 2040 to rehabilitate, replace, and optimize their existing facilities in continued service to residents and businesses within their service area. The content in this PEIR project description is based on review of the 2017 FMP and additional information and clarification provided in communication with Sanitation District representatives (Hadden, pers. comm. 2019; Nazaroff, pers. comm. 2019). Some projects were cancelled, and others were already included in other CEQA documents. FMP projects addressed in this PEIR would be implemented in the following areas of the Sanitation District system:

1. Facility improvements at Plant 1 in Fountain Valley (17 projects)
2. Facility improvements at Plant 2 in Huntington Beach (18 projects)
3. Joint plant improvements at Plant 1 and Plant 2 (8 projects)
4. Collection system improvements (i.e., pipeline, pump station, interplant, and lift station projects) (40 projects)

Projects are also identified in these sections as falling into one of the following three categories, indicating the type of work being performed relative to existing Sanitation District infrastructure:

- **Replacement projects** are those for which the primary purpose is to replace an existing facility, meaning all existing components and infrastructure in the subject facility would be replaced with new components and infrastructure. Examples of this would be trench-based replacement of an existing pipeline segment, replacement of an existing pump station, or replacement of an existing facility at one of the plants.
- **Rehabilitation projects** are those for which the primary purpose is to improve existing facilities without complete replacement. Examples of this would include extending the service life of an existing pipeline by the cured-in-place pipe (CIPP) method, which entails installing material to line the interior of the pipe without the need for trench-based replacement, or refurbishing aging equipment at a pump station or treatment plant.
- **Miscellaneous projects** are other projects that are not easily defined as replacement or rehabilitation projects. Examples include installation of new infrastructure at existing facilities, abandonment of existing facilities, electrical upgrades, and projects that combine different categories of work.

Because the projects addressed in this FMP are dispersed across the wide range of the Sanitation District's service area, the Sanitation District staff acknowledges that representatives of the agency's constituent jurisdictions and members of the public alike may be interested to focus on projects within a particular area.

1.3 Toxic Air Contaminants

A substance is considered toxic if it has the potential to cause adverse health effects in humans, including increasing the risk of cancer upon exposure, or acute (short-term) and/or chronic (long-term) noncancer health effects. A toxic substance released into the air is considered a TAC. Examples include certain aromatic and chlorinated hydrocarbons, diesel particulate matter (DPM), certain metals, and asbestos. TACs are generated by a number of sources, including stationary sources such as dry cleaners, gas stations, combustion sources, and laboratories; mobile sources, such as automobiles; and area sources, such as landfills. Adverse health effects associated with exposure to TACs may include carcinogenic (i.e., cancer-causing) and noncarcinogenic effects. Noncarcinogenic effects typically affect one or more target organ systems, and may be experienced through either acute or chronic exposure to a given TAC.

California's air toxics control program began in 1983 with the passage of Assembly Bill 1807, the Toxic Air Contaminant Identification and Control Act, better known as the Tanner Bill. The Tanner Bill established a regulatory process for the scientific and public review of individual toxic compounds. When a compound becomes listed as a TAC under the Tanner Bill, the California Air Resources Board (CARB) normally establishes minimum statewide emission-control measures to be adopted by air quality management districts and air pollution control districts. By 1992, 18 of the 187 federal hazardous air pollutants had been listed by CARB as state TACs. In April 1993, CARB added 171 substances to the state program to make the state TAC list equal to the federal list of hazardous air pollutants. In 1998, CARB designated DPM as a TAC (CARB 1998). Exhaust from diesel engines is a complex mixture of gases, vapors, and particles, many of which are known human carcinogens.

The second major component of California's air toxics program, supplementing the Tanner Bill, was provided by the passage of Assembly Bill 2588, the Air Toxics "Hot Spots" Information and Assessment Act of 1987. Assembly Bill 2588 currently regulates more than 600 compounds, including all of the Tanner Bill–designated TACs.

1.4 Cancer Risk

Cancer risk is defined as the increase in lifetime probability (chance) of an individual developing cancer due to exposure to a carcinogenic compound, typically expressed as the increased probability in 1 million. The cancer risk from inhalation of a TAC is estimated by calculating the inhalation (and if applicable, ingestion and dermal) dose in units of milligrams per kilogram body weight per day based on an ambient concentration in units of micrograms per cubic meter ($\mu g/m^3$), breathing rate, and exposure period and multiplying the dose by the inhalation cancer potency factor, expressed as $(\text{milligrams/kilogram body weight per day})^{-1}$. Cancer risks are typically calculated for all carcinogenic TACs and summed to calculate the overall increase in cancer risk to an individual. The calculation procedure assumes that cancer risk is proportional to concentrations at any level of exposure, and that risks due to different carcinogens are additive. This approach is generally considered a conservative assumption at low doses, and is consistent with the current Office of Environmental Health Hazard Assessment's (OEHHA's) regulatory approach. Exposure to carcinogenic TACs does not imply that the exposed individual will contract cancer; rather, the cancer risk is a probability of developing cancer if other factors (e.g., heredity, exposure to environmental or workplace risks that compromise the immune system, overall health) would result in an increased susceptibility to developing cancer.

The cancer risk calculations were performed by multiplying the predicted dispersion modeled output data by the TAC emissions and the appropriate risk values. The exposure and risk equations that were used to calculate the cancer risk at receptors from project construction are integrated in HARP2, in accordance with the Air Toxics Hot Spots Program Risk Assessment Guidelines Guidance Manual for Preparation of Health Risk Assessments 2015 (2015 Risk Assessment Guidelines Manual) (OEHHA 2015).

1.5 Acute and Chronic Noncancer Health Impacts

The noncancer health impact of an inhaled TAC is measured by the hazard quotient, which is the ratio of the ambient concentration of a TAC in units of µg/m^3 divided by the reference exposure level (REL), also in units of µg/m^3. The REL is the concentration at or below which no adverse health effects are anticipated. The REL is typically based on health effects on a particular target organ system, such as the respiratory system, liver, or central nervous system. Hazard quotients of individual TACs are then summed for each target organ system to obtain a hazard index.

U.S. EPA has used a general definition of 'adverse effect' as any effect resulting in functional impairment and/or pathological lesions that may affect the performance of the whole organism, or that reduce an organism's ability to respond to an additional challenge (OEHHA 2008). Within the health-disease spectrum, health effects could range from mild symptoms of ill health to exacerbations of terminal illnesses of diverse kinds; an inordinate depletion of cell, tissue, and organ reserves; subclinical disease; and mortality. Reserve loss involves both reversible and irreversible alterations of the cell population and includes metabolic abnormalities and alterations of the intercellular milieu. Therefore, the earliest adverse effect is an altered ecology at the cellular level. Irreversible abnormalities that appear relatively minor may have a serious impact on health by increasing susceptibility to disease in general, or by exacerbating other disease processes (OEHHA 2008). The nature of the target organs or systems involved in a given toxicological response is important since this is considered for hazard index (HI) calculations. Consideration of the cumulative impact of exposure to multiple chemicals is one of the requirements of SB25, and a key objective for environmental justice considerations. The target organs or systems are described by general categories that may include varied effects: categories and effects currently used in existing acute and chronic RELs.

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2 Guidance and Thresholds

2.1 Office of Environmental Health Hazard Assessment's Guidance

OEHHA's most recent guidance is the 2015 Risk Assessment Guidelines Manual (OEHHA 2015), which supersedes the 2003 OEHHA HRA guidance manual, and was used to calculate the health risk impacts from project construction. The Children's Environmental Health Protection Act of 1999 (Senate Bill 25), which requires explicit consideration of infants and children in assessing risks from air toxics, requires revisions of the methods for both noncancer and cancer risk assessment and of the exposure assumptions in the 2003 HRA guidance manual (OEHHA 2003). In response to Senate Bill 25, OEHHA released three technical support documents addressing RELs (OEHHA 2008), cancer potency (OEHHA 2009), and exposure assessment and stochastic analysis (OEHHA 2012), and adopted the 2015 Risk Assessment Guidelines Manual (OEHHA 2015). The technical support document for RELs and continuing work to re-evaluate TACs to ensure adequate protection for infants and children has led to revisions of RELs for approximately 10 chemicals and chemical families. The basic methodology for evaluating acute and chronic health effects using the RELs otherwise remained the same as in the previous guidance manual. Moreover, RELs are designed to protect the most sensitive individuals in the population, including infants and children, by selecting appropriate toxicological data and including margins of safety. Accordingly, the evaluation methods are assumed to protect children and other sensitive subpopulations (groups of more highly susceptible individuals) from adverse health effects in the event of exposure (OEHHA 2008).

The cancer risk methodology described in the exposure assessment and stochastic analysis technical support document and the 2015 Risk Assessment Guidelines Manual accounts for the higher sensitivity of infants and children by applying age-specific daily breathing rates and age-sensitivity factors (ASFs). According to the technical support document, "accounting for effects of early-in life exposure requires accounting for both the increased potency of early in life exposure to carcinogens and the greater exposure on a per [kilogram] body weight that occurs early in life due to behavioral and physiological differences between infants and children, and adults" (OEHHA 2012). In the absence of chemical-specific data, OEHHA recommends a default ASF of 10 for the third trimester to age 2 years, and an ASF of 3 for ages 2 through 15 years to account for potential increased sensitivity to carcinogens during childhood (OEHHA 2015). The ASF for adults is 1. In addition to the ASFs, children have higher daily breathing rates per unit of body weight than adults. The OEHHA guidance manual considers the age-specific breathing rates in the cancer risk calculations.

In addition, OEHHA and CARB evaluated information from activity patterns databases to estimate the fraction of time at home (FAH) during the day. From the third trimester to age <2 years, 85% of time is spent at home. From age 2 through <16 years, 72% of time is spent at home. From age 16 years and greater, 73% of time is spent at home. However, for facilities with any school within the 1 in 1 million or greater isopleth, the OEHHA recommends using an FAH of 100% for children under 16 years old (OEHHA 2015). As a conservative assumption, the FAH for children under 16 years old was assumed to be 100% in this analysis. Cancer risk parameters, such as ASFs, daily breathing rates, exposure period, FAH, and cancer potency factors were based on the values and data recommended by OEHHA as implemented in HARP2. Accordingly, this HRA evaluates and reflects conservative, health-protective methodologies to assess health impacts to adults, as well as infants, children, and other sensitive subpopulations.

2.2 South Coast Air Quality Management District Guidance

The SCAQMD's Air Quality Significance Thresholds (SCAQMD 2019) provides cancer and noncancer thresholds to assess health risk significance. The SCAQMD provides guidance for performing health risk assessments within the *South Coast AQMD Modeling Guidance for AERMOD* (SCAQMD 2020) and the *Risk Assessment Procedures for Rules 1401, 1401.1, and 212* (SCAQMD 2017). The SCAQMD's current health risk thresholds are presented in Table 1.

Table 1. SCAQMD Thresholds of Significance

Factor	Threshold
Cancer	Increased cancer risk of ≥ 10.0 in 1 million
Cancer Burden	0.5 excess cancer cases (in areas ≥ 1 in 1 million)
Non-Cancer	Increased noncancer risk of ≥ 1.0 Hazard Index (Chronic or Acute)

Source: SCAQMD 2019.

3 Receptors Used for Evaluating Modeled Impacts

Some land uses are considered more sensitive to changes in air quality than others, depending on the population groups and the activities involved. People most likely to be affected by air pollution include children, the elderly, athletes, and people with cardiovascular and chronic respiratory diseases. Facilities and structures where these air pollution-sensitive people live or spend considerable amounts of time are known as sensitive receptors. Land uses where air pollution-sensitive individuals are most likely to spend time include schools and schoolyards, parks and playgrounds, daycare centers, nursing homes, hospitals, and residential communities (sensitive sites or sensitive land uses) (CARB 2005). The SCAQMD identifies sensitive receptors as residences, schools, playgrounds, childcare centers, long-term healthcare facilities, rehabilitation centers, convalescent centers, and retirement homes (SCAQMD 1993). Residential land uses are located adjacent to the eastern boundary of both Plants 1 and 2, approximately 140 feet away. Residential land uses are located approximately 820 feet west of the Seal Beach Pump Station.

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4 Modeling Methodology

4.1 Dispersion Model

Air dispersion models calculate the atmospheric transport and fate of pollutants from the emission source. The models calculate the concentration of selected pollutants at specific downwind ground-level points, such as residential or school receptors. The transformation (fate) of an airborne pollutant, its movement with the prevailing winds (transport), its crosswind and vertical movement due to atmospheric turbulence (dispersion), and its removal due to dry and wet deposition are influenced by the pollutant's physical and chemical properties, and by meteorological and environmental conditions. Factors such as distance from the source to the receptor, meteorological conditions, intervening land use and terrain, pollutant release characteristics, and background pollutant concentrations affect the predicted air concentration of an air pollutant. Air dispersion models have the capability to take all of these factors into consideration when calculating downwind ground-level pollutant concentrations.

A dispersion modeling analysis was conducted for DPM emitted from diesel vehicles and off-road equipment on the proposed project site for the HRA to assess the health risk impacts of the project's construction on proximate off-site sensitive receptors. The dispersion modeling was performed using American Meteorological Society/Environmental Protection Agency Regulatory Model (AERMOD) Version 19191, which is the model the U.S. Environmental Protection Agency (EPA) approved and SCAQMD recommends for atmospheric dispersion of emissions. AERMOD is a steady-state Gaussian plume model that incorporates air dispersion based on planetary boundary layer turbulence structure and scaling concepts, including treatment of surface and elevated sources, building downwash, and simple and complex terrain. Principal parameters of AERMOD for the project construction included the following:

Construction

- **Dispersion Model:** The air dispersion model used was AERMOD, Version 19191, with the Lakes Environmental Software implementation/user interface, AERMOD View, Version 9.9.0. A unit emission rate (1 gram per second [g/s]) was normalized over each unique source of emissions for the AERMOD run to obtain the "X/Q" values. X/Q is a dispersion factor that is the average effluent concentration normalized by source strength, and is used as a way to simplify the representation of emissions from many sources. The maximum concentrations were determined for the 1-hour and period-averaging periods. Table 2 provides detailed source parameters for modeling emissions with AERMOD. Source parameters were based on information provided by Orange County Sanitation District and modeling guidance from SCAQMD and Sacramento Metropolitan Air Quality Management (SCAQMD 2020; SMAQMD 2013).

Table 2. Emission Source Parameters - Construction

Source ID	Source Name	Source Type	Source Parameters
SLINE1	Plant 1 Construction	Line Volume	Plume Height: 25.00 m Plume Width: 25.00 m Release Height: 5.00 m Emission Rate[1]: 0.007 g/s Number of Volume Sources: 144 Variable Emissions Scenario: 8 hours per day, 5 days per week

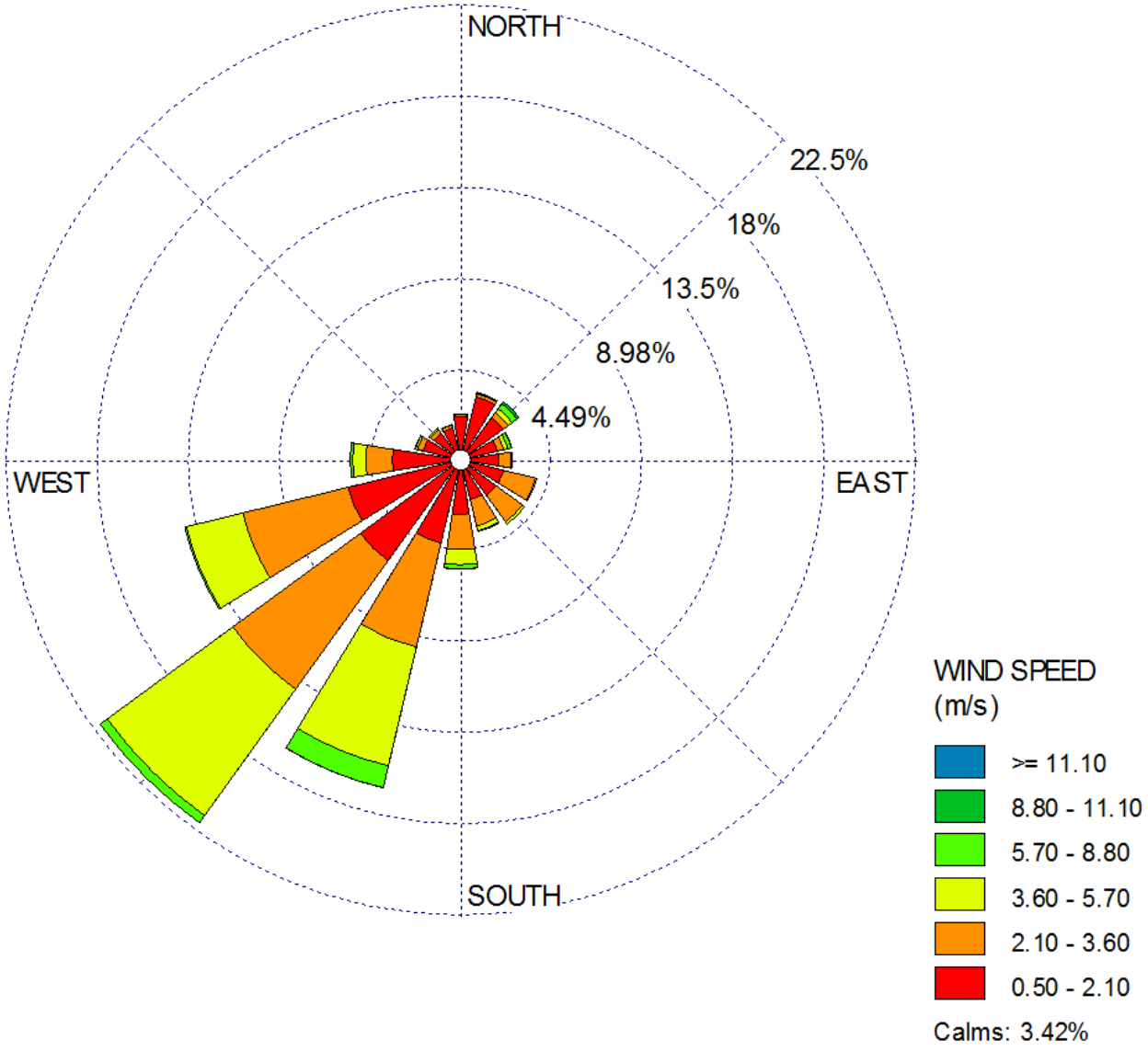
Table 2. Emission Source Parameters - Construction

SLINE2	Plant 2 Construction	Line Volume	Plume Height: 25.00 m Plume Width: 25.00 m Release Height: 5.00 m Emission Rate[1]: 0.01 g/s Number of Volume Sources: 89 Variable Emissions Scenario: 8 hours per day, 5 days per week

Source: SCAQMD 2020; SMAQMD 2013.
Notes: g/s = grams per second; m = meters.
[1] An emission rate of 1 g/s was divided equally between the number of volume sources within the construction sources modeled.

- **Meteorological Data:** The John Wayne Airport meteorological station was selected since it is the closest station and is the most representative of the project sites. The latest 5-year meteorological data (2012–2016) for the John Wayne Airport were downloaded from SCAQMD, and then input to AERMOD. A wind rose is provided for this station in Figure 1.
- **Urban and Rural Options:** Typically, urban areas have more surface roughness and structures and low-albedo surfaces that absorb more sunlight, and thus, more heat, relative to rural areas. The urban dispersion option was selected based on the predominant development within 2 kilometers of the project site. The population for Orange County was used for the urban group.
- **Terrain Characteristics:** Digital elevation model files were imported into AERMOD so that complex terrain features were evaluated as appropriate. The National Elevation Dataset (NED) dataset with resolution of 1/3 arc-second was used.
- **Sensitive Receptors:** This HRA evaluates the risk to existing sensitive (including residential) receptors located in proximity to the project site. A uniform Cartesian grid of 10,095 by 10,078 meters was centered over the project site to capture the maximum point of impact and extent of the plume isopleth. A finer Cartesian grid of 20 meter spacing was placed over residential receptors proximate to the project site.
- **Source Release Scenario:** Emissions during construction were assumed to operate up to 8 hours per day, 260 days per year.

Figure 1. Wind Rose of Meteorological Data – John Wayne Airport



Operation

- **Dispersion Model:** The air dispersion model used was AERMOD, Version 19191, with the Lakes Environmental Software implementation/user interface, AERMOD View, Version 9.9.0. A unit emission rate (1 gram per second [g/s]) was normalized over each unique source of emissions for the AERMOD run to obtain the "X/Q" values. X/Q is a dispersion factor that is the average effluent concentration normalized by source strength, and is used as a way to simplify the representation of emissions from many sources. The maximum concentrations were determined for the 1-hour and period-averaging periods. Table 3 provides detailed source parameters for modeling emissions with AERMOD. Source parameters were based on information provided by Orange County Sanitation District and modeling guidance from SCAQMD and Sacramento Metropolitan Air Quality Management (SCAQMD 2020; SMAQMD 2013).

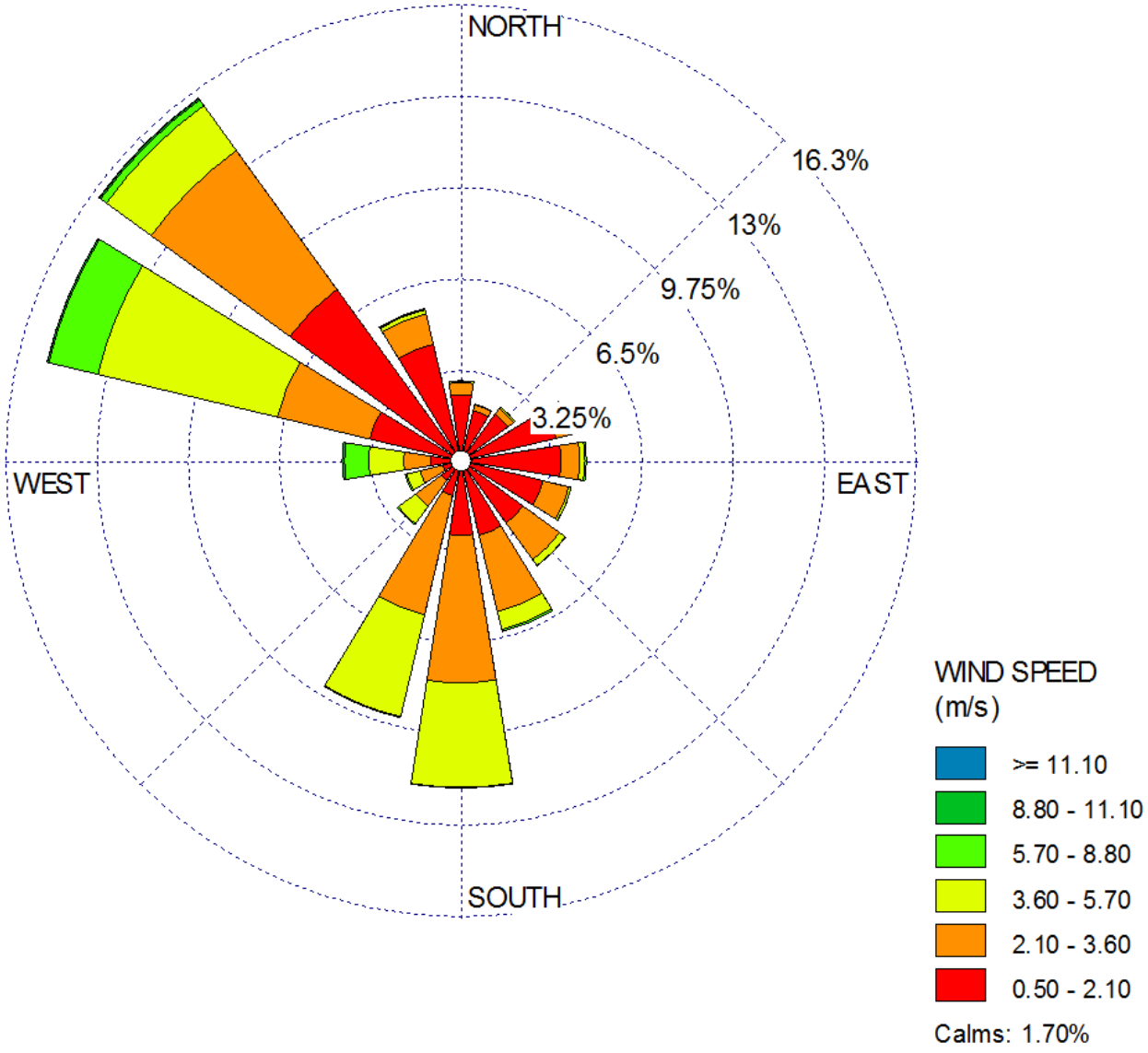
Table 3. Emission Source Parameters - Operation

Source ID	Source Name	Source Type	Source Parameters
STCK1	Seal Point Pump Station Emergency Generator	Point	Release Height: 2.195 m Emission Rate: 1 g/s Gas Exit Temperature: 703.483 K Stack Inside Diameter: 0.406 m Gas Exit Velocity: 36.404 m/s Gas Exit Flow Rate: 4.7222 m^3/s

Source: Caterpillar 2019.
Notes: g/s = grams per second; K = degrees Kelvin; m = meters; m^3/s = cubic meters per second.
[1] An emission rate of 1 g/s was divided equally between the number of volume sources within the construction sources modeled.

- **Meteorological Data:** The Long Beach Airport meteorological station was selected since it is the closest station and is the most representative of the project sites. The latest 5-year meteorological data (2012–2016) for the John Wayne Airport were downloaded from SCAQMD, and then input to AERMOD. A wind rose is provided for this station in Figure 2.
- **Urban and Rural Options:** Typically, urban areas have more surface roughness and structures and low-albedo surfaces that absorb more sunlight, and thus, more heat, relative to rural areas. The urban dispersion option was selected based on the predominant development within 2 kilometers of the project site. The population for Orange County was used for the urban group.
- **Terrain Characteristics:** Digital elevation model files were imported into AERMOD so that complex terrain features were evaluated as appropriate. The National Elevation Dataset (NED) dataset with resolution of 1/3 arc-second was used.
- **Sensitive Receptors:** This HRA evaluates the risk to existing sensitive (including residential) receptors located in proximity to the project site. A uniform Cartesian grid of 3,865 by 3,516 meters was centered over the project site to capture the maximum point of impact and extent of the plume isopleth. A finer Cartesian grid of 20 meter spacing was placed over residential receptors proximate to the project site.
- **Source Release Scenario:** Emissions during operation were assumed to operate up to 1 hour per day, 50 hours per year. No variable emissions scenario was used. The 50 hours per year assumption is conservative because based on existing practice; the pump station emergency generators are typically tested for approximately 6 hours per year reflecting a maximum of 1/2 hour per day of testing and testing occurring once a month.

Figure 2. Wind Rose of Meteorological Data – Long Beach Airport



4.2 Emission Calculations

Construction scenario assumptions, including phasing, equipment mix, and vehicle trips, were based on information provided by the Sanitation District. The construction emissions were based off of the assumptions as found within Section 4.2, Air Quality, of the Programmatic Environmental Impact Report for the project. In order to estimate emissions from on-site diesel vehicles, the trip length was modified to 1,000 feet for vendor and haul trucks. Worker vehicles were assumed to be gasoline and thus were not included. Table ~~3~~ 4 shows the estimated DPM emissions per year during construction at Plants 1 and 2.

Table ~~3~~4. Project Annual On-Site Construction Emissions

Year	Plant 1	Plant 2
	DPM Tons per year	
Unmitigated Construction		
2021	0.037	0.250
2022	0.038	0.243
2023	0.061	0.474
2024	0.138	0.405
2025	0.219	0.228
2026	0.200	0.130
2027	0.207	0.171
2028	0.151	0.092
2029	0.121	0.068
2030	0.039	0.021
2031	0.032	0.027
2032	0.045	0.045
2033	0.028	0.002
2034	0.033	0.000
2035	0.021	0.000
2036	0.020	0.017
2037	0.011	0.028
2038	0.009	0.028
2039	0.003	0.020
2040	0.000	0.013
Mitigated Construction[1]		
2021	0.002	0.026
2022	0.002	0.024
2023	0.005	0.074
2024	0.012	0.065
2025	0.065	0.053
2026	0.075	0.061
2027	0.070	0.064
2028	0.067	0.053
2029	0.061	0.051
2030	0.029	0.021
2031	0.020	0.016
2032	0.015	0.015

Table ~~3~~4. Project Annual On-Site Construction Emissions

Year	Plant 1	Plant 2
	DPM Tons per year	
2033	0.024	0.001
2034	0.022	0.000
2035	0.016	0.000
2036	0.012	0.007
2037	0.004	0.014
2038	0.006	0.016
2039	0.002	0.011
2040	0.000	0.008

Notes: DPM = diesel particulate matter.
[1] Mitigated emissions include implementation of Mitigation Measure AQ-1.

As shown in Section 5, Health Risk Results, the results of the HRA using the unmitigated emissions would result in a potentially significant impact. As such, the following mitigation measure (MM) is included to reduce DPM emissions from construction equipment:

MM-AQ-1 Prior to the commencement of construction activities for each project, the Orange County Sanitation District (Sanitation District) shall require its construction contractor to demonstrate that all 50-horsepower or greater diesel-powered equipment is powered with California Air Resources Board (CARB)-certified Tier 4 Final engines.

An exemption from this requirement may be granted if (a) the Sanitation District documents equipment with Tier 4 Final engines are not reasonably available, and (b) the required corresponding reductions in criteria air pollutant emissions can be achieved for the project from other combinations of construction equipment. Before an exemption may be granted, the Sanitation District's construction contractor shall: (1) demonstrate that at least two construction fleet owners/operators in Orange County were contacted and that those owners/operators confirmed Tier 4 Final equipment could not be located within Orange County during the desired construction schedule; and (2) the proposed replacement equipment has been evaluated using California Emissions Estimator Model (CalEEMod) or other industry standard emission estimation method and documentation provided to the Sanitation District to confirm that project-generated emissions do not exceed applicable South Coast Air Quality Management District (SCAQMD) mass daily thresholds, the applicable SCAQMD localized significance thresholds, or the SCAQMD carcinogenic (cancer) risk threshold.

The operational emissions of the project were estimated using the exhaust PM emission rate from the manufacturers data sheet (Caterpillar 2017). The generator is a certified EPA Tier 2 rated at 1,829 horsepower. The generator was assumed to operate up to 50 hours per year for maintenance and testing in accordance with CARB's Airborne Toxic Control Measure for Stationary Compression Ignition Engines (17 CCR Section 93115). The emergency generator was estimated to emit up to 8.06 pounds of DPM per year. As DPM does not have an acute REL, daily or hourly emissions are not applicable.

4.3 Health Risk Assessment Methodology

In March 2015, the OEHHA approved the 2015 Risk Assessment Guidelines Manual (OEHHA 2015). The construction HRA was prepared following the 2015 Risk Assessment Guidelines Manual. Cancer and noncancer health risk calculations were performed for the project using ground-level unity emission concentration (X/Q) input from AERMOD. This modeling established the emissions dispersion field to the existing sensitive receptors from atmospheric influence of the stationary source emissions. Plot files generated in AERMOD were then imported into HARP2, with ground level concentrations determined by multiplication of emission rates and X/Q values for each source of emissions. HARP2 then assessed resulting cancer and noncancer risk at the existing receptors from exposure to TAC emissions using the OEHHA derived calculation method.

The risk assessment was performed in accordance with the SCAQMD Risk Assessment Procedures for Rules 1401, 1401.1, and 212 (SCAQMD 2017). The highest year emissions were applied to the entire exposure duration. For Plant 1, this analysis assumed year 2025 for the unmitigated and 2026 for the mitigated analysis and for Plant 2, year 2023 was assumed for the unmitigated and mitigated scenarios. This is an overly conservative scenario as actual modeled emissions over the entire construction period were much lower. Furthermore, the HRA began risk evaluation exposure within the third trimester of pregnancy for a 20 year duration, consistent with the 2015 OEHHA Guidelines.[2] For the operational HRA, the exposure duration began in the third trimester of pregnancy for a 30-year duration. The following risk assessment options were applied to the HRA in accordance with the SCAQMD 2017 guidance:

- Deposition velocity of 0.02 meters per second.
- A 'warm' climate was selected for dermal exposure.
- The RMP (Derived) Method was selected for residential cancer risk.
- Pathways for residential risk include inhalation, soil ingestion, dermal absorption, homegrown produce, and mother's milk.

[2] OEHHA describes cancer risk evaluations for 9-, 30-, and 70-year exposure durations in the 2015 OEHHA Guidelines, and identifies that the 9- and 30-year durations correspond to the average and high-end of residency time recommended by the EPA, with the 30-year exposure duration recommended for use as the basis for estimating cancer risk at the maximally exposed individual resident in all HRAs (OEHHA 2015).

5 Health Risk Results

The cancer risk calculations for construction and operation were performed by multiplying the AERMOD-predicted TAC concentrations in µg/m^3 per unit grams per second due to TAC emissions from ~~trucks and off-road equipment~~each source by the appropriate risk values. The potential exposure pathways for the TAC emissions evaluated in this HRA were based on the 2015 OEHHA guidance incorporated in HARP2.

The maximally exposed receptor would be the nearest existing residence to the west of the Plant 2 Site during construction. The maximally exposed receptor would be the residence north of the Seal Beach Pump Station during operation. Potential health risk at the maximally exposed individual resident (MEIR) resulting from construction activities are shown in Table 45.

Table 45. Project ~~Construction~~ Health Risk

Receptor	Cancer Risk (persons per million)	Chronic Impact
Unmitigated Construction		
Maximally Exposed Individual Resident[1]	46.2	0.01
SCAQMD Significance Criteria	10	1.0
Exceed Threshold?	**Yes**	**No**
Mitigated Construction[2]		
Maximally Exposed Individual Resident[1]	7.3	0.002
SCAQMD Significance Criteria	10	1.0
Exceed Threshold?	**No**	**No**
Operation		
Maximally Exposed Individual Resident[3]	0.07	0.00002
SCAQMD Significance Criteria	10	1.0
Exceed Threshold?	**No**	**No**

Source: Appendix A

Notes: SCAQMD = South Coast Air Quality Management District; TAC = toxic air contaminant; AERMOD = American Meteorological Society/Environmental Protection Agency Regulatory Model; HARP2 = Hotspots Analysis and Reporting Program Version 2.

TAC exposure at receptors modeled with AERMOD, which were then input into HARP2 to generate health risk estimates. Exposure during construction was assumed to begin in the third trimester of pregnancy for a duration of 20 years. Exposure during operation was assumed to begin in the third trimester of pregnancy for a duration of 30 years.

1 The maximally exposed individual resident for annual cancer and chronic health risk impacts is located north of the project site at UTM coordinates 411227.04 meter Easting / 3723000.34 meters Northing

2 Mitigated emissions include implementation of mitigation measure -AQ-1.

3 The maximally exposed individual resident for annual cancer and chronic health risk impacts is located north of the project site at UTM coordinates 400163.06 meter Easting / 3736411.95 meters Northing.

As shown in Table 45, the incremental cancer risk at the MEIR of 46.2 in 1 million (assuming exposure starts in third trimester of pregnancy for a duration of 20 years) from project construction would exceed the SCAQMD threshold of 10 in 1 million without mitigation. With incorporation of higher-tier engines during construction, as included in MM-AQ-1, the project would result in an incremental cancer risk of 7.3 in 1 million. The unmitigated and mitigated chronic hazard index would be 0.01 and 0.002 at the MEIR, respectively, which would be below the SCAQMD threshold of 1.0. The incremental cancer risk at the MEIR of 0.07 in 1 million and chronic hazard index of 0.00002 would not exceed the SCAQMD significance thresholds from project operation. The p~~P~~roject health risk impacts associated with construction and operation would, thus, be less than significant with mitigation.

The majority of DPM is small enough to be inhaled into the lungs. Most inhaled particles are subsequently exhaled, but some deposit on the lung surface. Although particles the size of DPM can deposit throughout the lung, the largest fraction deposits in the deepest regions of the lungs where the lung is most susceptible to injury.

In 1998, CARB identified DPM as a toxic air contaminant based on published evidence of a relationship between diesel exhaust exposure and lung cancer and other adverse health effects (CARB 2020). In 2012, additional studies on the cancer-causing potential of diesel exhaust published since CARB's determination led the International Agency for Research on Cancer (IARC, a division of the World Health Organization) to list diesel engine exhaust as "carcinogenic to humans". This determination is based primarily on evidence from occupational studies that show a link between exposure to DPM and lung cancer induction, as well as death from lung cancer. Download the IARC report (external site).

Because it is part of $PM_{2.5}$, DPM also contributes to the same non-cancer health effects as $PM_{2.5}$ exposure. These effects include premature death, hospitalizations and emergency department visits for exacerbated chronic heart and lung disease, including asthma, increased respiratory symptoms, and decreased lung function in children (CARB 2020). Several studies suggest that exposure to DPM may also facilitate development of new allergies. Those most vulnerable to non-cancer health effects are children whose lungs are still developing and the elderly who often have chronic health problems.

6 Conclusions

The results determined in this analysis reflect reasonable estimates of source emissions and exhaust characteristics, available meteorological data near the project site, and the use of currently approved air quality models. Given the limits of available tools for such an analysis, the actual impacts may vary from the estimates in this assessment. However, the combined use of the AERMOD dispersion model and the health impact calculations required by OEHHA and SCAQMD tend to overpredict impacts, such that they produce conservative (i.e., health-protective) results. For this reason, the estimated cancer risks and noncancer hazard indices reported in this analysis are likely upper-bound estimates for potential exposure to project-related emissions. In addition, the estimated cancer risks and noncancer hazard indices represent the maximum exposed individual (resident) and do not represent the risk over a broad area. The actual risks of cancer or noncancer effects from the project are likely to be lower than presented herein.

Based on this analysis, project construction and operation would result in potential cancer risk that would be less than significant with mitigation. The project would result in chronic health risk that would be less than significant without mitigation.

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Appendix A

HARP2 and AERMOD Output Files

```
** Lakes Environmental AERMOD MPI
**
**************************************
**
** AERMOD INPUT PRODUCED BY:
** AERMOD VIEW VER. 9.9.0
** LAKES ENVIRONMENTAL SOFTWARE INC.
** DATE: 5/26/2020
** FILE: F:\LAKES\OCSD\OCSD.ADI
**
**************************************
**
**
**************************************
** AERMOD CONTROL PATHWAY
**************************************
**
**
CO STARTING
   TITLEONE C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
   MODELOPT DFAULT CONC
   AVERTIME 1 PERIOD
   URBANOPT 3010232
   POLLUTID PM_10
   RUNORNOT RUN
   ERRORFIL OCSD.ERR
CO FINISHED
**
**************************************
** AERMOD SOURCE PATHWAY
**************************************
**
**
SO STARTING
** SOURCE LOCATION **
** SOURCE ID - TYPE - X COORD. - Y COORD. **
** ----------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES
** LINE VOLUME SOURCE ID = SLINE1
** DESCRSRC PLANT 1
** PREFIX
** LENGTH OF SIDE = 25.00
** CONFIGURATION = ADJACENT
** EMISSION RATE = 1.0
** VERTICAL DIMENSION = 25.00
** SZINIT = 11.63
** NODES = 10
** 412741.664, 3728642.491, 7.75, 5.00, 11.63
** 412765.904, 3727920.683, 8.95, 5.00, 11.63
** 412817.665, 3727922.083, 9.03, 5.00, 11.63
```

```
** 412800.793, 3728632.086, 8.11, 5.00, 11.63
** 412850.001, 3728619.432, 8.58, 5.00, 11.63
** 412858.437, 3727900.994, 8.68, 5.00, 11.63
** 412904.833, 3727982.539, 10.54, 5.00, 11.63
** 412900.616, 3728634.898, 8.15, 5.00, 11.63
** 412954.042, 3728634.898, 8.17, 5.00, 11.63
** 412955.447, 3728097.826, 9.97, 5.00, 11.63
** ------------------------------------------------------------------
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   LOCATION L0000005     VOLUME   412745.440 3728530.054 8.18
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   LOCATION L0000037     VOLUME   412814.374 3728060.549 9.06
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   LOCATION L0000041     VOLUME   412811.999 3728160.521 9.07
   LOCATION L0000042     VOLUME   412811.405 3728185.514 9.06
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LOCATION L0000045 VOLUME 412809.623 3728260.493 9.11
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LOCATION L0000049 VOLUME 412807.248 3728360.465 8.56
LOCATION L0000050 VOLUME 412806.654 3728385.457 8.32
LOCATION L0000051 VOLUME 412806.060 3728410.450 8.31
LOCATION L0000052 VOLUME 412805.466 3728435.443 8.65
LOCATION L0000053 VOLUME 412804.872 3728460.436 9.10
LOCATION L0000054 VOLUME 412804.278 3728485.429 8.64
LOCATION L0000055 VOLUME 412803.684 3728510.422 8.51
LOCATION L0000056 VOLUME 412803.090 3728535.415 8.85
LOCATION L0000057 VOLUME 412802.497 3728560.408 8.38
LOCATION L0000058 VOLUME 412801.903 3728585.401 8.53
LOCATION L0000059 VOLUME 412801.309 3728610.394 8.45
LOCATION L0000060 VOLUME 412803.991 3728631.264 8.16
LOCATION L0000061 VOLUME 412828.204 3728625.038 8.28
LOCATION L0000062 VOLUME 412850.031 3728616.940 8.55
LOCATION L0000063 VOLUME 412850.324 3728591.941 8.83
LOCATION L0000064 VOLUME 412850.618 3728566.943 8.71
LOCATION L0000065 VOLUME 412850.911 3728541.945 8.69
LOCATION L0000066 VOLUME 412851.205 3728516.947 8.60
LOCATION L0000067 VOLUME 412851.498 3728491.948 8.75
LOCATION L0000068 VOLUME 412851.792 3728466.950 8.88
LOCATION L0000069 VOLUME 412852.085 3728441.952 8.91
LOCATION L0000070 VOLUME 412852.379 3728416.953 8.89
LOCATION L0000071 VOLUME 412852.672 3728391.955 8.87
LOCATION L0000072 VOLUME 412852.966 3728366.957 8.70
LOCATION L0000073 VOLUME 412853.259 3728341.959 8.99
LOCATION L0000074 VOLUME 412853.553 3728316.960 8.98
LOCATION L0000075 VOLUME 412853.847 3728291.962 9.04
LOCATION L0000076 VOLUME 412854.140 3728266.964 9.26
LOCATION L0000077 VOLUME 412854.434 3728241.966 8.71
LOCATION L0000078 VOLUME 412854.727 3728216.967 8.94
LOCATION L0000079 VOLUME 412855.021 3728191.969 9.06
LOCATION L0000080 VOLUME 412855.314 3728166.971 9.12
LOCATION L0000081 VOLUME 412855.608 3728141.972 9.08
LOCATION L0000082 VOLUME 412855.901 3728116.974 9.15
LOCATION L0000083 VOLUME 412856.195 3728091.976 9.05
LOCATION L0000084 VOLUME 412856.488 3728066.978 8.99
LOCATION L0000085 VOLUME 412856.782 3728041.979 8.97
LOCATION L0000086 VOLUME 412857.075 3728016.981 8.97
LOCATION L0000087 VOLUME 412857.369 3727991.983 9.05
LOCATION L0000088 VOLUME 412857.662 3727966.985 9.01
LOCATION L0000089 VOLUME 412857.956 3727941.986 9.04
LOCATION L0000090 VOLUME 412858.249 3727916.988 8.91
LOCATION L0000091 VOLUME 412862.890 3727908.821 9.18
LOCATION L0000092 VOLUME 412875.253 3727930.550 9.70

LOCATION L0000093 VOLUME 412887.616 3727952.279 9.96
LOCATION L0000094 VOLUME 412899.980 3727974.008 9.96
LOCATION L0000095 VOLUME 412904.735 3727997.723 9.05
LOCATION L0000096 VOLUME 412904.574 3728022.723 8.58
LOCATION L0000097 VOLUME 412904.412 3728047.722 8.94
LOCATION L0000098 VOLUME 412904.250 3728072.722 9.07
LOCATION L0000099 VOLUME 412904.089 3728097.721 8.85
LOCATION L0000100 VOLUME 412903.927 3728122.721 8.82
LOCATION L0000101 VOLUME 412903.765 3728147.720 8.88
LOCATION L0000102 VOLUME 412903.604 3728172.720 8.89
LOCATION L0000103 VOLUME 412903.442 3728197.719 8.88
LOCATION L0000104 VOLUME 412903.281 3728222.719 8.84
LOCATION L0000105 VOLUME 412903.119 3728247.718 8.75
LOCATION L0000106 VOLUME 412902.957 3728272.718 8.83
LOCATION L0000107 VOLUME 412902.796 3728297.717 8.89
LOCATION L0000108 VOLUME 412902.634 3728322.717 8.71
LOCATION L0000109 VOLUME 412902.472 3728347.716 8.80
LOCATION L0000110 VOLUME 412902.311 3728372.715 8.93
LOCATION L0000111 VOLUME 412902.149 3728397.715 9.12
LOCATION L0000112 VOLUME 412901.987 3728422.714 9.07
LOCATION L0000113 VOLUME 412901.826 3728447.714 9.07
LOCATION L0000114 VOLUME 412901.664 3728472.713 9.07
LOCATION L0000115 VOLUME 412901.503 3728497.713 9.00
LOCATION L0000116 VOLUME 412901.341 3728522.712 8.49
LOCATION L0000117 VOLUME 412901.179 3728547.712 8.75
LOCATION L0000118 VOLUME 412901.018 3728572.711 8.85
LOCATION L0000119 VOLUME 412900.856 3728597.711 8.79
LOCATION L0000120 VOLUME 412900.694 3728622.710 8.66
LOCATION L0000121 VOLUME 412913.428 3728634.898 8.23
LOCATION L0000122 VOLUME 412938.428 3728634.898 8.21
LOCATION L0000123 VOLUME 412954.066 3728625.512 8.52
LOCATION L0000124 VOLUME 412954.132 3728600.512 8.68
LOCATION L0000125 VOLUME 412954.197 3728575.512 8.89
LOCATION L0000126 VOLUME 412954.262 3728550.512 8.65
LOCATION L0000127 VOLUME 412954.328 3728525.512 8.61
LOCATION L0000128 VOLUME 412954.393 3728500.512 8.95
LOCATION L0000129 VOLUME 412954.459 3728475.512 8.91
LOCATION L0000130 VOLUME 412954.524 3728450.512 9.07
LOCATION L0000131 VOLUME 412954.590 3728425.512 9.14
LOCATION L0000132 VOLUME 412954.655 3728400.513 9.19
LOCATION L0000133 VOLUME 412954.721 3728375.513 9.10
LOCATION L0000134 VOLUME 412954.786 3728350.513 9.12
LOCATION L0000135 VOLUME 412954.851 3728325.513 9.26
LOCATION L0000136 VOLUME 412954.917 3728300.513 9.02
LOCATION L0000137 VOLUME 412954.982 3728275.513 8.87
LOCATION L0000138 VOLUME 412955.048 3728250.513 8.95
LOCATION L0000139 VOLUME 412955.113 3728225.513 8.94
LOCATION L0000140 VOLUME 412955.179 3728200.513 9.03
LOCATION L0000141 VOLUME 412955.244 3728175.513 8.97
LOCATION L0000142 VOLUME 412955.310 3728150.513 9.00

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   LOCATION L0000143     VOLUME   412955.375 3728125.513 8.94
   LOCATION L0000144     VOLUME   412955.440 3728100.514 9.15
** END OF LINE VOLUME SOURCE ID = SLINE1
** ----------------------------------------------------------------------
** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES
** LINE VOLUME SOURCE ID = SLINE2
** DESCRSRC PLANT 2
** PREFIX
** LENGTH OF SIDE = 25.00
** CONFIGURATION = ADJACENT
** EMISSION RATE = 1.0
** VERTICAL DIMENSION = 25.00
** SZINIT = 11.63
** NODES = 8
** 411332.921, 3722981.392, 3.47, 5.00, 11.63
** 411163.511, 3722498.756, 3.23, 5.00, 11.63
** 411211.043, 3722481.693, 3.64, 5.00, 11.63
** 411374.359, 3722975.298, 3.67, 5.00, 11.63
** 411423.110, 3722961.891, 3.63, 5.00, 11.63
** 411253.700, 3722471.943, 3.83, 5.00, 11.63
** 411302.451, 3722453.661, 3.93, 5.00, 11.63
** 411466.986, 3722952.141, 3.77, 5.00, 11.63
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   LOCATION L0000145     VOLUME   411328.781 3722969.597 3.63
   LOCATION L0000146     VOLUME   411320.501 3722946.008 3.68
   LOCATION L0000147     VOLUME   411312.221 3722922.419 3.79
   LOCATION L0000148     VOLUME   411303.941 3722898.830 3.74
   LOCATION L0000149     VOLUME   411295.661 3722875.241 3.82
   LOCATION L0000150     VOLUME   411287.381 3722851.652 3.89
   LOCATION L0000151     VOLUME   411279.101 3722828.063 4.01
   LOCATION L0000152     VOLUME   411270.821 3722804.474 4.10
   LOCATION L0000153     VOLUME   411262.541 3722780.885 4.27
   LOCATION L0000154     VOLUME   411254.261 3722757.296 4.60
   LOCATION L0000155     VOLUME   411245.981 3722733.707 4.33
   LOCATION L0000156     VOLUME   411237.701 3722710.118 5.42
   LOCATION L0000157     VOLUME   411229.421 3722686.529 4.16
   LOCATION L0000158     VOLUME   411221.141 3722662.940 3.28
   LOCATION L0000159     VOLUME   411212.861 3722639.351 2.99
   LOCATION L0000160     VOLUME   411204.581 3722615.762 3.32
   LOCATION L0000161     VOLUME   411196.301 3722592.173 3.67
   LOCATION L0000162     VOLUME   411188.021 3722568.584 3.56
   LOCATION L0000163     VOLUME   411179.741 3722544.995 3.64
   LOCATION L0000164     VOLUME   411171.461 3722521.406 3.58
   LOCATION L0000165     VOLUME   411164.448 3722498.420 3.33
   LOCATION L0000166     VOLUME   411187.978 3722489.973 3.57
   LOCATION L0000167     VOLUME   411211.198 3722482.162 3.63
   LOCATION L0000168     VOLUME   411219.051 3722505.896 3.62
   LOCATION L0000169     VOLUME   411226.904 3722529.631 3.77
   LOCATION L0000170     VOLUME   411234.757 3722553.365 3.90
   LOCATION L0000171     VOLUME   411242.610 3722577.100 3.72
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LOCATION L0000172 VOLUME 411250.463 3722600.835 3.18
LOCATION L0000173 VOLUME 411258.316 3722624.569 2.93
LOCATION L0000174 VOLUME 411266.169 3722648.304 3.68
LOCATION L0000175 VOLUME 411274.022 3722672.038 4.52
LOCATION L0000176 VOLUME 411281.874 3722695.773 4.91
LOCATION L0000177 VOLUME 411289.727 3722719.508 4.81
LOCATION L0000178 VOLUME 411297.580 3722743.242 4.84
LOCATION L0000179 VOLUME 411305.433 3722766.977 4.75
LOCATION L0000180 VOLUME 411313.286 3722790.712 4.18
LOCATION L0000181 VOLUME 411321.139 3722814.446 4.20
LOCATION L0000182 VOLUME 411328.992 3722838.181 3.76
LOCATION L0000183 VOLUME 411336.845 3722861.915 3.59
LOCATION L0000184 VOLUME 411344.698 3722885.650 3.64
LOCATION L0000185 VOLUME 411352.551 3722909.385 3.48
LOCATION L0000186 VOLUME 411360.404 3722933.119 3.63
LOCATION L0000187 VOLUME 411368.257 3722956.854 3.42
LOCATION L0000188 VOLUME 411379.732 3722973.820 3.71
LOCATION L0000189 VOLUME 411403.838 3722967.191 3.78
LOCATION L0000190 VOLUME 411421.472 3722957.154 3.53
LOCATION L0000191 VOLUME 411413.303 3722933.527 3.43
LOCATION L0000192 VOLUME 411405.133 3722909.899 3.62
LOCATION L0000193 VOLUME 411396.963 3722886.272 3.44
LOCATION L0000194 VOLUME 411388.794 3722862.645 3.87
LOCATION L0000195 VOLUME 411380.624 3722839.017 3.80
LOCATION L0000196 VOLUME 411372.454 3722815.390 4.67
LOCATION L0000197 VOLUME 411364.285 3722791.762 4.73
LOCATION L0000198 VOLUME 411356.115 3722768.135 4.88
LOCATION L0000199 VOLUME 411347.945 3722744.507 4.97
LOCATION L0000200 VOLUME 411339.775 3722720.880 5.05
LOCATION L0000201 VOLUME 411331.606 3722697.252 4.93
LOCATION L0000202 VOLUME 411323.436 3722673.625 4.79
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LOCATION L0000204 VOLUME 411307.097 3722626.370 3.46
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LOCATION L0000208 VOLUME 411274.418 3722531.860 3.83
LOCATION L0000209 VOLUME 411266.248 3722508.233 3.99
LOCATION L0000210 VOLUME 411258.079 3722484.605 3.76
LOCATION L0000211 VOLUME 411264.563 3722467.869 3.82
LOCATION L0000212 VOLUME 411287.972 3722459.091 3.91
LOCATION L0000213 VOLUME 411305.440 3722462.716 3.90
LOCATION L0000214 VOLUME 411313.276 3722486.457 3.82
LOCATION L0000215 VOLUME 411321.112 3722510.197 3.71
LOCATION L0000216 VOLUME 411328.948 3722533.937 3.34
LOCATION L0000217 VOLUME 411336.784 3722557.677 3.43
LOCATION L0000218 VOLUME 411344.620 3722581.417 3.59
LOCATION L0000219 VOLUME 411352.456 3722605.158 2.96
LOCATION L0000220 VOLUME 411360.292 3722628.898 3.27
LOCATION L0000221 VOLUME 411368.128 3722652.638 4.13

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   LOCATION L0000222     VOLUME   411375.964 3722676.378 4.66
   LOCATION L0000223     VOLUME   411383.800 3722700.118 4.87
   LOCATION L0000224     VOLUME   411391.636 3722723.859 4.82
   LOCATION L0000225     VOLUME   411399.472 3722747.599 4.63
   LOCATION L0000226     VOLUME   411407.308 3722771.339 4.36
   LOCATION L0000227     VOLUME   411415.144 3722795.079 4.01
   LOCATION L0000228     VOLUME   411422.980 3722818.819 3.77
   LOCATION L0000229     VOLUME   411430.816 3722842.560 3.69
   LOCATION L0000230     VOLUME   411438.652 3722866.300 3.73
   LOCATION L0000231     VOLUME   411446.488 3722890.040 3.77
   LOCATION L0000232     VOLUME   411454.324 3722913.780 3.79
   LOCATION L0000233     VOLUME   411462.160 3722937.520 3.82
** END OF LINE VOLUME SOURCE ID = SLINE2
** SOURCE PARAMETERS **
** LINE VOLUME SOURCE ID = SLINE1
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   SRCPARAM L0000005     0.0069444444      5.00     11.63     11.63
   SRCPARAM L0000006     0.0069444444      5.00     11.63     11.63
   SRCPARAM L0000007     0.0069444444      5.00     11.63     11.63
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   SRCPARAM L0000010     0.0069444444      5.00     11.63     11.63
   SRCPARAM L0000011     0.0069444444      5.00     11.63     11.63
   SRCPARAM L0000012     0.0069444444      5.00     11.63     11.63
   SRCPARAM L0000013     0.0069444444      5.00     11.63     11.63
   SRCPARAM L0000014     0.0069444444      5.00     11.63     11.63
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   SRCPARAM L0000016     0.0069444444      5.00     11.63     11.63
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   SRCPARAM L0000019     0.0069444444      5.00     11.63     11.63
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   SRCPARAM L0000030     0.0069444444      5.00     11.63     11.63
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   SRCPARAM L0000034     0.0069444444      5.00     11.63     11.63
   SRCPARAM L0000035     0.0069444444      5.00     11.63     11.63
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SRCPARAM L0000039     0.0069444444      5.00     11.63     11.63
SRCPARAM L0000040     0.0069444444      5.00     11.63     11.63
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SRCPARAM L0000072     0.0069444444      5.00     11.63     11.63
SRCPARAM L0000073     0.0069444444      5.00     11.63     11.63
SRCPARAM L0000074     0.0069444444      5.00     11.63     11.63
SRCPARAM L0000075     0.0069444444      5.00     11.63     11.63
SRCPARAM L0000076     0.0069444444      5.00     11.63     11.63
SRCPARAM L0000077     0.0069444444      5.00     11.63     11.63
SRCPARAM L0000078     0.0069444444      5.00     11.63     11.63
SRCPARAM L0000079     0.0069444444      5.00     11.63     11.63
SRCPARAM L0000080     0.0069444444      5.00     11.63     11.63
SRCPARAM L0000081     0.0069444444      5.00     11.63     11.63
SRCPARAM L0000082     0.0069444444      5.00     11.63     11.63
SRCPARAM L0000083     0.0069444444      5.00     11.63     11.63
SRCPARAM L0000084     0.0069444444      5.00     11.63     11.63
SRCPARAM L0000085     0.0069444444      5.00     11.63     11.63
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SRCPARAM L0000090     0.0069444444      5.00     11.63     11.63
SRCPARAM L0000091     0.0069444444      5.00     11.63     11.63
SRCPARAM L0000092     0.0069444444      5.00     11.63     11.63
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SRCPARAM L0000104     0.0069444444      5.00     11.63     11.63
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SRCPARAM L0000107     0.0069444444      5.00     11.63     11.63
SRCPARAM L0000108     0.0069444444      5.00     11.63     11.63
SRCPARAM L0000109     0.0069444444      5.00     11.63     11.63
SRCPARAM L0000110     0.0069444444      5.00     11.63     11.63
SRCPARAM L0000111     0.0069444444      5.00     11.63     11.63
SRCPARAM L0000112     0.0069444444      5.00     11.63     11.63
SRCPARAM L0000113     0.0069444444      5.00     11.63     11.63
SRCPARAM L0000114     0.0069444444      5.00     11.63     11.63
SRCPARAM L0000115     0.0069444444      5.00     11.63     11.63
SRCPARAM L0000116     0.0069444444      5.00     11.63     11.63
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SRCPARAM L0000118     0.0069444444      5.00     11.63     11.63
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SRCPARAM L0000122     0.0069444444      5.00     11.63     11.63
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SRCPARAM L0000125     0.0069444444      5.00     11.63     11.63
SRCPARAM L0000126     0.0069444444      5.00     11.63     11.63
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SRCPARAM L0000131     0.0069444444      5.00     11.63     11.63
SRCPARAM L0000132     0.0069444444      5.00     11.63     11.63
SRCPARAM L0000133     0.0069444444      5.00     11.63     11.63
SRCPARAM L0000134     0.0069444444      5.00     11.63     11.63
SRCPARAM L0000135     0.0069444444      5.00     11.63     11.63
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   SRCPARAM L0000141     0.0069444444      5.00     11.63     11.63
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   SRCPARAM L0000143     0.0069444444      5.00     11.63     11.63
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   SRCPARAM L0000147     0.0112359551      5.00     11.63     11.63
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   SRCPARAM L0000152     0.0112359551      5.00     11.63     11.63
   SRCPARAM L0000153     0.0112359551      5.00     11.63     11.63
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   SRCPARAM L0000155     0.0112359551      5.00     11.63     11.63
   SRCPARAM L0000156     0.0112359551      5.00     11.63     11.63
   SRCPARAM L0000157     0.0112359551      5.00     11.63     11.63
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   SRCPARAM L0000159     0.0112359551      5.00     11.63     11.63
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   SRCPARAM L0000163     0.0112359551      5.00     11.63     11.63
   SRCPARAM L0000164     0.0112359551      5.00     11.63     11.63
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   SRCPARAM L0000166     0.0112359551      5.00     11.63     11.63
   SRCPARAM L0000167     0.0112359551      5.00     11.63     11.63
   SRCPARAM L0000168     0.0112359551      5.00     11.63     11.63
   SRCPARAM L0000169     0.0112359551      5.00     11.63     11.63
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   SRCPARAM L0000171     0.0112359551      5.00     11.63     11.63
   SRCPARAM L0000172     0.0112359551      5.00     11.63     11.63
   SRCPARAM L0000173     0.0112359551      5.00     11.63     11.63
   SRCPARAM L0000174     0.0112359551      5.00     11.63     11.63
   SRCPARAM L0000175     0.0112359551      5.00     11.63     11.63
   SRCPARAM L0000176     0.0112359551      5.00     11.63     11.63
   SRCPARAM L0000177     0.0112359551      5.00     11.63     11.63
   SRCPARAM L0000178     0.0112359551      5.00     11.63     11.63
   SRCPARAM L0000179     0.0112359551      5.00     11.63     11.63
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   SRCPARAM L0000182     0.0112359551      5.00     11.63     11.63
   SRCPARAM L0000183     0.0112359551      5.00     11.63     11.63
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SRCPARAM L0000190     0.0112359551      5.00     11.63     11.63
SRCPARAM L0000191     0.0112359551      5.00     11.63     11.63
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SRCPARAM L0000231     0.0112359551      5.00     11.63     11.63
SRCPARAM L0000232     0.0112359551      5.00     11.63     11.63
SRCPARAM L0000233     0.0112359551      5.00     11.63     11.63
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** ----------------------------------------------------------------
   URBANSRC ALL

** VARIABLE EMISSIONS TYPE: "BY HOUR / DAY (HRDOW)"
** VARIABLE EMISSION SCENARIO: "SCENARIO 1"
** WEEKDAYS:
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   EMISFACT L0000001     HRDOW 0.0 9.0 9.0 9.0 9.0 0.0
   EMISFACT L0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000002     HRDOW 0.0 9.0 9.0 9.0 9.0 0.0
   EMISFACT L0000002     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000003     HRDOW 0.0 9.0 9.0 9.0 9.0 0.0
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   EMISFACT L0000004     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000010     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000220     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000220     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000220     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000221     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000221     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000221     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000221     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000222     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000222     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000222     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000222     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000223     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000223     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000223     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000223     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000224     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000224     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000224     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000224     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000225     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000225     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000225     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000225     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000226     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000226     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000226     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000226     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000227     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000227     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000227     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000227     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000228     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000228     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000228     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000228     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000229     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000229     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000229     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000229     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000230     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000230     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000230     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000230     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000231     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000231     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000231     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000231     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000232     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000232     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000232     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000232     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000233     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000233     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000233     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000233     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   SRCGROUP SRCGP1   L0000001 L0000002 L0000003 L0000004 L0000005 L0000006
   SRCGROUP SRCGP1   L0000007 L0000008 L0000009 L0000010 L0000011 L0000012
   SRCGROUP SRCGP1   L0000013 L0000014 L0000015 L0000016 L0000017 L0000018
   SRCGROUP SRCGP1   L0000019 L0000020 L0000021 L0000022 L0000023 L0000024
   SRCGROUP SRCGP1   L0000025 L0000026 L0000027 L0000028 L0000029 L0000030
   SRCGROUP SRCGP1   L0000031 L0000032 L0000033 L0000034 L0000035 L0000036
   SRCGROUP SRCGP1   L0000037 L0000038 L0000039 L0000040 L0000041 L0000042
   SRCGROUP SRCGP1   L0000043 L0000044 L0000045 L0000046 L0000047 L0000048
   SRCGROUP SRCGP1   L0000049 L0000050 L0000051 L0000052 L0000053 L0000054
   SRCGROUP SRCGP1   L0000055 L0000056 L0000057 L0000058 L0000059 L0000060
   SRCGROUP SRCGP1   L0000061 L0000062 L0000063 L0000064 L0000065 L0000066
   SRCGROUP SRCGP1   L0000067 L0000068 L0000069 L0000070 L0000071 L0000072
   SRCGROUP SRCGP1   L0000073 L0000074 L0000075 L0000076 L0000077 L0000078
   SRCGROUP SRCGP1   L0000079 L0000080 L0000081 L0000082 L0000083 L0000084
   SRCGROUP SRCGP1   L0000085 L0000086 L0000087 L0000088 L0000089 L0000090
   SRCGROUP SRCGP1   L0000091 L0000092 L0000093 L0000094 L0000095 L0000096
   SRCGROUP SRCGP1   L0000097 L0000098 L0000099 L0000100 L0000101 L0000102
   SRCGROUP SRCGP1   L0000103 L0000104 L0000105 L0000106 L0000107 L0000108
   SRCGROUP SRCGP1   L0000109 L0000110 L0000111 L0000112 L0000113 L0000114
   SRCGROUP SRCGP1   L0000115 L0000116 L0000117 L0000118 L0000119 L0000120
   SRCGROUP SRCGP1   L0000121 L0000122 L0000123 L0000124 L0000125 L0000126
   SRCGROUP SRCGP1   L0000127 L0000128 L0000129 L0000130 L0000131 L0000132
   SRCGROUP SRCGP1   L0000133 L0000134 L0000135 L0000136 L0000137 L0000138
   SRCGROUP SRCGP1   L0000139 L0000140 L0000141 L0000142 L0000143 L0000144
   SRCGROUP SRCGP2   L0000145 L0000146 L0000147 L0000148 L0000149 L0000150
   SRCGROUP SRCGP2   L0000151 L0000152 L0000153 L0000154 L0000155 L0000156
   SRCGROUP SRCGP2   L0000157 L0000158 L0000159 L0000160 L0000161 L0000162
   SRCGROUP SRCGP2   L0000163 L0000164 L0000165 L0000166 L0000167 L0000168
   SRCGROUP SRCGP2   L0000169 L0000170 L0000171 L0000172 L0000173 L0000174
   SRCGROUP SRCGP2   L0000175 L0000176 L0000177 L0000178 L0000179 L0000180
   SRCGROUP SRCGP2   L0000181 L0000182 L0000183 L0000184 L0000185 L0000186
   SRCGROUP SRCGP2   L0000187 L0000188 L0000189 L0000190 L0000191 L0000192
   SRCGROUP SRCGP2   L0000193 L0000194 L0000195 L0000196 L0000197 L0000198
   SRCGROUP SRCGP2   L0000199 L0000200 L0000201 L0000202 L0000203 L0000204
   SRCGROUP SRCGP2   L0000205 L0000206 L0000207 L0000208 L0000209 L0000210
   SRCGROUP SRCGP2   L0000211 L0000212 L0000213 L0000214 L0000215 L0000216
   SRCGROUP SRCGP2   L0000217 L0000218 L0000219 L0000220 L0000221 L0000222
   SRCGROUP SRCGP2   L0000223 L0000224 L0000225 L0000226 L0000227 L0000228
   SRCGROUP SRCGP2   L0000229 L0000230 L0000231 L0000232 L0000233
SO FINISHED
**
**************************************
** AERMOD RECEPTOR PATHWAY
```

```
**************************************
**
**
RE STARTING
   INCLUDED OCSD.ROU
RE FINISHED
**
**************************************
** AERMOD METEOROLOGY PATHWAY
**************************************
**
**
ME STARTING
   SURFFILE JOHNWAYNEINT'LAIRPORTADJU\KSNA_V9_ADJU\KSNA_V9.SFC
   PROFFILE JOHNWAYNEINT'LAIRPORTADJU\KSNA_V9_ADJU\KSNA_V9.PFL
   SURFDATA 93184 2012
   UAIRDATA 3190 2012
   PROFBASE 17.0 METERS
ME FINISHED
**
**************************************
** AERMOD OUTPUT PATHWAY
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
** AUTO-GENERATED PLOTFILES
   PLOTFILE   1 SRCGP1 1ST OCSD.AD\01H1G001.PLT 31
   PLOTFILE   1 SRCGP2 1ST OCSD.AD\01H1G002.PLT 32
   PLOTFILE   PERIOD SRCGP1 OCSD.AD\PE00G001.PLT 33
   PLOTFILE   PERIOD SRCGP2 OCSD.AD\PE00G002.PLT 34
   SUMMFILE OCSD.SUM
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            2 Warning Message(s)
 A Total of            0 Informational Message(s)


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***
```

```
   ********   WARNING MESSAGES   ********
 ME W186    3418       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
     0.50
 ME W187    3418       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET


 *********************************
 *** SETUP Finishes Successfully ***
 *********************************

 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                         ***        16:48:31

                                    PAGE   1
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                              ***     MODEL SETUP OPTIONS SUMMARY
 ***
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - -

 **Model Is Setup For Calculation of Average CONCentration Values.

   --  DEPOSITION LOGIC  --
 **NO GAS DEPOSITION Data Provided.
 **NO PARTICLE DEPOSITION Data Provided.
 **Model Uses NO DRY DEPLETION.  DRYDPLT  =  F
 **Model Uses NO WET DEPLETION.  WETDPLT  =  F

 **Model Uses URBAN Dispersion Algorithm for the SBL for   233 Source(s),
   for Total of    1 Urban Area(s):
   Urban Population =   3010232.0 ;  Urban Roughness Length =  1.000 m

 **Model Uses Regulatory DEFAULT Options:
         1. Stack-tip Downwash.
         2. Model Accounts for ELEVated Terrain Effects.
         3. Use Calms Processing Routine.
         4. Use Missing Data Processing Routine.
         5. No Exponential Decay.
         6. Urban Roughness Length of 1.0 Meter Assumed.

 **Other Options Specified:
         ADJ_U*   - Use ADJ_U* option for SBL in AERMET
         CCVR_Sub - Meteorological data includes CCVR substitutions
         TEMP_Sub - Meteorological data includes TEMP substitutions

 **Model Assumes No FLAGPOLE Receptor Heights.
```

```
 **The User Specified a Pollutant Type of:  PM_10

 **Model Calculates  1 Short Term Average(s) of:   1-HR
     and Calculates PERIOD Averages

 **This Run Includes:    233 Source(s);       2 Source Group(s); and    5329
Receptor(s)

                with:      0 POINT(s), including
                           0 POINTCAP(s) and      0 POINTHOR(s)
                 and:    233 VOLUME source(s)
                 and:      0 AREA type source(s)
                 and:      0 LINE source(s)
                 and:      0 RLINE/RLINEXT source(s)
                 and:      0 OPENPIT source(s)
                 and:      0 BUOYANT LINE source(s) with      0 line(s)


 **Model Set To Continue RUNning After the Setup Testing.

 **The AERMET Input Meteorological Data Version Date:  16216

 **Output Options Selected:
          Model Outputs Tables of PERIOD Averages by Receptor
          Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE
Keyword)
          Model Outputs External File(s) of High Values for Plotting (PLOTFILE
Keyword)
          Model Outputs Separate Summary File of High Ranked Values (SUMMFILE
Keyword)

 **NOTE:  The Following Flags May Appear Following CONC Values:  c for Calm Hours
                                                                 m for Missing Hours
                                                                 b for Both Calm and
Missing Hours

 **Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =    17.00 ;  Decay
Coef. =    0.000     ;  Rot. Angle =     0.0
                  Emission Units = GRAMS/SEC                                ;
Emission Rate Unit Factor =   0.10000E+07
                  Output Units   = MICROGRAMS/M**3

 **Approximate Storage Requirements of Model =      4.6 MB of RAM.

 **Input Runstream File:          aermod.inp

 **Output Print File:             aermod.out


 **Detailed Error/Message File:   OCSD.ERR
```

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE VARY BY
L0000001	0	0.69444E-02	412742.1	3728630.0	8.0	5.00	11.63	11.63	YES	HRDOW
L0000002	0	0.69444E-02	412742.9	3728605.0	8.2	5.00	11.63	11.63	YES	HRDOW
L0000003	0	0.69444E-02	412743.8	3728580.0	8.4	5.00	11.63	11.63	YES	HRDOW
L0000004	0	0.69444E-02	412744.6	3728555.0	8.2	5.00	11.63	11.63	YES	HRDOW
L0000005	0	0.69444E-02	412745.4	3728530.1	8.2	5.00	11.63	11.63	YES	HRDOW
L0000006	0	0.69444E-02	412746.3	3728505.1	7.9	5.00	11.63	11.63	YES	HRDOW
L0000007	0	0.69444E-02	412747.1	3728480.1	7.7	5.00	11.63	11.63	YES	HRDOW
L0000008	0	0.69444E-02	412748.0	3728455.1	7.9	5.00	11.63	11.63	YES	HRDOW
L0000009	0	0.69444E-02	412748.8	3728430.1	8.0	5.00	11.63	11.63	YES	HRDOW
L0000010	0	0.69444E-02	412749.6	3728405.1	8.0	5.00	11.63	11.63	YES	HRDOW
L0000011	0	0.69444E-02	412750.5	3728380.1	8.2	5.00	11.63	11.63	YES	HRDOW
L0000012	0	0.69444E-02	412751.3	3728355.2	8.2	5.00	11.63	11.63	YES	HRDOW
L0000013	0	0.69444E-02	412752.2	3728330.2	8.4	5.00	11.63	11.63	YES	HRDOW
L0000014	0	0.69444E-02	412753.0	3728305.2	8.4	5.00	11.63			

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11.63     YES   HRDOW
 L0000015         0   0.69444E-02  412753.8 3728280.2     8.4     5.00    11.63
11.63     YES   HRDOW
 L0000016         0   0.69444E-02  412754.7 3728255.2     8.4     5.00    11.63
11.63     YES   HRDOW
 L0000017         0   0.69444E-02  412755.5 3728230.2     8.3     5.00    11.63
11.63     YES   HRDOW
 L0000018         0   0.69444E-02  412756.3 3728205.2     8.6     5.00    11.63
11.63     YES   HRDOW
 L0000019         0   0.69444E-02  412757.2 3728180.3     8.8     5.00    11.63
11.63     YES   HRDOW
 L0000020         0   0.69444E-02  412758.0 3728155.3     8.9     5.00    11.63
11.63     YES   HRDOW
 L0000021         0   0.69444E-02  412758.9 3728130.3     9.1     5.00    11.63
11.63     YES   HRDOW
 L0000022         0   0.69444E-02  412759.7 3728105.3     8.9     5.00    11.63
11.63     YES   HRDOW
 L0000023         0   0.69444E-02  412760.5 3728080.3     8.9     5.00    11.63
11.63     YES   HRDOW
 L0000024         0   0.69444E-02  412761.4 3728055.3     8.9     5.00    11.63
11.63     YES   HRDOW
 L0000025         0   0.69444E-02  412762.2 3728030.3     8.9     5.00    11.63
11.63     YES   HRDOW
 L0000026         0   0.69444E-02  412763.1 3728005.3     8.9     5.00    11.63
11.63     YES   HRDOW
 L0000027         0   0.69444E-02  412763.9 3727980.4     9.1     5.00    11.63
11.63     YES   HRDOW
 L0000028         0   0.69444E-02  412764.7 3727955.4     9.0     5.00    11.63
11.63     YES   HRDOW
 L0000029         0   0.69444E-02  412765.6 3727930.4     9.0     5.00    11.63
11.63     YES   HRDOW
 L0000030         0   0.69444E-02  412781.2 3727921.1     9.0     5.00    11.63
11.63     YES   HRDOW
 L0000031         0   0.69444E-02  412806.2 3727921.8     9.1     5.00    11.63
11.63     YES   HRDOW
 L0000032         0   0.69444E-02  412817.3 3727935.6     9.1     5.00    11.63
11.63     YES   HRDOW
 L0000033         0   0.69444E-02  412816.8 3727960.6     9.1     5.00    11.63
11.63     YES   HRDOW
 L0000034         0   0.69444E-02  412816.2 3727985.6     9.1     5.00    11.63
11.63     YES   HRDOW
 L0000035         0   0.69444E-02  412815.6 3728010.6     9.1     5.00    11.63
11.63     YES   HRDOW
 L0000036         0   0.69444E-02  412815.0 3728035.6     9.1     5.00    11.63
11.63     YES   HRDOW
 L0000037         0   0.69444E-02  412814.4 3728060.5     9.1     5.00    11.63
11.63     YES   HRDOW
 L0000038         0   0.69444E-02  412813.8 3728085.5     9.1     5.00    11.63
11.63     YES   HRDOW
 L0000039         0   0.69444E-02  412813.2 3728110.5     9.1     5.00    11.63
```

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000041	0	0.69444E-02	412812.0	3728160.5	9.1	5.00	11.63	11.63	YES	HRDOW
L0000042	0	0.69444E-02	412811.4	3728185.5	9.1	5.00	11.63	11.63	YES	HRDOW
L0000043	0	0.69444E-02	412810.8	3728210.5	9.0	5.00	11.63	11.63	YES	HRDOW
L0000044	0	0.69444E-02	412810.2	3728235.5	8.6	5.00	11.63	11.63	YES	HRDOW
L0000045	0	0.69444E-02	412809.6	3728260.5	9.1	5.00	11.63	11.63	YES	HRDOW
L0000046	0	0.69444E-02	412809.0	3728285.5	9.0	5.00	11.63	11.63	YES	HRDOW
L0000047	0	0.69444E-02	412808.4	3728310.5	9.0	5.00	11.63	11.63	YES	HRDOW
L0000048	0	0.69444E-02	412807.8	3728335.5	9.1	5.00	11.63	11.63	YES	HRDOW
L0000049	0	0.69444E-02	412807.2	3728360.5	8.6	5.00	11.63	11.63	YES	HRDOW
L0000050	0	0.69444E-02	412806.7	3728385.5	8.3	5.00	11.63	11.63	YES	HRDOW
L0000051	0	0.69444E-02	412806.1	3728410.4	8.3	5.00	11.63	11.63	YES	HRDOW
L0000052	0	0.69444E-02	412805.5	3728435.4	8.7	5.00	11.63	11.63	YES	HRDOW
L0000053	0	0.69444E-02	412804.9	3728460.4	9.1	5.00	11.63	11.63	YES	HRDOW
L0000054	0	0.69444E-02	412804.3	3728485.4	8.6	5.00	11.63	11.63	YES	HRDOW

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11.63     YES   HRDOW
 L0000055          0   0.69444E-02  412803.7 3728510.4     8.5     5.00    11.63
11.63     YES   HRDOW
 L0000056          0   0.69444E-02  412803.1 3728535.4     8.9     5.00    11.63
11.63     YES   HRDOW
 L0000057          0   0.69444E-02  412802.5 3728560.4     8.4     5.00    11.63
11.63     YES   HRDOW
 L0000058          0   0.69444E-02  412801.9 3728585.4     8.5     5.00    11.63
11.63     YES   HRDOW
 L0000059          0   0.69444E-02  412801.3 3728610.4     8.5     5.00    11.63
11.63     YES   HRDOW
 L0000060          0   0.69444E-02  412804.0 3728631.3     8.2     5.00    11.63
11.63     YES   HRDOW
 L0000061          0   0.69444E-02  412828.2 3728625.0     8.3     5.00    11.63
11.63     YES   HRDOW
 L0000062          0   0.69444E-02  412850.0 3728616.9     8.6     5.00    11.63
11.63     YES   HRDOW
 L0000063          0   0.69444E-02  412850.3 3728591.9     8.8     5.00    11.63
11.63     YES   HRDOW
 L0000064          0   0.69444E-02  412850.6 3728566.9     8.7     5.00    11.63
11.63     YES   HRDOW
 L0000065          0   0.69444E-02  412850.9 3728541.9     8.7     5.00    11.63
11.63     YES   HRDOW
 L0000066          0   0.69444E-02  412851.2 3728516.9     8.6     5.00    11.63
11.63     YES   HRDOW
 L0000067          0   0.69444E-02  412851.5 3728491.9     8.8     5.00    11.63
11.63     YES   HRDOW
 L0000068          0   0.69444E-02  412851.8 3728466.9     8.9     5.00    11.63
11.63     YES   HRDOW
 L0000069          0   0.69444E-02  412852.1 3728442.0     8.9     5.00    11.63
11.63     YES   HRDOW
 L0000070          0   0.69444E-02  412852.4 3728417.0     8.9     5.00    11.63
11.63     YES   HRDOW
 L0000071          0   0.69444E-02  412852.7 3728392.0     8.9     5.00    11.63
11.63     YES   HRDOW
 L0000072          0   0.69444E-02  412853.0 3728367.0     8.7     5.00    11.63
11.63     YES   HRDOW
 L0000073          0   0.69444E-02  412853.3 3728342.0     9.0     5.00    11.63
11.63     YES   HRDOW
 L0000074          0   0.69444E-02  412853.6 3728317.0     9.0     5.00    11.63
11.63     YES   HRDOW
 L0000075          0   0.69444E-02  412853.8 3728292.0     9.0     5.00    11.63
11.63     YES   HRDOW
 L0000076          0   0.69444E-02  412854.1 3728267.0     9.3     5.00    11.63
11.63     YES   HRDOW
 L0000077          0   0.69444E-02  412854.4 3728242.0     8.7     5.00    11.63
11.63     YES   HRDOW
 L0000078          0   0.69444E-02  412854.7 3728217.0     8.9     5.00    11.63
11.63     YES   HRDOW
 L0000079          0   0.69444E-02  412855.0 3728192.0     9.1     5.00    11.63
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000081	0	0.69444E-02	412855.6	3728142.0	9.1	5.00	11.63	11.63	YES	HRDOW
L0000082	0	0.69444E-02	412855.9	3728117.0	9.2	5.00	11.63	11.63	YES	HRDOW
L0000083	0	0.69444E-02	412856.2	3728092.0	9.1	5.00	11.63	11.63	YES	HRDOW
L0000084	0	0.69444E-02	412856.5	3728067.0	9.0	5.00	11.63	11.63	YES	HRDOW
L0000085	0	0.69444E-02	412856.8	3728042.0	9.0	5.00	11.63	11.63	YES	HRDOW
L0000086	0	0.69444E-02	412857.1	3728017.0	9.0	5.00	11.63	11.63	YES	HRDOW
L0000087	0	0.69444E-02	412857.4	3727992.0	9.1	5.00	11.63	11.63	YES	HRDOW
L0000088	0	0.69444E-02	412857.7	3727967.0	9.0	5.00	11.63	11.63	YES	HRDOW
L0000089	0	0.69444E-02	412858.0	3727942.0	9.0	5.00	11.63	11.63	YES	HRDOW
L0000090	0	0.69444E-02	412858.2	3727917.0	8.9	5.00	11.63	11.63	YES	HRDOW
L0000091	0	0.69444E-02	412862.9	3727908.8	9.2	5.00	11.63	11.63	YES	HRDOW
L0000092	0	0.69444E-02	412875.3	3727930.5	9.7	5.00	11.63	11.63	YES	HRDOW
L0000093	0	0.69444E-02	412887.6	3727952.3	10.0	5.00	11.63	11.63	YES	HRDOW
L0000094	0	0.69444E-02	412900.0	3727974.0	10.0	5.00	11.63			

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11.63     YES   HRDOW
 L0000095          0   0.69444E-02  412904.7 3727997.7     9.1     5.00    11.63
11.63     YES   HRDOW
 L0000096          0   0.69444E-02  412904.6 3728022.7     8.6     5.00    11.63
11.63     YES   HRDOW
 L0000097          0   0.69444E-02  412904.4 3728047.7     8.9     5.00    11.63
11.63     YES   HRDOW
 L0000098          0   0.69444E-02  412904.2 3728072.7     9.1     5.00    11.63
11.63     YES   HRDOW
 L0000099          0   0.69444E-02  412904.1 3728097.7     8.9     5.00    11.63
11.63     YES   HRDOW
 L0000100          0   0.69444E-02  412903.9 3728122.7     8.8     5.00    11.63
11.63     YES   HRDOW
 L0000101          0   0.69444E-02  412903.8 3728147.7     8.9     5.00    11.63
11.63     YES   HRDOW
 L0000102          0   0.69444E-02  412903.6 3728172.7     8.9     5.00    11.63
11.63     YES   HRDOW
 L0000103          0   0.69444E-02  412903.4 3728197.7     8.9     5.00    11.63
11.63     YES   HRDOW
 L0000104          0   0.69444E-02  412903.3 3728222.7     8.8     5.00    11.63
11.63     YES   HRDOW
 L0000105          0   0.69444E-02  412903.1 3728247.7     8.8     5.00    11.63
11.63     YES   HRDOW
 L0000106          0   0.69444E-02  412903.0 3728272.7     8.8     5.00    11.63
11.63     YES   HRDOW
 L0000107          0   0.69444E-02  412902.8 3728297.7     8.9     5.00    11.63
11.63     YES   HRDOW
 L0000108          0   0.69444E-02  412902.6 3728322.7     8.7     5.00    11.63
11.63     YES   HRDOW
 L0000109          0   0.69444E-02  412902.5 3728347.7     8.8     5.00    11.63
11.63     YES   HRDOW
 L0000110          0   0.69444E-02  412902.3 3728372.7     8.9     5.00    11.63
11.63     YES   HRDOW
 L0000111          0   0.69444E-02  412902.1 3728397.7     9.1     5.00    11.63
11.63     YES   HRDOW
 L0000112          0   0.69444E-02  412902.0 3728422.7     9.1     5.00    11.63
11.63     YES   HRDOW
 L0000113          0   0.69444E-02  412901.8 3728447.7     9.1     5.00    11.63
11.63     YES   HRDOW
 L0000114          0   0.69444E-02  412901.7 3728472.7     9.1     5.00    11.63
11.63     YES   HRDOW
 L0000115          0   0.69444E-02  412901.5 3728497.7     9.0     5.00    11.63
11.63     YES   HRDOW
 L0000116          0   0.69444E-02  412901.3 3728522.7     8.5     5.00    11.63
11.63     YES   HRDOW
 L0000117          0   0.69444E-02  412901.2 3728547.7     8.8     5.00    11.63
11.63     YES   HRDOW
 L0000118          0   0.69444E-02  412901.0 3728572.7     8.9     5.00    11.63
11.63     YES   HRDOW
 L0000119          0   0.69444E-02  412900.9 3728597.7     8.8     5.00    11.63
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000121	0	0.69444E-02	412913.4	3728634.9	8.2	5.00	11.63	11.63	YES	HRDOW
L0000122	0	0.69444E-02	412938.4	3728634.9	8.2	5.00	11.63	11.63	YES	HRDOW
L0000123	0	0.69444E-02	412954.1	3728625.5	8.5	5.00	11.63	11.63	YES	HRDOW
L0000124	0	0.69444E-02	412954.1	3728600.5	8.7	5.00	11.63	11.63	YES	HRDOW
L0000125	0	0.69444E-02	412954.2	3728575.5	8.9	5.00	11.63	11.63	YES	HRDOW
L0000126	0	0.69444E-02	412954.3	3728550.5	8.7	5.00	11.63	11.63	YES	HRDOW
L0000127	0	0.69444E-02	412954.3	3728525.5	8.6	5.00	11.63	11.63	YES	HRDOW
L0000128	0	0.69444E-02	412954.4	3728500.5	9.0	5.00	11.63	11.63	YES	HRDOW
L0000129	0	0.69444E-02	412954.5	3728475.5	8.9	5.00	11.63	11.63	YES	HRDOW
L0000130	0	0.69444E-02	412954.5	3728450.5	9.1	5.00	11.63	11.63	YES	HRDOW
L0000131	0	0.69444E-02	412954.6	3728425.5	9.1	5.00	11.63	11.63	YES	HRDOW
L0000132	0	0.69444E-02	412954.7	3728400.5	9.2	5.00	11.63	11.63	YES	HRDOW
L0000133	0	0.69444E-02	412954.7	3728375.5	9.1	5.00	11.63	11.63	YES	HRDOW
L0000134	0	0.69444E-02	412954.8	3728350.5	9.1	5.00	11.63			

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11.63     YES   HRDOW
 L0000135          0   0.69444E-02  412954.9 3728325.5     9.3     5.00    11.63
11.63     YES   HRDOW
 L0000136          0   0.69444E-02  412954.9 3728300.5     9.0     5.00    11.63
11.63     YES   HRDOW
 L0000137          0   0.69444E-02  412955.0 3728275.5     8.9     5.00    11.63
11.63     YES   HRDOW
 L0000138          0   0.69444E-02  412955.0 3728250.5     9.0     5.00    11.63
11.63     YES   HRDOW
 L0000139          0   0.69444E-02  412955.1 3728225.5     8.9     5.00    11.63
11.63     YES   HRDOW
 L0000140          0   0.69444E-02  412955.2 3728200.5     9.0     5.00    11.63
11.63     YES   HRDOW
 L0000141          0   0.69444E-02  412955.2 3728175.5     9.0     5.00    11.63
11.63     YES   HRDOW
 L0000142          0   0.69444E-02  412955.3 3728150.5     9.0     5.00    11.63
11.63     YES   HRDOW
 L0000143          0   0.69444E-02  412955.4 3728125.5     8.9     5.00    11.63
11.63     YES   HRDOW
 L0000144          0   0.69444E-02  412955.4 3728100.5     9.2     5.00    11.63
11.63     YES   HRDOW
 L0000145          0   0.11236E-01  411328.8 3722969.6     3.6     5.00    11.63
11.63     YES   HRDOW
 L0000146          0   0.11236E-01  411320.5 3722946.0     3.7     5.00    11.63
11.63     YES   HRDOW
 L0000147          0   0.11236E-01  411312.2 3722922.4     3.8     5.00    11.63
11.63     YES   HRDOW
 L0000148          0   0.11236E-01  411303.9 3722898.8     3.7     5.00    11.63
11.63     YES   HRDOW
 L0000149          0   0.11236E-01  411295.7 3722875.2     3.8     5.00    11.63
11.63     YES   HRDOW
 L0000150          0   0.11236E-01  411287.4 3722851.7     3.9     5.00    11.63
11.63     YES   HRDOW
 L0000151          0   0.11236E-01  411279.1 3722828.1     4.0     5.00    11.63
11.63     YES   HRDOW
 L0000152          0   0.11236E-01  411270.8 3722804.5     4.1     5.00    11.63
11.63     YES   HRDOW
 L0000153          0   0.11236E-01  411262.5 3722780.9     4.3     5.00    11.63
11.63     YES   HRDOW
 L0000154          0   0.11236E-01  411254.3 3722757.3     4.6     5.00    11.63
11.63     YES   HRDOW
 L0000155          0   0.11236E-01  411246.0 3722733.7     4.3     5.00    11.63
11.63     YES   HRDOW
 L0000156          0   0.11236E-01  411237.7 3722710.1     5.4     5.00    11.63
11.63     YES   HRDOW
 L0000157          0   0.11236E-01  411229.4 3722686.5     4.2     5.00    11.63
11.63     YES   HRDOW
 L0000158          0   0.11236E-01  411221.1 3722662.9     3.3     5.00    11.63
11.63     YES   HRDOW
 L0000159          0   0.11236E-01  411212.9 3722639.4     3.0     5.00    11.63
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000161	0	0.11236E-01	411196.3	3722592.2	3.7	5.00	11.63	11.63	YES	HRDOW
L0000162	0	0.11236E-01	411188.0	3722568.6	3.6	5.00	11.63	11.63	YES	HRDOW
L0000163	0	0.11236E-01	411179.7	3722545.0	3.6	5.00	11.63	11.63	YES	HRDOW
L0000164	0	0.11236E-01	411171.5	3722521.4	3.6	5.00	11.63	11.63	YES	HRDOW
L0000165	0	0.11236E-01	411164.4	3722498.4	3.3	5.00	11.63	11.63	YES	HRDOW
L0000166	0	0.11236E-01	411188.0	3722490.0	3.6	5.00	11.63	11.63	YES	HRDOW
L0000167	0	0.11236E-01	411211.2	3722482.2	3.6	5.00	11.63	11.63	YES	HRDOW
L0000168	0	0.11236E-01	411219.1	3722505.9	3.6	5.00	11.63	11.63	YES	HRDOW
L0000169	0	0.11236E-01	411226.9	3722529.6	3.8	5.00	11.63	11.63	YES	HRDOW
L0000170	0	0.11236E-01	411234.8	3722553.4	3.9	5.00	11.63	11.63	YES	HRDOW
L0000171	0	0.11236E-01	411242.6	3722577.1	3.7	5.00	11.63	11.63	YES	HRDOW
L0000172	0	0.11236E-01	411250.5	3722600.8	3.2	5.00	11.63	11.63	YES	HRDOW
L0000173	0	0.11236E-01	411258.3	3722624.6	2.9	5.00	11.63	11.63	YES	HRDOW
L0000174	0	0.11236E-01	411266.2	3722648.3	3.7	5.00	11.63	11.63	YES	HRDOW

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11.63     YES   HRDOW
 L0000175          0   0.11236E-01  411274.0 3722672.0     4.5     5.00    11.63
11.63     YES   HRDOW
 L0000176          0   0.11236E-01  411281.9 3722695.8     4.9     5.00    11.63
11.63     YES   HRDOW
 L0000177          0   0.11236E-01  411289.7 3722719.5     4.8     5.00    11.63
11.63     YES   HRDOW
 L0000178          0   0.11236E-01  411297.6 3722743.2     4.8     5.00    11.63
11.63     YES   HRDOW
 L0000179          0   0.11236E-01  411305.4 3722767.0     4.8     5.00    11.63
11.63     YES   HRDOW
 L0000180          0   0.11236E-01  411313.3 3722790.7     4.2     5.00    11.63
11.63     YES   HRDOW
 L0000181          0   0.11236E-01  411321.1 3722814.4     4.2     5.00    11.63
11.63     YES   HRDOW
 L0000182          0   0.11236E-01  411329.0 3722838.2     3.8     5.00    11.63
11.63     YES   HRDOW
 L0000183          0   0.11236E-01  411336.8 3722861.9     3.6     5.00    11.63
11.63     YES   HRDOW
 L0000184          0   0.11236E-01  411344.7 3722885.6     3.6     5.00    11.63
11.63     YES   HRDOW
 L0000185          0   0.11236E-01  411352.6 3722909.4     3.5     5.00    11.63
11.63     YES   HRDOW
 L0000186          0   0.11236E-01  411360.4 3722933.1     3.6     5.00    11.63
11.63     YES   HRDOW
 L0000187          0   0.11236E-01  411368.3 3722956.9     3.4     5.00    11.63
11.63     YES   HRDOW
 L0000188          0   0.11236E-01  411379.7 3722973.8     3.7     5.00    11.63
11.63     YES   HRDOW
 L0000189          0   0.11236E-01  411403.8 3722967.2     3.8     5.00    11.63
11.63     YES   HRDOW
 L0000190          0   0.11236E-01  411421.5 3722957.2     3.5     5.00    11.63
11.63     YES   HRDOW
 L0000191          0   0.11236E-01  411413.3 3722933.5     3.4     5.00    11.63
11.63     YES   HRDOW
 L0000192          0   0.11236E-01  411405.1 3722909.9     3.6     5.00    11.63
11.63     YES   HRDOW
 L0000193          0   0.11236E-01  411397.0 3722886.3     3.4     5.00    11.63
11.63     YES   HRDOW
 L0000194          0   0.11236E-01  411388.8 3722862.6     3.9     5.00    11.63
11.63     YES   HRDOW
 L0000195          0   0.11236E-01  411380.6 3722839.0     3.8     5.00    11.63
11.63     YES   HRDOW
 L0000196          0   0.11236E-01  411372.5 3722815.4     4.7     5.00    11.63
11.63     YES   HRDOW
 L0000197          0   0.11236E-01  411364.3 3722791.8     4.7     5.00    11.63
11.63     YES   HRDOW
 L0000198          0   0.11236E-01  411356.1 3722768.1     4.9     5.00    11.63
11.63     YES   HRDOW
 L0000199          0   0.11236E-01  411347.9 3722744.5     5.0     5.00    11.63
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000201	0	0.11236E-01	411331.6	3722697.3	4.9	5.00	11.63	11.63	YES	HRDOW
L0000202	0	0.11236E-01	411323.4	3722673.6	4.8	5.00	11.63	11.63	YES	HRDOW
L0000203	0	0.11236E-01	411315.3	3722650.0	4.3	5.00	11.63	11.63	YES	HRDOW
L0000204	0	0.11236E-01	411307.1	3722626.4	3.5	5.00	11.63	11.63	YES	HRDOW
L0000205	0	0.11236E-01	411298.9	3722602.7	3.6	5.00	11.63	11.63	YES	HRDOW
L0000206	0	0.11236E-01	411290.8	3722579.1	3.6	5.00	11.63	11.63	YES	HRDOW
L0000207	0	0.11236E-01	411282.6	3722555.5	3.6	5.00	11.63	11.63	YES	HRDOW
L0000208	0	0.11236E-01	411274.4	3722531.9	3.8	5.00	11.63	11.63	YES	HRDOW
L0000209	0	0.11236E-01	411266.2	3722508.2	4.0	5.00	11.63	11.63	YES	HRDOW
L0000210	0	0.11236E-01	411258.1	3722484.6	3.8	5.00	11.63	11.63	YES	HRDOW
L0000211	0	0.11236E-01	411264.6	3722467.9	3.8	5.00	11.63	11.63	YES	HRDOW
L0000212	0	0.11236E-01	411288.0	3722459.1	3.9	5.00	11.63	11.63	YES	HRDOW
L0000213	0	0.11236E-01	411305.4	3722462.7	3.9	5.00	11.63	11.63	YES	HRDOW
L0000214	0	0.11236E-01	411313.3	3722486.5	3.8	5.00	11.63	11.63	YES	HRDOW

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11.63     YES   HRDOW
 L0000215         0   0.11236E-01  411321.1 3722510.2     3.7     5.00    11.63
11.63     YES   HRDOW
 L0000216         0   0.11236E-01  411328.9 3722533.9     3.3     5.00    11.63
11.63     YES   HRDOW
 L0000217         0   0.11236E-01  411336.8 3722557.7     3.4     5.00    11.63
11.63     YES   HRDOW
 L0000218         0   0.11236E-01  411344.6 3722581.4     3.6     5.00    11.63
11.63     YES   HRDOW
 L0000219         0   0.11236E-01  411352.5 3722605.2     3.0     5.00    11.63
11.63     YES   HRDOW
 L0000220         0   0.11236E-01  411360.3 3722628.9     3.3     5.00    11.63
11.63     YES   HRDOW
 L0000221         0   0.11236E-01  411368.1 3722652.6     4.1     5.00    11.63
11.63     YES   HRDOW
 L0000222         0   0.11236E-01  411376.0 3722676.4     4.7     5.00    11.63
11.63     YES   HRDOW
 L0000223         0   0.11236E-01  411383.8 3722700.1     4.9     5.00    11.63
11.63     YES   HRDOW
 L0000224         0   0.11236E-01  411391.6 3722723.9     4.8     5.00    11.63
11.63     YES   HRDOW
 L0000225         0   0.11236E-01  411399.5 3722747.6     4.6     5.00    11.63
11.63     YES   HRDOW
 L0000226         0   0.11236E-01  411407.3 3722771.3     4.4     5.00    11.63
11.63     YES   HRDOW
 L0000227         0   0.11236E-01  411415.1 3722795.1     4.0     5.00    11.63
11.63     YES   HRDOW
 L0000228         0   0.11236E-01  411423.0 3722818.8     3.8     5.00    11.63
11.63     YES   HRDOW
 L0000229         0   0.11236E-01  411430.8 3722842.6     3.7     5.00    11.63
11.63     YES   HRDOW
 L0000230         0   0.11236E-01  411438.7 3722866.3     3.7     5.00    11.63
11.63     YES   HRDOW
 L0000231         0   0.11236E-01  411446.5 3722890.0     3.8     5.00    11.63
11.63     YES   HRDOW
 L0000232         0   0.11236E-01  411454.3 3722913.8     3.8     5.00    11.63
11.63     YES   HRDOW
 L0000233         0   0.11236E-01  411462.2 3722937.5     3.8     5.00    11.63
11.63     YES   HRDOW
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                        ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        16:48:31

                                  PAGE   8
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                          *** SOURCE IDs DEFINING SOURCE GROUPS ***
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SRCGROUP ID	SOURCE IDs
SRCGP1	L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 ,
	L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 ,
	L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 ,
	L0000025 , L0000026 , L0000027 , L0000028 , L0000029 , L0000030 , L0000031 , L0000032 ,
	L0000033 , L0000034 , L0000035 , L0000036 , L0000037 , L0000038 , L0000039 , L0000040 ,
	L0000041 , L0000042 , L0000043 , L0000044 , L0000045 , L0000046 , L0000047 , L0000048 ,
	L0000049 , L0000050 , L0000051 , L0000052 , L0000053 , L0000054 , L0000055 , L0000056 ,
	L0000057 , L0000058 , L0000059 , L0000060 , L0000061 , L0000062 , L0000063 , L0000064 ,
	L0000065 , L0000066 , L0000067 , L0000068 , L0000069 , L0000070 , L0000071 , L0000072 ,
	L0000073 , L0000074 , L0000075 , L0000076 , L0000077 , L0000078 , L0000079 , L0000080 ,
	L0000081 , L0000082 , L0000083 , L0000084 , L0000085 , L0000086 , L0000087 , L0000088 ,
	L0000089 , L0000090 , L0000091 , L0000092 , L0000093 , L0000094 , L0000095 , L0000096 ,
	L0000097 , L0000098 , L0000099 , L0000100 , L0000101 , L0000102 , L0000103 , L0000104 ,
	L0000105 , L0000106 , L0000107 , L0000108 , L0000109 , L0000110 , L0000111 , L0000112 ,
	L0000113 , L0000114 , L0000115 , L0000116 , L0000117 , L0000118 , L0000119 , L0000120 ,
	L0000121 , L0000122 , L0000123 , L0000124 , L0000125 ,

L0000126   , L0000127   , L0000128   ,

             L0000129   , L0000130   , L0000131   , L0000132   , L0000133   ,
L0000134   , L0000135   , L0000136   ,

             L0000137   , L0000138   , L0000139   , L0000140   , L0000141   ,
L0000142   , L0000143   , L0000144   ,

  SRCGP2   L0000145   , L0000146   , L0000147   , L0000148   , L0000149   ,
L0000150   , L0000151   , L0000152   ,

             L0000153   , L0000154   , L0000155   , L0000156   , L0000157   ,
L0000158   , L0000159   , L0000160   ,

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                                *** SOURCE IDs DEFINING SOURCE GROUPS ***

 SRCGROUP ID   SOURCE IDs
 -----------   ----------

             L0000161   , L0000162   , L0000163   , L0000164   , L0000165   ,
L0000166   , L0000167   , L0000168   ,

             L0000169   , L0000170   , L0000171   , L0000172   , L0000173   ,
L0000174   , L0000175   , L0000176   ,

             L0000177   , L0000178   , L0000179   , L0000180   , L0000181   ,
L0000182   , L0000183   , L0000184   ,

             L0000185   , L0000186   , L0000187   , L0000188   , L0000189   ,
L0000190   , L0000191   , L0000192   ,

             L0000193   , L0000194   , L0000195   , L0000196   , L0000197   ,
L0000198   , L0000199   , L0000200   ,

             L0000201   , L0000202   , L0000203   , L0000204   , L0000205   ,
L0000206   , L0000207   , L0000208   ,

             L0000209   , L0000210   , L0000211   , L0000212   , L0000213   ,
L0000214   , L0000215   , L0000216   ,

             L0000217   , L0000218   , L0000219   , L0000220   , L0000221   ,

L0000222   , L0000223   , L0000224   ,

             L0000225   , L0000226   , L0000227   , L0000228   , L0000229   ,
L0000230   , L0000231   , L0000232   ,

             L0000233   ,

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                          *** SOURCE IDs DEFINED AS URBAN SOURCES
***

  URBAN ID   URBAN POP   SOURCE IDs
  --------   ---------   ----------

              3010232.   L0000001   , L0000002   , L0000003   , L0000004   ,
L0000005   , L0000006   , L0000007   ,
 L0000008   ,

             L0000009   , L0000010   , L0000011   , L0000012   , L0000013   ,
L0000014   , L0000015   , L0000016   ,

             L0000017   , L0000018   , L0000019   , L0000020   , L0000021   ,
L0000022   , L0000023   , L0000024   ,

             L0000025   , L0000026   , L0000027   , L0000028   , L0000029   ,
L0000030   , L0000031   , L0000032   ,

             L0000033   , L0000034   , L0000035   , L0000036   , L0000037   ,
L0000038   , L0000039   , L0000040   ,

             L0000041   , L0000042   , L0000043   , L0000044   , L0000045   ,
L0000046   , L0000047   , L0000048   ,

             L0000049   , L0000050   , L0000051   , L0000052   , L0000053   ,
L0000054   , L0000055   , L0000056   ,

             L0000057   , L0000058   , L0000059   , L0000060   , L0000061   ,
L0000062   , L0000063   , L0000064   ,

             L0000065   , L0000066   , L0000067   , L0000068   , L0000069   ,
L0000070   , L0000071   , L0000072   ,

```
             L0000073    , L0000074    , L0000075    , L0000076    , L0000077    ,
L0000078    , L0000079    , L0000080    ,

             L0000081    , L0000082    , L0000083    , L0000084    , L0000085    ,
L0000086    , L0000087    , L0000088    ,

             L0000089    , L0000090    , L0000091    , L0000092    , L0000093    ,
L0000094    , L0000095    , L0000096    ,

             L0000097    , L0000098    , L0000099    , L0000100    , L0000101    ,
L0000102    , L0000103    , L0000104    ,

             L0000105    , L0000106    , L0000107    , L0000108    , L0000109    ,
L0000110    , L0000111    , L0000112    ,

             L0000113    , L0000114    , L0000115    , L0000116    , L0000117    ,
L0000118    , L0000119    , L0000120    ,

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L0000126    , L0000127    , L0000128    ,

             L0000129    , L0000130    , L0000131    , L0000132    , L0000133    ,
L0000134    , L0000135    , L0000136    ,

             L0000137    , L0000138    , L0000139    , L0000140    , L0000141    ,
L0000142    , L0000143    , L0000144    ,

             L0000145    , L0000146    , L0000147    , L0000148    , L0000149    ,
L0000150    , L0000151    , L0000152    ,

             L0000153    , L0000154    , L0000155    , L0000156    , L0000157    ,
L0000158    , L0000159    , L0000160    ,
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                         ***        16:48:31

                                    PAGE  11
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                          *** SOURCE IDs DEFINED AS URBAN SOURCES
***

  URBAN ID   URBAN POP                                    SOURCE IDs
  --------   ---------                                    ----------


             L0000161    , L0000162    , L0000163    , L0000164    , L0000165    ,
L0000166    , L0000167    , L0000168    ,
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000001 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.9000E+01	10	.9000E+01	11	.9000E+01	12	.9000E+01	13	.0000E+00	14	.9000E+01	15	.9000E+01	16	.9000E+01
17	.9000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                         ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        16:48:31

                                  PAGE  13
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000002     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000003   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

                                                  DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .9000E+01   10 .9000E+01   11 .9000E+01   12 .9000E+01   13 .0000E+00   14 .9000E+01   15 .9000E+01   16 .9000E+01
   17 .9000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000004   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR

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HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000005     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
```

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    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***       05/26/20
 *** AERMET - VERSION  16216 ***   ***
                         ***       16:48:31

                                   PAGE  17
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000006     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***       05/26/20
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                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000007   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
                                                    DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .9000E+01   10 .9000E+01   11 .9000E+01   12 .9000E+01   13 .0000E+00   14 .9000E+01   15 .9000E+01   16 .9000E+01
   17 .9000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000008   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

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- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                  DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                        ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        16:48:31

                                  PAGE  20
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000009     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                  DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
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   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                         ***       16:48:31

                                    PAGE  21
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000010     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                         ***       16:48:31
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                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000011   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
                                                    DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .9000E+01   10 .9000E+01   11 .9000E+01   12 .9000E+01   13 .0000E+00   14 .9000E+01   15 .9000E+01   16 .9000E+01
   17 .9000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000012   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
                                                    DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000014 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000015 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.9000E+01	10	.9000E+01	11	.9000E+01	12	.9000E+01	13	.0000E+00	14	.9000E+01	15	.9000E+01	16	.9000E+01
17	.9000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000016 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00

```
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***       05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        16:48:31

                                  PAGE  28
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000017     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
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6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000018   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .9000E+01   10 .9000E+01   11 .9000E+01   12 .9000E+01   13 .0000E+00
14 .9000E+01   15 .9000E+01   16 .9000E+01
   17 .9000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000019 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.9000E+01	10	.9000E+01	11	.9000E+01	12	.9000E+01	13	.0000E+00	14	.9000E+01	15	.9000E+01	16	.9000E+01
17	.9000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000020 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.9000E+01	10	.9000E+01	11	.9000E+01	12	.9000E+01	13	.0000E+00	14	.9000E+01	15	.9000E+01	16	.9000E+01

```
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***       05/26/20
 *** AERMET - VERSION  16216 ***   ***
                         ***       16:48:31

                                   PAGE  32
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000021     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
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                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000022   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .9000E+01   10 .9000E+01   11 .9000E+01   12 .9000E+01   13 .0000E+00
14 .9000E+01   15 .9000E+01   16 .9000E+01
   17 .9000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

```
 SOURCE ID = L0000023     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        16:48:31

                                   PAGE  35
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000024     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000025   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .9000E+01   10 .9000E+01   11 .9000E+01   12 .9000E+01   13 .0000E+00
14 .9000E+01   15 .9000E+01   16 .9000E+01
   17 .9000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000026   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
                                                    DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .9000E+01   10 .9000E+01   11 .9000E+01   12 .9000E+01   13 .0000E+00   14 .9000E+01   15 .9000E+01   16 .9000E+01
   17 .9000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000027   ; SOURCE TYPE = VOLUME   :

```
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                        ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***       16:48:31

                                  PAGE  39
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000028     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
```

6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000029   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .9000E+01   10 .9000E+01   11 .9000E+01   12 .9000E+01   13 .0000E+00
14 .9000E+01   15 .9000E+01   16 .9000E+01
   17 .9000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000030   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .9000E+01   10 .9000E+01   11 .9000E+01   12 .9000E+01   13 .0000E+00
14 .9000E+01   15 .9000E+01   16 .9000E+01
   17 .9000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000031   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR

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 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION  19191 ***    *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                         ***        05/26/20
 *** AERMET - VERSION  16216 ***    ***
                       ***        16:48:31

                                   PAGE  43
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000032     ; SOURCE TYPE = VOLUME    :
  HOUR    SCALAR    HOUR    SCALAR    HOUR    SCALAR    HOUR    SCALAR    HOUR    SCALAR
HOUR    SCALAR    HOUR    SCALAR    HOUR    SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
```

```
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                       ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        16:48:31

                                  PAGE  44
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000033     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                       ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000034 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.9000E+01	10	.9000E+01	11	.9000E+01	12	.9000E+01	13	.0000E+00	14	.9000E+01	15	.9000E+01	16	.9000E+01
17	.9000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000035 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000036 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00

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22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000037     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000038 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.9000E+01	10	.9000E+01	11	.9000E+01	12	.9000E+01	13	.0000E+00	14	.9000E+01	15	.9000E+01	16	.9000E+01
17	.9000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000039 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00

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6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                       ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                      ***        16:48:31

                                  PAGE  51
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000040     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
```

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                       ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                      ***        16:48:31

                                  PAGE  52
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000041     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                       ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                      ***        16:48:31

                                  PAGE  53
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
```

SOURCE ID = L0000042 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.9000E+01	10	.9000E+01	11	.9000E+01	12	.9000E+01	13	.0000E+00	14	.9000E+01	15	.9000E+01	16	.9000E+01
17	.9000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000043 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.9000E+01	10	.9000E+01	11	.9000E+01	12	.9000E+01	13	.0000E+00						

```
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                       ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                      ***        16:48:31

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000044     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
```

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000045 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF

WEEK (HRDOW) *

 SOURCE ID = L0000046   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .9000E+01   10 .9000E+01   11 .9000E+01   12 .9000E+01   13 .0000E+00
14 .9000E+01   15 .9000E+01   16 .9000E+01
   17 .9000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000047   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .9000E+01   10 .9000E+01   11 .9000E+01   12 .9000E+01   13 .0000E+00
14 .9000E+01   15 .9000E+01   16 .9000E+01
   17 .9000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00

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22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                         ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        16:48:31

                                  PAGE  59
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000048     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
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   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000049     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

```
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *
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 SOURCE ID = L0000050     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                       ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                      ***        16:48:31

                                  PAGE  62
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000051     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
```

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                        ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        16:48:31

                                  PAGE  63
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000052     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000053   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

                                                  DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .9000E+01   10 .9000E+01   11 .9000E+01   12 .9000E+01   13 .0000E+00   14 .9000E+01   15 .9000E+01   16 .9000E+01
   17 .9000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000054   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR

HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000055 ; SOURCE TYPE = VOLUME :

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00

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    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                       ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                      ***        16:48:31

                                  PAGE  67
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000056     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                       ***        05/26/20
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                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000057   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
                                                    DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .9000E+01   10 .9000E+01   11 .9000E+01   12 .9000E+01   13 .0000E+00   14 .9000E+01   15 .9000E+01   16 .9000E+01
   17 .9000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000058   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

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- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                    DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                        ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                      ***        16:48:31

                                  PAGE  70
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000059     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                    DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
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   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                         ***        16:48:31

                                    PAGE  71
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000060     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                         ***        16:48:31
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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000061 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.9000E+01	10	.9000E+01	11	.9000E+01	12	.9000E+01	13	.0000E+00	14	.9000E+01	15	.9000E+01	16	.9000E+01
17	.9000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000062 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                        ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***       16:48:31

                                  PAGE  74
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000063     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000064 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000065 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.9000E+01	10	.9000E+01	11	.9000E+01	12	.9000E+01	13	.0000E+00	14	.9000E+01	15	.9000E+01	16	.9000E+01
17	.9000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000066 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00

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    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
♠ *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                         ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        16:48:31

                                   PAGE  78
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000067     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
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6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000068   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .9000E+01   10 .9000E+01   11 .9000E+01   12 .9000E+01   13 .0000E+00
14 .9000E+01   15 .9000E+01   16 .9000E+01
   17 .9000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

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                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000069     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                         ***       05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***       16:48:31

                                 PAGE  81
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000070     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
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   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                        ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***       16:48:31

                                  PAGE  82
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000071     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
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                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000072   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .9000E+01   10 .9000E+01   11 .9000E+01   12 .9000E+01   13 .0000E+00
14 .9000E+01   15 .9000E+01   16 .9000E+01
   17 .9000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

```
 SOURCE ID = L0000073     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                        ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                      ***        16:48:31

                                  PAGE  85
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000074     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000075   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .9000E+01   10 .9000E+01   11 .9000E+01   12 .9000E+01   13 .0000E+00
14 .9000E+01   15 .9000E+01   16 .9000E+01
   17 .9000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000076   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
                                                    DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .9000E+01   10 .9000E+01   11 .9000E+01   12 .9000E+01   13 .0000E+00   14 .9000E+01   15 .9000E+01   16 .9000E+01
   17 .9000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000077   ; SOURCE TYPE = VOLUME   :

```
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                        ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        16:48:31

                                   PAGE  89
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000078     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
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6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000079   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .9000E+01   10 .9000E+01   11 .9000E+01   12 .9000E+01   13 .0000E+00
14 .9000E+01   15 .9000E+01   16 .9000E+01
   17 .9000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000080   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                 DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .9000E+01   10 .9000E+01   11 .9000E+01   12 .9000E+01   13 .0000E+00
14 .9000E+01   15 .9000E+01   16 .9000E+01
   17 .9000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000081   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR

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 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
🡅 *** AERMOD - VERSION  19191 ***    *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***       05/26/20
 *** AERMET - VERSION  16216 ***   ***
                        ***       16:48:31

                                    PAGE  93
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000082     ; SOURCE TYPE = VOLUME    :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
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14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                        ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        16:48:31

                                  PAGE  94
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000083     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                        ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
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                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000084   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .9000E+01   10 .9000E+01   11 .9000E+01   12 .9000E+01   13 .0000E+00   14 .9000E+01   15 .9000E+01   16 .9000E+01
   17 .9000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000085   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000086   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .9000E+01   10 .9000E+01   11 .9000E+01   12 .9000E+01   13 .0000E+00
14 .9000E+01   15 .9000E+01   16 .9000E+01
   17 .9000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00

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22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                       ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        16:48:31

                                  PAGE  98
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000087     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                       ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        16:48:31
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000088 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.9000E+01	10	.9000E+01	11	.9000E+01	12	.9000E+01	13	.0000E+00	14	.9000E+01	15	.9000E+01	16	.9000E+01
17	.9000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000089 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00

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6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                        ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        16:48:31

                                  PAGE 101
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000090     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
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    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                       ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                      ***        16:48:31

                                  PAGE 102
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000091     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                       ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                      ***        16:48:31

                                  PAGE 103
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000092   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
                                                    DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .9000E+01   10 .9000E+01   11 .9000E+01   12 .9000E+01   13 .0000E+00   14 .9000E+01   15 .9000E+01   16 .9000E+01
   17 .9000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000093   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
                                                    DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .9000E+01   10 .9000E+01   11 .9000E+01   12 .9000E+01   13 .0000E+00

14 .9000E+01   15 .9000E+01   16 .9000E+01
   17 .9000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000094   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                          DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .9000E+01   10 .9000E+01   11 .9000E+01   12 .9000E+01   13 .0000E+00
14 .9000E+01   15 .9000E+01   16 .9000E+01
   17 .9000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00

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    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                         ***       16:48:31

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000095     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                         ***       16:48:31

                                   PAGE 107
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
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WEEK (HRDOW) *

 SOURCE ID = L0000096     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00   
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                         ***       05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***       16:48:31

                                   PAGE 108
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000097     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00   
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
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22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                         ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        16:48:31

                                  PAGE 109
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000098     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
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   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                         ***       05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***       16:48:31

                                 PAGE 110
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000099     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                         ***       05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***       16:48:31

                                 PAGE 111
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *
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 SOURCE ID = L0000100     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                        ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        16:48:31

                                  PAGE 112
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000101     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
```

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                         ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                      ***        16:48:31

                                  PAGE 113
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000102     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
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                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000103   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

                                                  DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .9000E+01   10 .9000E+01   11 .9000E+01   12 .9000E+01   13 .0000E+00   14 .9000E+01   15 .9000E+01   16 .9000E+01
   17 .9000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000104   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR

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HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***       05/26/20
 *** AERMET - VERSION  16216 ***   ***
                        ***       16:48:31

                                    PAGE 116
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000105     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
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```
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***       05/26/20
 *** AERMET - VERSION  16216 ***   ***
                         ***       16:48:31

                                   PAGE 117
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000106     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***       05/26/20
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                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000107   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
                                                    DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .9000E+01   10 .9000E+01   11 .9000E+01   12 .9000E+01   13 .0000E+00   14 .9000E+01   15 .9000E+01   16 .9000E+01
   17 .9000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000108   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

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- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                    DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                        ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                      ***        16:48:31

                                  PAGE 120
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000109     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                    DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
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   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        16:48:31

                                  PAGE 121
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000110     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        16:48:31
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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000111 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.9000E+01	10	.9000E+01	11	.9000E+01	12	.9000E+01	13	.0000E+00	14	.9000E+01	15	.9000E+01	16	.9000E+01
17	.9000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000112 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                        ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***       16:48:31

                                  PAGE 124
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000113     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
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1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000114 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000115 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.9000E+01	10	.9000E+01	11	.9000E+01	12	.9000E+01	13	.0000E+00	14	.9000E+01	15	.9000E+01	16	.9000E+01
17	.9000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000116 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00

```
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***       05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        16:48:31

                                  PAGE 128
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000117     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
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6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000118   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .9000E+01   10 .9000E+01   11 .9000E+01   12 .9000E+01   13 .0000E+00
14 .9000E+01   15 .9000E+01   16 .9000E+01
   17 .9000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

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                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000119     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                         ***       16:48:31

                                   PAGE 131
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000120     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
```

```
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***       05/26/20
 *** AERMET - VERSION  16216 ***   ***
                         ***       16:48:31

                                   PAGE 132
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000121     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
```

14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000122   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .9000E+01   10 .9000E+01   11 .9000E+01   12 .9000E+01   13 .0000E+00
14 .9000E+01   15 .9000E+01   16 .9000E+01
   17 .9000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

```
 SOURCE ID = L0000123     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        16:48:31

                                   PAGE 135
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000124     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
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                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000125   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .9000E+01   10 .9000E+01   11 .9000E+01   12 .9000E+01   13 .0000E+00
14 .9000E+01   15 .9000E+01   16 .9000E+01
   17 .9000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000126   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
                                                  DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .9000E+01   10 .9000E+01   11 .9000E+01   12 .9000E+01   13 .0000E+00   14 .9000E+01   15 .9000E+01   16 .9000E+01
   17 .9000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000127   ; SOURCE TYPE = VOLUME   :

```
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                        ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***       16:48:31

                                  PAGE 139
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000128     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
```

6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000129   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .9000E+01   10 .9000E+01   11 .9000E+01   12 .9000E+01   13 .0000E+00
14 .9000E+01   15 .9000E+01   16 .9000E+01
   17 .9000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000130 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.9000E+01	10	.9000E+01	11	.9000E+01	12	.9000E+01	13	.0000E+00	14	.9000E+01	15	.9000E+01	16	.9000E+01
17	.9000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000131 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

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 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
🡅 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***       05/26/20
 *** AERMET - VERSION  16216 ***   ***
                        ***       16:48:31

                                    PAGE 143
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000132     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
```

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14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                        ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        16:48:31

                                  PAGE 144
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000133     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                        ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000134 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.9000E+01	10	.9000E+01	11	.9000E+01	12	.9000E+01	13	.0000E+00	14	.9000E+01	15	.9000E+01	16	.9000E+01
17	.9000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000135 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000136   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .9000E+01   10 .9000E+01   11 .9000E+01   12 .9000E+01   13 .0000E+00
14 .9000E+01   15 .9000E+01   16 .9000E+01
   17 .9000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00

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22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                       ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        16:48:31

                                  PAGE 148
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000137     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                       ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        16:48:31
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000138 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.9000E+01	10	.9000E+01	11	.9000E+01	12	.9000E+01	13	.0000E+00	14	.9000E+01	15	.9000E+01	16	.9000E+01
17	.9000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000139 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00

6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .9000E+01   10 .9000E+01   11 .9000E+01   12 .9000E+01   13 .0000E+00
14 .9000E+01   15 .9000E+01   16 .9000E+01
   17 .9000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000140   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .9000E+01   10 .9000E+01   11 .9000E+01   12 .9000E+01   13 .0000E+00
14 .9000E+01   15 .9000E+01   16 .9000E+01
   17 .9000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY

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    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                       ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                      ***        16:48:31

                                  PAGE 152
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000141     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                       ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                      ***        16:48:31

                                  PAGE 153
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
```

```
                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000142     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

```
                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000143     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
```

14 .9000E+01   15 .9000E+01   16 .9000E+01
   17 .9000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000144   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                          DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .9000E+01   10 .9000E+01   11 .9000E+01   12 .9000E+01   13 .0000E+00
14 .9000E+01   15 .9000E+01   16 .9000E+01
   17 .9000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000145   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .9000E+01   10 .9000E+01   11 .9000E+01   12 .9000E+01   13 .0000E+00
14 .9000E+01   15 .9000E+01   16 .9000E+01
   17 .9000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF

```
WEEK (HRDOW) *

 SOURCE ID = L0000146     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                        ***        16:48:31

                                  PAGE 158
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000147     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
```

22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000148   ; SOURCE TYPE = VOLUME   :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .9000E+01   10 .9000E+01   11 .9000E+01   12 .9000E+01   13 .0000E+00
14 .9000E+01   15 .9000E+01   16 .9000E+01
17 .9000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00

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   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***       05/26/20
 *** AERMET - VERSION  16216 ***   ***
                        ***       16:48:31

                                    PAGE 160
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000149     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***       05/26/20
 *** AERMET - VERSION  16216 ***   ***
                        ***       16:48:31

                                    PAGE 161
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *
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```
 SOURCE ID = L0000150     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                       ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                      ***        16:48:31

                                 PAGE 162
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000151     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
```

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                         ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                      ***        16:48:31

                                  PAGE 163
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000152     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
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                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000153   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

                                                  DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .9000E+01   10 .9000E+01   11 .9000E+01   12 .9000E+01   13 .0000E+00   14 .9000E+01   15 .9000E+01   16 .9000E+01
   17 .9000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                  DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                                                  DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000154   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR

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HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                         ***       05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***       16:48:31

                                    PAGE 166
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000155     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
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    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***       05/26/20
 *** AERMET - VERSION  16216 ***   ***
                         ***       16:48:31

                                   PAGE 167
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000156     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***       05/26/20
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                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000157   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
                                                    DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .9000E+01   10 .9000E+01   11 .9000E+01   12 .9000E+01   13 .0000E+00   14 .9000E+01   15 .9000E+01   16 .9000E+01
   17 .9000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000158   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

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   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                         ***        16:48:31

                                    PAGE 171
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000160     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                         ***        16:48:31
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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000161 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.9000E+01	10	.9000E+01	11	.9000E+01	12	.9000E+01	13	.0000E+00	14	.9000E+01	15	.9000E+01	16	.9000E+01
17	.9000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000162 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															

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    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                        ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***       16:48:31

                                  PAGE 174
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000163     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000164 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00
14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000165 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.9000E+01	10	.9000E+01	11	.9000E+01	12	.9000E+01	13	.0000E+00	14	.9000E+01	15	.9000E+01	16	.9000E+01
17	.9000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000166 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00

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    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                       ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                      ***        16:48:31

                                  PAGE 178
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000167     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
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6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000168   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .9000E+01   10 .9000E+01   11 .9000E+01   12 .9000E+01   13 .0000E+00
14 .9000E+01   15 .9000E+01   16 .9000E+01
   17 .9000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

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                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000169     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                         ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        16:48:31

                                  PAGE 181
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000170     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
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                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000171   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .9000E+01   10 .9000E+01   11 .9000E+01   12 .9000E+01   13 .0000E+00
14 .9000E+01   15 .9000E+01   16 .9000E+01
   17 .9000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00

14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000172   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .9000E+01   10 .9000E+01   11 .9000E+01   12 .9000E+01   13 .0000E+00
14 .9000E+01   15 .9000E+01   16 .9000E+01
   17 .9000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

```
 SOURCE ID = L0000173     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                        ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                      ***        16:48:31

                                  PAGE 185
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000174     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000176   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
                                                    DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .9000E+01   10 .9000E+01   11 .9000E+01   12 .9000E+01   13 .0000E+00   14 .9000E+01   15 .9000E+01   16 .9000E+01
   17 .9000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000177   ; SOURCE TYPE = VOLUME   :

```
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                        ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        16:48:31

                                   PAGE 189
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000178     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
```

6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000179   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .9000E+01   10 .9000E+01   11 .9000E+01   12 .9000E+01   13 .0000E+00
14 .9000E+01   15 .9000E+01   16 .9000E+01
   17 .9000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000180 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.9000E+01	10	.9000E+01	11	.9000E+01	12	.9000E+01	13	.0000E+00	14	.9000E+01	15	.9000E+01	16	.9000E+01
17	.9000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000181 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

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 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION  19191 ***    *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                         ***       05/26/20
 *** AERMET - VERSION  16216 ***    ***
                       ***       16:48:31

                                  PAGE 193
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000182     ; SOURCE TYPE = VOLUME    :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
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14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                          ***       16:48:31

                                    PAGE 194
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000183     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000184 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.9000E+01	10	.9000E+01	11	.9000E+01	12	.9000E+01	13	.0000E+00	14	.9000E+01	15	.9000E+01	16	.9000E+01
17	.9000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000185 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000186   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .9000E+01   10 .9000E+01   11 .9000E+01   12 .9000E+01   13 .0000E+00
14 .9000E+01   15 .9000E+01   16 .9000E+01
   17 .9000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00

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22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000187     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000188 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .9000E+01 10 .9000E+01 11 .9000E+01 12 .9000E+01 13 .0000E+00 14 .9000E+01 15 .9000E+01 16 .9000E+01
17 .9000E+01 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000189 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00

6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .9000E+01   10 .9000E+01   11 .9000E+01   12 .9000E+01   13 .0000E+00
14 .9000E+01   15 .9000E+01   16 .9000E+01
   17 .9000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000190   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .9000E+01   10 .9000E+01   11 .9000E+01   12 .9000E+01   13 .0000E+00
14 .9000E+01   15 .9000E+01   16 .9000E+01
   17 .9000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY

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    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                       ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                      ***        16:48:31

                                  PAGE 202
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000191     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
*** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                       ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                      ***        16:48:31

                                  PAGE 203
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000192     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***       05/26/20
 *** AERMET - VERSION  16216 ***   ***
                        ***       16:48:31

                                    PAGE 204
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000193     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
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14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                       ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                      ***        16:48:31

                                PAGE 205
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000194     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
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    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                         ***       16:48:31

                                   PAGE 206
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000195     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                         ***       16:48:31

                                   PAGE 207
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
```

WEEK (HRDOW) *

 SOURCE ID = L0000196   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .9000E+01   10 .9000E+01   11 .9000E+01   12 .9000E+01   13 .0000E+00
14 .9000E+01   15 .9000E+01   16 .9000E+01
   17 .9000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000197   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .9000E+01   10 .9000E+01   11 .9000E+01   12 .9000E+01   13 .0000E+00
14 .9000E+01   15 .9000E+01   16 .9000E+01
   17 .9000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00

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22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                         ***       16:48:31

                                   PAGE 209
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000198     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                            DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
```

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   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                         ***       05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***       16:48:31

                                 PAGE 210
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000199     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                         ***       05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***       16:48:31

                                 PAGE 211
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *
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 SOURCE ID = L0000200     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                        ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        16:48:31

                                  PAGE 212
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000201     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
```

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        16:48:31

                                  PAGE 213
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000202     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
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                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000203   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

                                                  DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .9000E+01   10 .9000E+01   11 .9000E+01   12 .9000E+01   13 .0000E+00   14 .9000E+01   15 .9000E+01   16 .9000E+01
   17 .9000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000204   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR

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HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                         ***       05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***       16:48:31

                                   PAGE 216
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000205     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
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    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***       05/26/20
 *** AERMET - VERSION  16216 ***   ***
                         ***       16:48:31

                                   PAGE 217
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000206     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***       05/26/20
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                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000207   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
                                                    DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .9000E+01   10 .9000E+01   11 .9000E+01   12 .9000E+01   13 .0000E+00   14 .9000E+01   15 .9000E+01   16 .9000E+01
   17 .9000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000208   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -

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- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                  DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                        ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                      ***        16:48:31

                                  PAGE 220
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000209     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                  DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
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   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                         ***        16:48:31

                                    PAGE 221
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000210     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                         ***        16:48:31
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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000211 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.9000E+01	10	.9000E+01	11	.9000E+01	12	.9000E+01	13	.0000E+00	14	.9000E+01	15	.9000E+01	16	.9000E+01
17	.9000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000212 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															

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    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                        ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***       16:48:31

                                  PAGE 224
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000213     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```



```
                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000214     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000215 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.9000E+01	10	.9000E+01	11	.9000E+01	12	.9000E+01	13	.0000E+00	14	.9000E+01	15	.9000E+01	16	.9000E+01
17	.9000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000216 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00

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    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***       05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        16:48:31

                                  PAGE 228
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000217     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
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6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000218   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .9000E+01   10 .9000E+01   11 .9000E+01   12 .9000E+01   13 .0000E+00
14 .9000E+01   15 .9000E+01   16 .9000E+01
   17 .9000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000219 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.9000E+01	10	.9000E+01	11	.9000E+01	12	.9000E+01	13	.0000E+00	14	.9000E+01	15	.9000E+01	16	.9000E+01
17	.9000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = L0000220 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.9000E+01	10	.9000E+01	11	.9000E+01	12	.9000E+01	13	.0000E+00	14	.9000E+01	15	.9000E+01	16	.9000E+01

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   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                         ***       16:48:31

                                   PAGE 232
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000221     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
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14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000222   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .9000E+01   10 .9000E+01   11 .9000E+01   12 .9000E+01   13 .0000E+00
14 .9000E+01   15 .9000E+01   16 .9000E+01
   17 .9000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

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 SOURCE ID = L0000223     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↟ *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                         ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        16:48:31

                                  PAGE 235
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000224     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
```

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000225   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .9000E+01   10 .9000E+01   11 .9000E+01   12 .9000E+01   13 .0000E+00
14 .9000E+01   15 .9000E+01   16 .9000E+01
   17 .9000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00

22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000226   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
                                                    DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .9000E+01   10 .9000E+01   11 .9000E+01   12 .9000E+01   13 .0000E+00   14 .9000E+01   15 .9000E+01   16 .9000E+01
   17 .9000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                    DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

 SOURCE ID = L0000227   ; SOURCE TYPE = VOLUME   :

```
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                         ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                        ***       16:48:31

                                   PAGE 239
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000228     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                                 DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
```

6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000229   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .9000E+01   10 .9000E+01   11 .9000E+01   12 .9000E+01   13 .0000E+00
14 .9000E+01   15 .9000E+01   16 .9000E+01
   17 .9000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000230   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
- -
                                                  DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .9000E+01   10 .9000E+01   11 .9000E+01   12 .9000E+01   13 .0000E+00
14 .9000E+01   15 .9000E+01   16 .9000E+01
   17 .9000E+01   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00
                                                  DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
6 .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
14 .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00
22 .0000E+00   23 .0000E+00   24 .0000E+00

                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000231   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR

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 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
↑ *** AERMOD - VERSION  19191 ***    *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***        05/26/20
 *** AERMET - VERSION  16216 ***    ***
                        ***        16:48:31

                                    PAGE 243
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                  * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000232     ; SOURCE TYPE = VOLUME    :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
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14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                          ***       16:48:31

                                    PAGE 244
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF
WEEK (HRDOW) *

 SOURCE ID = L0000233     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .9000E+01   10  .9000E+01   11  .9000E+01   12  .9000E+01   13  .0000E+00
14  .9000E+01   15  .9000E+01   16  .9000E+01
   17  .9000E+01   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00
6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00
14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00
22  .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(406928.5, 3720437.0, 0.0, 0.0, 0.0); (407433.3, 3720437.0, 0.0, 0.0, 0.0);
(407938.0, 3720437.0, 0.0, 0.0, 0.0); (408442.8, 3720437.0, 0.0, 0.0, 0.0);
(408947.5, 3720437.0, 0.0, 0.0, 0.0); (409452.3, 3720437.0, 0.0, 0.0, 0.0);
(409957.0, 3720437.0, 0.0, 0.0, 0.0); (410461.8, 3720437.0, 0.0, 0.0, 0.0);
(410966.5, 3720437.0, 0.0, 0.0, 0.0); (411471.3, 3720437.0, 0.2, 0.2, 0.0);
(411976.0, 3720437.0, 0.1, 0.1, 0.0); (412480.8, 3720437.0, 0.0, 0.0, 0.0);
(412985.5, 3720437.0, 3.5, 3.5, 0.0); (413490.3, 3720437.0, 2.1, 3.0, 0.0);
(413995.0, 3720437.0, 0.3, 0.3, 0.0); (414499.8, 3720437.0, 4.1, 28.5, 0.0);
(415004.5, 3720437.0, 25.8, 25.8, 0.0); (415509.3, 3720437.0, 24.8, 24.8, 0.0);
(416014.0, 3720437.0, 25.5, 25.5, 0.0); (416518.8, 3720437.0, 0.3, 27.0, 0.0);
(417023.5, 3720437.0, 0.9, 0.9, 0.0); (406928.5, 3720940.9, 0.0, 0.0, 0.0);
(407433.3, 3720940.9, 0.0, 0.0, 0.0); (407938.0, 3720940.9, 0.0, 0.0, 0.0);
(408442.8, 3720940.9, 0.0, 0.0, 0.0); (408947.5, 3720940.9, 0.0, 0.0, 0.0);
(409452.3, 3720940.9, 0.0, 0.0, 0.0); (409957.0, 3720940.9, 0.0, 0.0, 0.0);
(410461.8, 3720940.9, 0.0, 0.0, 0.0); (410966.5, 3720940.9, 0.0, 0.0, 0.0);
(411471.3, 3720940.9, 1.2, 1.2, 0.0); (411976.0, 3720940.9, 4.0, 4.0, 0.0);
(412480.8, 3720940.9, 2.5, 21.0, 0.0); (412985.5, 3720940.9, 17.5, 18.4, 0.0);
(413490.3, 3720940.9, 33.8, 33.8, 0.0); (413995.0, 3720940.9, 19.5, 22.0, 0.0);
(414499.8, 3720940.9, 27.0, 27.0, 0.0); (415004.5, 3720940.9, 28.4, 28.4, 0.0);
(415509.3, 3720940.9, 26.4, 26.4, 0.0); (416014.0, 3720940.9, 24.4, 24.4, 0.0);
(416518.8, 3720940.9, 24.9, 24.9, 0.0); (417023.5,

```
3720940.9,       4.2,      32.0,       0.0);
     ( 406928.5, 3721444.8,       0.0,       0.0,       0.0);         ( 407433.3,
3721444.8,       0.0,       0.0,       0.0);
     ( 407938.0, 3721444.8,       0.0,       0.0,       0.0);         ( 408442.8,
3721444.8,       0.0,       0.0,       0.0);
     ( 408947.5, 3721444.8,       0.0,       0.0,       0.0);         ( 409452.3,
3721444.8,       0.0,       0.0,       0.0);
     ( 409957.0, 3721444.8,       0.0,       0.0,       0.0);         ( 410461.8,
3721444.8,       1.2,       1.2,       0.0);
     ( 410966.5, 3721444.8,       1.2,       1.2,       0.0);         ( 411471.3,
3721444.8,       3.9,       3.9,       0.0);
     ( 411976.0, 3721444.8,       3.1,       3.1,       0.0);         ( 412480.8,
3721444.8,      16.7,      17.8,       0.0);
     ( 412985.5, 3721444.8,      32.0,      32.0,       0.0);         ( 413490.3,
3721444.8,      30.8,      30.8,       0.0);
     ( 413995.0, 3721444.8,      25.3,      25.3,       0.0);         ( 414499.8,
3721444.8,      29.3,      29.3,       0.0);
     ( 415004.5, 3721444.8,      29.5,      29.5,       0.0);         ( 415509.3,
3721444.8,      28.6,      28.6,       0.0);
     ( 416014.0, 3721444.8,      26.5,      26.5,       0.0);         ( 416518.8,
3721444.8,      25.6,      25.6,       0.0);
     ( 417023.5, 3721444.8,      28.3,      28.3,       0.0);         ( 406928.5,
3721948.7,       0.0,       0.0,       0.0);
     ( 407433.3, 3721948.7,       0.0,       0.0,       0.0);         ( 407938.0,
3721948.7,       0.0,       0.0,       0.0);
     ( 408442.8, 3721948.7,       0.0,       0.0,       0.0);         ( 408947.5,
3721948.7,       0.0,       0.0,       0.0);
     ( 409452.3, 3721948.7,       0.3,       0.3,       0.0);         ( 409957.0,
3721948.7,       0.0,       0.0,       0.0);
     ( 410461.8, 3721948.7,       3.8,       3.8,       0.0);         ( 410966.5,
3721948.7,       1.7,       1.7,       0.0);
     ( 411471.3, 3721948.7,       1.6,       1.6,       0.0);         ( 411976.0,
3721948.7,       3.5,      25.5,       0.0);
     ( 412480.8, 3721948.7,      29.6,      29.6,       0.0);         ( 412985.5,
3721948.7,      33.3,      33.3,       0.0);
     ( 413490.3, 3721948.7,      33.3,      33.3,       0.0);         ( 413995.0,
3721948.7,      28.9,      28.9,       0.0);
     ( 414499.8, 3721948.7,      27.2,      27.2,       0.0);         ( 415004.5,
3721948.7,      29.3,      29.3,       0.0);
     ( 415509.3, 3721948.7,      28.1,      28.1,       0.0);         ( 416014.0,
3721948.7,      26.4,      26.4,       0.0);
     ( 416518.8, 3721948.7,      26.4,      26.4,       0.0);         ( 417023.5,
3721948.7,      30.4,      30.4,       0.0);
     ( 406928.5, 3722452.7,       0.0,       0.0,       0.0);         ( 407433.3,
3722452.7,       0.0,       0.0,       0.0);
     ( 407938.0, 3722452.7,       0.0,       0.0,       0.0);         ( 408442.8,
3722452.7,       0.0,       0.0,       0.0);
     ( 408947.5, 3722452.7,       0.2,       0.2,       0.0);         ( 409452.3,
3722452.7,       1.2,       1.2,       0.0);
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(409957.0, 3722452.7, 3.8, 3.8, 0.0); (410461.8, 3722452.7, 1.6, 1.6, 0.0);
(411471.3, 3722452.7, 1.7, 1.7, 0.0); (411976.0, 3722452.7, 2.1, 2.1, 0.0);
(412480.8, 3722452.7, 29.2, 29.2, 0.0); (412985.5, 3722452.7, 31.9, 31.9, 0.0);
(413490.3, 3722452.7, 31.7, 31.7, 0.0); (413995.0, 3722452.7, 27.5, 27.5, 0.0);
(414499.8, 3722452.7, 30.4, 30.4, 0.0); (415004.5, 3722452.7, 30.2, 30.2, 0.0);
(415509.3, 3722452.7, 29.4, 29.4, 0.0); (416014.0, 3722452.7, 26.5, 26.5, 0.0);
(416518.8, 3722452.7, 26.5, 26.5, 0.0); (417023.5, 3722452.7, 29.2, 29.2, 0.0);
(406928.5, 3722956.6, 0.0, 0.0, 0.0); (407433.3, 3722956.6, 0.0, 0.0, 0.0);
(407938.0, 3722956.6, 1.2, 1.2, 0.0); (408442.8, 3722956.6, 1.2, 1.2, 0.0);
(408947.5, 3722956.6, 4.2, 4.2, 0.0); (409452.3, 3722956.6, 1.5, 1.5, 0.0);
(409957.0, 3722956.6, 2.9, 2.9, 0.0); (410461.8, 3722956.6, 2.1, 2.1, 0.0);
(410966.5, 3722956.6, 1.8, 1.8, 0.0); (411976.0, 3722956.6, 3.3, 3.3, 0.0);
(412480.8, 3722956.6, 24.9, 24.9, 0.0); (412985.5, 3722956.6, 31.1, 31.1, 0.0);
(413490.3, 3722956.6, 32.6, 32.6, 0.0); (413995.0, 3722956.6, 30.6, 30.6, 0.0);
(414499.8, 3722956.6, 28.1, 28.1, 0.0); (415004.5, 3722956.6, 28.4, 28.4, 0.0);
(415509.3, 3722956.6, 27.5, 27.5, 0.0); (416014.0, 3722956.6, 26.0, 26.0, 0.0);
(416518.8, 3722956.6, 26.6, 26.6, 0.0); (417023.5, 3722956.6, 20.6, 20.6, 0.0);
(406928.5, 3723460.5, 0.0, 0.0, 0.0); (407433.3, 3723460.5, 0.0, 0.0, 0.0);
(407938.0, 3723460.5, 1.2, 1.2, 0.0); (408442.8, 3723460.5, 3.8, 3.8, 0.0);
(408947.5, 3723460.5, 1.8, 1.8, 0.0); (409452.3,

```
3723460.5,       3.6,       3.6,       0.0);
     ( 409957.0, 3723460.5,       2.2,       2.2,       0.0);         ( 410461.8,
3723460.5,       1.6,       1.6,       0.0);
     ( 410966.5, 3723460.5,       2.5,       2.5,       0.0);         ( 411471.3,
3723460.5,       2.1,       2.1,       0.0);
     ( 411976.0, 3723460.5,       2.8,       2.8,       0.0);         ( 412480.8,
3723460.5,       7.5,      27.8,       0.0);
     ( 412985.5, 3723460.5,      27.8,      28.0,       0.0);         ( 413490.3,
3723460.5,      30.2,      30.2,       0.0);
     ( 413995.0, 3723460.5,      28.7,      28.7,       0.0);         ( 414499.8,
3723460.5,      26.0,      26.0,       0.0);
     ( 415004.5, 3723460.5,      26.6,      26.6,       0.0);         ( 415509.3,
3723460.5,      26.5,      26.5,       0.0);
     ( 416014.0, 3723460.5,      26.9,      26.9,       0.0);         ( 416518.8,
3723460.5,      25.4,      25.4,       0.0);
     ( 417023.5, 3723460.5,      20.3,      20.3,       0.0);         ( 406928.5,
3723964.4,       0.0,       0.0,       0.0);
     ( 407433.3, 3723964.4,       0.0,       0.0,       0.0);         ( 407938.0,
3723964.4,       3.9,       8.2,       0.0);
     ( 408442.8, 3723964.4,       1.6,       1.6,       0.0);         ( 408947.5,
3723964.4,       2.7,       2.7,       0.0);
     ( 409452.3, 3723964.4,       1.3,       1.3,       0.0);         ( 409957.0,
3723964.4,       1.4,       1.4,       0.0);
     ( 410461.8, 3723964.4,       1.8,       1.8,       0.0);         ( 410966.5,
3723964.4,       2.2,       2.2,       0.0);
     ( 411471.3, 3723964.4,       2.4,       2.4,       0.0);         ( 411976.0,
3723964.4,      13.1,      27.8,       0.0);
     ( 412480.8, 3723964.4,      26.9,      26.9,       0.0);         ( 412985.5,
3723964.4,      27.2,      27.2,       0.0);
     ( 413490.3, 3723964.4,      27.4,      27.4,       0.0);         ( 413995.0,
3723964.4,      26.3,      26.3,       0.0);
     ( 414499.8, 3723964.4,      26.0,      26.0,       0.0);         ( 415004.5,
3723964.4,      25.7,      25.7,       0.0);
     ( 415509.3, 3723964.4,      25.9,      25.9,       0.0);         ( 416014.0,
3723964.4,      26.2,      26.2,       0.0);
     ( 416518.8, 3723964.4,      25.6,      25.6,       0.0);         ( 417023.5,
3723964.4,      19.9,      19.9,       0.0);
     ( 406928.5, 3724468.3,       0.0,       0.0,       0.0);         ( 407433.3,
3724468.3,       9.6,       9.6,       0.0);
     ( 407938.0, 3724468.3,       2.7,       2.7,       0.0);         ( 408442.8,
3724468.3,       2.0,       2.0,       0.0);
     ( 408947.5, 3724468.3,       1.8,       1.8,       0.0);         ( 409452.3,
3724468.3,       1.8,       1.8,       0.0);
     ( 409957.0, 3724468.3,       1.9,       1.9,       0.0);         ( 410461.8,
3724468.3,       3.9,       3.9,       0.0);
     ( 410966.5, 3724468.3,       2.3,       2.3,       0.0);         ( 411471.3,
3724468.3,       2.2,       2.2,       0.0);
     ( 411976.0, 3724468.3,       1.7,       7.2,       0.0);         ( 412480.8,
3724468.3,      24.9,      24.9,       0.0);
     ( 412985.5, 3724468.3,      24.9,      24.9,       0.0);         ( 413490.3,
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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(413995.0, 3724468.3, 25.4, 25.4, 0.0); (414499.8, 3724468.3, 24.7, 24.7, 0.0);
(415004.5, 3724468.3, 23.9, 23.9, 0.0); (415509.3, 3724468.3, 24.5, 24.5, 0.0);
(416014.0, 3724468.3, 25.2, 25.2, 0.0); (416518.8, 3724468.3, 24.7, 24.7, 0.0);
(417023.5, 3724468.3, 21.1, 21.1, 0.0); (406928.5, 3724972.3, 11.1, 11.1, 0.0);
(407433.3, 3724972.3, 11.9, 11.9, 0.0); (407938.0, 3724972.3,   7.9,   7.9, 0.0);
(408442.8, 3724972.3,   2.6,   2.6, 0.0); (408947.5, 3724972.3,   1.6,   1.6, 0.0);
(409452.3, 3724972.3,   2.0,   2.0, 0.0); (409957.0, 3724972.3,   2.0,   2.0, 0.0);
(410461.8, 3724972.3,   2.4,   2.4, 0.0); (410966.5, 3724972.3,   2.7,   2.7, 0.0);
(411471.3, 3724972.3,   3.1,   3.1, 0.0); (411976.0, 3724972.3,   6.5,   8.3, 0.0);
(412480.8, 3724972.3,   3.6, 25.8, 0.0); (412985.5, 3724972.3, 24.5, 24.5, 0.0);
(413490.3, 3724972.3, 22.6, 22.6, 0.0); (413995.0, 3724972.3, 24.5, 24.5, 0.0);
(414499.8, 3724972.3, 23.8, 23.8, 0.0); (415004.5, 3724972.3, 22.5, 23.2, 0.0);
(415509.3, 3724972.3, 23.3, 23.3, 0.0); (416014.0, 3724972.3, 23.9, 23.9, 0.0);
(416518.8, 3724972.3, 22.1, 22.1, 0.0); (417023.5, 3724972.3, 21.6, 21.6, 0.0);
(406928.5, 3725476.2,   9.8,   9.8, 0.0); (407433.3, 3725476.2, 11.6, 11.6, 0.0);
(407938.0, 3725476.2, 10.9, 10.9, 0.0); (408442.8, 3725476.2,   2.3,   2.3, 0.0);
(408947.5, 3725476.2,   2.2,   2.2, 0.0); (409452.3, 3725476.2,   2.1,   2.1, 0.0);
(409957.0, 3725476.2,   2.1,   2.1, 0.0); (410461.8, 3725476.2,   1.7,   1.7, 0.0);
(410966.5, 3725476.2,   2.3,   2.3, 0.0); (411471.3,

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3725476.2,       2.7,       2.7,       0.0);
     ( 411976.0, 3725476.2,       3.4,       3.4,       0.0);         ( 412480.8,
3725476.2,       4.3,       4.3,       0.0);
     ( 412985.5, 3725476.2,      10.0,      24.6,       0.0);         ( 413490.3,
3725476.2,      21.4,      21.4,       0.0);
     ( 413995.0, 3725476.2,      22.4,      22.4,       0.0);         ( 414499.8,
3725476.2,      22.2,      22.2,       0.0);
     ( 415004.5, 3725476.2,      21.1,      21.1,       0.0);         ( 415509.3,
3725476.2,      22.1,      22.1,       0.0);
     ( 416014.0, 3725476.2,      21.8,      21.8,       0.0);         ( 416518.8,
3725476.2,      19.9,      19.9,       0.0);
     ( 417023.5, 3725476.2,      12.2,      19.4,       0.0);         ( 406928.5,
3725980.1,      16.7,      16.7,       0.0);
     ( 407433.3, 3725980.1,      11.1,      11.1,       0.0);         ( 407938.0,
3725980.1,      10.5,      10.5,       0.0);
     ( 408442.8, 3725980.1,       4.3,       4.3,       0.0);         ( 408947.5,
3725980.1,       2.5,       2.5,       0.0);
     ( 409452.3, 3725980.1,       2.3,       2.3,       0.0);         ( 409957.0,
3725980.1,       2.4,       2.4,       0.0);
     ( 410461.8, 3725980.1,       2.6,       2.6,       0.0);         ( 410966.5,
3725980.1,       2.9,       2.9,       0.0);
     ( 411471.3, 3725980.1,       3.5,       3.5,       0.0);         ( 411976.0,
3725980.1,       3.9,       3.9,       0.0);
     ( 412480.8, 3725980.1,       5.3,       5.3,       0.0);         ( 412985.5,
3725980.1,       5.6,       5.6,       0.0);
     ( 413490.3, 3725980.1,      20.4,      20.4,       0.0);         ( 413995.0,
3725980.1,      20.4,      20.4,       0.0);
     ( 414499.8, 3725980.1,      19.6,      19.6,       0.0);         ( 415004.5,
3725980.1,      20.1,      20.1,       0.0);
     ( 415509.3, 3725980.1,      20.0,      20.0,       0.0);         ( 416014.0,
3725980.1,      19.0,      19.0,       0.0);
     ( 416518.8, 3725980.1,      16.5,      16.5,       0.0);         ( 417023.5,
3725980.1,      16.6,      23.0,       0.0);
     ( 406928.5, 3726484.0,      14.4,      14.4,       0.0);         ( 407433.3,
3726484.0,      12.9,      12.9,       0.0);
     ( 407938.0, 3726484.0,      12.0,      12.0,       0.0);         ( 408442.8,
3726484.0,      13.5,      13.5,       0.0);
     ( 408947.5, 3726484.0,       3.0,       3.0,       0.0);         ( 409452.3,
3726484.0,       3.1,       3.1,       0.0);
     ( 409957.0, 3726484.0,       2.7,       2.7,       0.0);         ( 410461.8,
3726484.0,       2.8,       2.8,       0.0);
     ( 410966.5, 3726484.0,       3.8,       3.8,       0.0);         ( 411471.3,
3726484.0,       3.9,       3.9,       0.0);
     ( 411976.0, 3726484.0,       4.4,       4.4,       0.0);         ( 412480.8,
3726484.0,       3.0,       5.0,       0.0);
     ( 412985.5, 3726484.0,       6.7,       6.7,       0.0);         ( 413490.3,
3726484.0,      19.5,      19.5,       0.0);
     ( 413995.0, 3726484.0,      18.7,      18.7,       0.0);         ( 414499.8,
3726484.0,      16.7,      16.7,       0.0);
     ( 415004.5, 3726484.0,      17.7,      17.7,       0.0);         ( 415509.3,
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3726484.0,   17.4,   17.4,   0.0);
     (416014.0, 3726484.0,   15.4,   15.4,   0.0);   (416518.8,
3726484.0,   14.2,   14.2,   0.0);

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                            (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                        (METERS)

     (417023.5, 3726484.0,   12.9,   12.9,   0.0);   (406928.5,
3726987.9,   22.0,   22.0,   0.0);
     (407433.3, 3726987.9,   16.7,   27.9,   0.0);   (407938.0,
3726987.9,   15.0,   15.0,   0.0);
     (408442.8, 3726987.9,   16.5,   16.5,   0.0);   (408947.5,
3726987.9,   2.6,   2.6,   0.0);
     (409452.3, 3726987.9,   3.9,   3.9,   0.0);   (409957.0,
3726987.9,   3.0,   3.0,   0.0);
     (410461.8, 3726987.9,   3.5,   3.5,   0.0);   (410966.5,
3726987.9,   3.9,   3.9,   0.0);
     (411471.3, 3726987.9,   3.3,   3.3,   0.0);   (411976.0,
3726987.9,   4.9,   4.9,   0.0);
     (412480.8, 3726987.9,   7.2,   8.8,   0.0);   (412985.5,
3726987.9,   11.6,   15.8,   0.0);
     (413490.3, 3726987.9,   17.3,   17.3,   0.0);   (413995.0,
3726987.9,   16.4,   16.4,   0.0);
     (414499.8, 3726987.9,   15.3,   15.3,   0.0);   (415004.5,
3726987.9,   15.4,   15.4,   0.0);
     (415509.3, 3726987.9,   14.4,   14.4,   0.0);   (416014.0,
3726987.9,   14.3,   14.3,   0.0);
     (416518.8, 3726987.9,   12.9,   12.9,   0.0);   (417023.5,
3726987.9,   13.0,   13.0,   0.0);
     (406928.5, 3727491.9,   30.1,   30.1,   0.0);   (407433.3,
3727491.9,   20.8,   20.8,   0.0);
     (407938.0, 3727491.9,   15.8,   15.8,   0.0);   (408442.8,
3727491.9,   18.0,   18.0,   0.0);
     (408947.5, 3727491.9,   17.4,   17.4,   0.0);   (409452.3,
3727491.9,   4.2,   4.2,   0.0);
     (409957.0, 3727491.9,   3.5,   3.5,   0.0);   (410461.8,
3727491.9,   2.8,   2.8,   0.0);
     (410966.5, 3727491.9,   4.2,   4.2,   0.0);   (411471.3,
3727491.9,   3.3,   3.3,   0.0);
     (411976.0, 3727491.9,   5.9,   5.9,   0.0);   (412480.8,
3727491.9,   6.5,   6.5,   0.0);
     (412985.5, 3727491.9,   5.6,   5.6,   0.0);   (413490.3,

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3727491.9,      14.3,      14.3,       0.0);
     ( 413995.0, 3727491.9,      13.9,      13.9,       0.0);         ( 414499.8,
3727491.9,      13.0,      13.0,       0.0);
     ( 415004.5, 3727491.9,      11.8,      11.8,       0.0);         ( 415509.3,
3727491.9,      10.8,      10.8,       0.0);
     ( 416014.0, 3727491.9,       9.8,       9.8,       0.0);         ( 416518.8,
3727491.9,      10.6,      10.6,       0.0);
     ( 417023.5, 3727491.9,      12.0,      15.8,       0.0);         ( 406928.5,
3727995.8,      20.7,      20.7,       0.0);
     ( 407433.3, 3727995.8,      20.8,      20.8,       0.0);         ( 407938.0,
3727995.8,      16.7,      16.7,       0.0);
     ( 408442.8, 3727995.8,      18.4,      18.4,       0.0);         ( 408947.5,
3727995.8,      18.9,      18.9,       0.0);
     ( 409452.3, 3727995.8,       4.6,       4.6,       0.0);         ( 409957.0,
3727995.8,       4.6,       4.6,       0.0);
     ( 410461.8, 3727995.8,       4.9,       4.9,       0.0);         ( 410966.5,
3727995.8,       5.0,       5.0,       0.0);
     ( 411471.3, 3727995.8,       5.3,       5.3,       0.0);         ( 411976.0,
3727995.8,       6.2,       6.2,       0.0);
     ( 412985.5, 3727995.8,       4.4,      11.3,       0.0);         ( 413490.3,
3727995.8,      11.4,      11.4,       0.0);
     ( 413995.0, 3727995.8,      10.9,      10.9,       0.0);         ( 414499.8,
3727995.8,      10.6,      10.6,       0.0);
     ( 415004.5, 3727995.8,      18.8,      18.8,       0.0);         ( 415509.3,
3727995.8,      10.1,      10.1,       0.0);
     ( 416014.0, 3727995.8,       7.6,      15.1,       0.0);         ( 416518.8,
3727995.8,       9.8,      15.8,       0.0);
     ( 417023.5, 3727995.8,       9.9,       9.9,       0.0);         ( 406928.5,
3728499.7,       9.0,      15.8,       0.0);
     ( 407433.3, 3728499.7,      13.5,      13.5,       0.0);         ( 407938.0,
3728499.7,      17.4,      17.4,       0.0);
     ( 408442.8, 3728499.7,      18.5,      18.5,       0.0);         ( 408947.5,
3728499.7,       4.6,      17.9,       0.0);
     ( 409452.3, 3728499.7,       5.2,       5.2,       0.0);         ( 409957.0,
3728499.7,       4.8,       4.8,       0.0);
     ( 410461.8, 3728499.7,       4.8,       4.8,       0.0);         ( 410966.5,
3728499.7,       6.0,       6.0,       0.0);
     ( 411471.3, 3728499.7,       5.5,       5.5,       0.0);         ( 411976.0,
3728499.7,       6.5,       6.5,       0.0);
     ( 412480.8, 3728499.7,       7.8,       7.8,       0.0);         ( 413490.3,
3728499.7,       8.8,       8.8,       0.0);
     ( 413995.0, 3728499.7,       9.8,       9.8,       0.0);         ( 414499.8,
3728499.7,       9.1,       9.1,       0.0);
     ( 415004.5, 3728499.7,      10.4,      10.4,       0.0);         ( 415509.3,
3728499.7,      10.2,      10.2,       0.0);
     ( 416014.0, 3728499.7,       9.3,       9.3,       0.0);         ( 416518.8,
3728499.7,      10.8,      10.8,       0.0);
     ( 417023.5, 3728499.7,      10.4,      10.4,       0.0);         ( 406928.5,
3729003.6,      15.4,      15.4,       0.0);
     ( 407433.3, 3729003.6,      18.1,      18.1,       0.0);         ( 407938.0,
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3729003.6, 18.2, 18.2, 0.0);
     (408442.8, 3729003.6, 18.0, 18.0, 0.0); (408947.5,
3729003.6, 16.8, 16.8, 0.0);
     (409452.3, 3729003.6, 6.5, 6.5, 0.0); (409957.0,
3729003.6, 5.5, 5.5, 0.0);

                                  *** DISCRETE CARTESIAN RECEPTORS ***
                                (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                        (METERS)

     (410461.8, 3729003.6, 4.3, 4.3, 0.0); (410966.5,
3729003.6, 6.6, 6.6, 0.0);
     (411471.3, 3729003.6, 7.5, 7.5, 0.0); (411976.0,
3729003.6, 7.1, 7.1, 0.0);
     (412480.8, 3729003.6, 7.7, 7.7, 0.0); (412985.5,
3729003.6, 9.0, 9.0, 0.0);
     (413490.3, 3729003.6, 7.5, 12.8, 0.0); (413995.0,
3729003.6, 10.6, 10.6, 0.0);
     (414499.8, 3729003.6, 10.7, 10.7, 0.0); (415004.5,
3729003.6, 10.8, 10.8, 0.0);
     (415509.3, 3729003.6, 10.1, 10.1, 0.0); (416014.0,
3729003.6, 10.1, 10.1, 0.0);
     (416518.8, 3729003.6, 10.9, 10.9, 0.0); (417023.5,
3729003.6, 10.8, 10.8, 0.0);
     (406928.5, 3729507.5, 11.8, 11.8, 0.0); (407433.3,
3729507.5, 16.4, 16.4, 0.0);
     (407938.0, 3729507.5, 14.7, 14.7, 0.0); (408442.8,
3729507.5, 13.2, 13.2, 0.0);
     (408947.5, 3729507.5, 12.7, 14.5, 0.0); (409452.3,
3729507.5, 7.5, 7.5, 0.0);
     (409957.0, 3729507.5, 6.6, 6.6, 0.0); (410461.8,
3729507.5, 6.5, 6.5, 0.0);
     (410966.5, 3729507.5, 7.5, 7.5, 0.0); (411471.3,
3729507.5, 7.8, 7.8, 0.0);
     (411976.0, 3729507.5, 9.7, 17.5, 0.0); (412480.8,
3729507.5, 8.5, 8.5, 0.0);
     (412985.5, 3729507.5, 9.4, 9.4, 0.0); (413490.3,
3729507.5, 10.3, 10.3, 0.0);
     (413995.0, 3729507.5, 11.4, 11.4, 0.0); (414499.8,
3729507.5, 11.0, 11.0, 0.0);
     (415004.5, 3729507.5, 11.6, 11.6, 0.0); (415509.3,
3729507.5, 11.1, 11.1, 0.0);
     (416014.0, 3729507.5, 11.7, 11.7, 0.0); (416518.8,

```
3729507.5,      13.4,      13.4,       0.0);
     ( 417023.5, 3729507.5,      12.3,      12.3,       0.0);         ( 406928.5,
3730011.5,      -1.6,      -1.6,       0.0);
     ( 407433.3, 3730011.5,       8.1,       8.1,       0.0);         ( 407938.0,
3730011.5,       9.3,       9.3,       0.0);
     ( 408442.8, 3730011.5,       9.1,       9.1,       0.0);         ( 408947.5,
3730011.5,       9.1,       9.1,       0.0);
     ( 409452.3, 3730011.5,       7.8,       7.8,       0.0);         ( 409957.0,
3730011.5,       7.4,       7.4,       0.0);
     ( 410461.8, 3730011.5,       8.1,       8.1,       0.0);         ( 410966.5,
3730011.5,       8.9,       8.9,       0.0);
     ( 411471.3, 3730011.5,      10.2,      10.2,       0.0);         ( 411976.0,
3730011.5,       8.4,       8.4,       0.0);
     ( 412480.8, 3730011.5,       9.2,       9.2,       0.0);         ( 412985.5,
3730011.5,       8.7,       8.7,       0.0);
     ( 413490.3, 3730011.5,      11.2,      11.2,       0.0);         ( 413995.0,
3730011.5,      12.4,      12.4,       0.0);
     ( 414499.8, 3730011.5,      12.3,      12.3,       0.0);         ( 415004.5,
3730011.5,      12.3,      12.3,       0.0);
     ( 415509.3, 3730011.5,      12.6,      12.6,       0.0);         ( 416014.0,
3730011.5,      12.4,      12.4,       0.0);
     ( 416518.8, 3730011.5,      12.1,      12.1,       0.0);         ( 417023.5,
3730011.5,      10.8,      10.8,       0.0);
     ( 406928.5, 3730515.4,       2.7,       2.7,       0.0);         ( 407433.3,
3730515.4,      11.2,      11.2,       0.0);
     ( 407938.0, 3730515.4,      11.4,      11.4,       0.0);         ( 408442.8,
3730515.4,       9.4,       9.4,       0.0);
     ( 408947.5, 3730515.4,       7.3,       7.3,       0.0);         ( 409452.3,
3730515.4,       8.4,       8.4,       0.0);
     ( 409957.0, 3730515.4,       8.0,       8.0,       0.0);         ( 410461.8,
3730515.4,       8.7,       8.7,       0.0);
     ( 410966.5, 3730515.4,      10.0,      10.0,       0.0);         ( 411471.3,
3730515.4,      10.0,      10.0,       0.0);
     ( 411976.0, 3730515.4,      10.2,      10.2,       0.0);         ( 412480.8,
3730515.4,      11.0,      11.0,       0.0);
     ( 412985.5, 3730515.4,      10.1,      10.1,       0.0);         ( 413490.3,
3730515.4,      11.7,      11.7,       0.0);
     ( 413995.0, 3730515.4,      12.5,      12.5,       0.0);         ( 414499.8,
3730515.4,      13.4,      13.4,       0.0);
     ( 415004.5, 3730515.4,      13.7,      13.7,       0.0);         ( 415509.3,
3730515.4,      12.8,      12.8,       0.0);
     ( 416014.0, 3730515.4,      13.3,      13.3,       0.0);         ( 416518.8,
3730515.4,      12.2,      12.2,       0.0);
     ( 417023.5, 3730515.4,      13.2,      13.2,       0.0);         ( 410498.8,
3722355.3,       1.6,       1.6,       0.0);
     ( 410518.8, 3722355.3,       1.6,       1.6,       0.0);         ( 410538.8,
3722355.3,       1.6,       1.6,       0.0);
     ( 410558.8, 3722355.3,       1.7,       1.7,       0.0);         ( 410578.8,
3722355.3,       1.7,       1.7,       0.0);
     ( 410598.8, 3722355.3,       2.5,       2.5,       0.0);         ( 410618.8,
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3722355.3, 1.7, 1.7, 0.0);
     (410638.8, 3722355.3, 1.7, 3.0, 0.0); (410658.8,
3722355.3, 3.0, 3.0, 0.0);
     (410678.8, 3722355.3, 3.4, 3.4, 0.0); (410698.8,
3722355.3, 3.3, 3.3, 0.0);
     (410718.8, 3722355.3, 3.3, 3.3, 0.0); (410738.8,
3722355.3, 2.6, 2.6, 0.0);

                                  *** DISCRETE CARTESIAN RECEPTORS ***
                                (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                          (METERS)

     (410498.8, 3722375.3, 1.6, 1.6, 0.0); (410518.8,
3722375.3, 1.6, 1.6, 0.0);
     (410538.8, 3722375.3, 1.6, 1.6, 0.0); (410558.8,
3722375.3, 1.8, 1.8, 0.0);
     (410578.8, 3722375.3, 2.5, 2.5, 0.0); (410598.8,
3722375.3, 1.7, 1.7, 0.0);
     (410618.8, 3722375.3, 1.7, 3.3, 0.0); (410638.8,
3722375.3, 3.1, 3.1, 0.0);
     (410658.8, 3722375.3, 3.5, 3.5, 0.0); (410678.8,
3722375.3, 3.2, 3.2, 0.0);
     (410698.8, 3722375.3, 2.9, 2.9, 0.0); (410718.8,
3722375.3, 3.3, 3.3, 0.0);
     (410738.8, 3722375.3, 3.2, 3.2, 0.0); (410758.8,
3722375.3, 2.3, 2.3, 0.0);
     (410498.8, 3722395.3, 1.6, 1.6, 0.0); (410518.8,
3722395.3, 1.6, 1.6, 0.0);
     (410538.8, 3722395.3, 1.6, 1.6, 0.0); (410558.8,
3722395.3, 2.3, 2.3, 0.0);
     (410578.8, 3722395.3, 1.7, 1.7, 0.0); (410598.8,
3722395.3, 1.7, 1.7, 0.0);
     (410618.8, 3722395.3, 3.0, 3.3, 0.0); (410638.8,
3722395.3, 3.6, 3.6, 0.0);
     (410658.8, 3722395.3, 3.4, 3.4, 0.0); (410678.8,
3722395.3, 3.0, 3.0, 0.0);
     (410698.8, 3722395.3, 3.0, 3.0, 0.0); (410718.8,
3722395.3, 2.9, 2.9, 0.0);
     (410738.8, 3722395.3, 3.3, 3.3, 0.0); (410758.8,
3722395.3, 3.0, 3.0, 0.0);
     (410778.8, 3722395.3, 2.3, 2.3, 0.0); (410498.8,
3722415.3, 1.8, 1.8, 0.0);
     (410518.8, 3722415.3, 1.6, 1.6, 0.0); (410538.8,

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3722415.3,       2.1,       2.1,       0.0);
     ( 410558.8, 3722415.3,       1.9,       1.9,       0.0);         ( 410578.8,
3722415.3,       1.6,       1.6,       0.0);
     ( 410598.8, 3722415.3,       2.7,       3.4,       0.0);         ( 410618.8,
3722415.3,       3.6,       3.6,       0.0);
     ( 410638.8, 3722415.3,       3.5,       3.5,       0.0);         ( 410658.8,
3722415.3,       3.1,       3.1,       0.0);
     ( 410678.8, 3722415.3,       3.3,       3.3,       0.0);         ( 410698.8,
3722415.3,       3.3,       3.3,       0.0);
     ( 410718.8, 3722415.3,       2.8,       2.8,       0.0);         ( 410738.8,
3722415.3,       3.0,       3.0,       0.0);
     ( 410758.8, 3722415.3,       3.3,       3.3,       0.0);         ( 410778.8,
3722415.3,       2.7,       2.7,       0.0);
     ( 410798.8, 3722415.3,       2.2,       2.2,       0.0);         ( 410498.8,
3722435.3,       1.7,       1.7,       0.0);
     ( 410518.8, 3722435.3,       2.0,       2.0,       0.0);         ( 410538.8,
3722435.3,       2.1,       2.1,       0.0);
     ( 410558.8, 3722435.3,       1.6,       1.6,       0.0);         ( 410578.8,
3722435.3,       2.3,       3.4,       0.0);
     ( 410598.8, 3722435.3,       3.6,       3.6,       0.0);         ( 410618.8,
3722435.3,       3.5,       3.5,       0.0);
     ( 410638.8, 3722435.3,       3.1,       3.1,       0.0);         ( 410658.8,
3722435.3,       3.4,       3.4,       0.0);
     ( 410678.8, 3722435.3,       3.6,       3.6,       0.0);         ( 410698.8,
3722435.3,       3.4,       3.4,       0.0);
     ( 410718.8, 3722435.3,       3.0,       3.0,       0.0);         ( 410738.8,
3722435.3,       2.8,       2.8,       0.0);
     ( 410758.8, 3722435.3,       3.2,       3.2,       0.0);         ( 410778.8,
3722435.3,       3.3,       3.3,       0.0);
     ( 410798.8, 3722435.3,       2.2,       2.2,       0.0);         ( 410818.8,
3722435.3,       2.2,       2.2,       0.0);
     ( 410498.8, 3722455.3,       1.6,       1.6,       0.0);         ( 410518.8,
3722455.3,       2.3,       2.3,       0.0);
     ( 410538.8, 3722455.3,       1.7,       1.7,       0.0);         ( 410558.8,
3722455.3,       2.0,       3.3,       0.0);
     ( 410578.8, 3722455.3,       3.5,       3.5,       0.0);         ( 410598.8,
3722455.3,       3.5,       3.5,       0.0);
     ( 410618.8, 3722455.3,       3.1,       3.1,       0.0);         ( 410638.8,
3722455.3,       3.2,       3.2,       0.0);
     ( 410658.8, 3722455.3,       3.6,       3.6,       0.0);         ( 410678.8,
3722455.3,       3.7,       3.7,       0.0);
     ( 410698.8, 3722455.3,       3.3,       3.3,       0.0);         ( 410718.8,
3722455.3,       3.0,       3.0,       0.0);
     ( 410738.8, 3722455.3,       2.8,       2.8,       0.0);         ( 410758.8,
3722455.3,       3.3,       3.3,       0.0);
     ( 410778.8, 3722455.3,       2.7,       2.7,       0.0);         ( 410798.8,
3722455.3,       1.9,       1.9,       0.0);
     ( 410818.8, 3722455.3,       2.0,       2.0,       0.0);         ( 410838.8,
3722455.3,       2.2,       2.2,       0.0);
     ( 410498.8, 3722475.3,       1.9,       1.9,       0.0);         ( 410518.8,
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3722475.3, 1.8, 1.8, 0.0);
     (410538.8, 3722475.3, 1.7, 1.7, 0.0); (410558.8,
3722475.3, 3.1, 3.1, 0.0);
     (410578.8, 3722475.3, 3.5, 3.5, 0.0); (410598.8,
3722475.3, 3.2, 3.2, 0.0);
     (410618.8, 3722475.3, 3.0, 3.0, 0.0); (410638.8,
3722475.3, 3.5, 3.5, 0.0);
     (410658.8, 3722475.3, 3.5, 3.5, 0.0); (410678.8,
3722475.3, 3.6, 3.6, 0.0);

                                  *** DISCRETE CARTESIAN RECEPTORS ***
                                (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                          (METERS)

     (410698.8, 3722475.3, 3.2, 3.2, 0.0); (410718.8,
3722475.3, 2.9, 2.9, 0.0);
     (410738.8, 3722475.3, 2.8, 2.8, 0.0); (410758.8,
3722475.3, 3.2, 3.2, 0.0);
     (410778.8, 3722475.3, 2.0, 2.0, 0.0); (410798.8,
3722475.3, 2.1, 2.1, 0.0);
     (410818.8, 3722475.3, 2.4, 2.4, 0.0); (410838.8,
3722475.3, 2.1, 2.1, 0.0);
     (410498.8, 3722495.3, 1.9, 1.9, 0.0); (410518.8,
3722495.3, 1.7, 1.7, 0.0);
     (410538.8, 3722495.3, 2.7, 2.7, 0.0); (410558.8,
3722495.3, 3.5, 3.5, 0.0);
     (410578.8, 3722495.3, 3.3, 3.3, 0.0); (410598.8,
3722495.3, 3.0, 3.0, 0.0);
     (410618.8, 3722495.3, 3.2, 3.2, 0.0); (410638.8,
3722495.3, 3.1, 3.1, 0.0);
     (410658.8, 3722495.3, 3.3, 3.3, 0.0); (410678.8,
3722495.3, 3.7, 3.7, 0.0);
     (410698.8, 3722495.3, 3.2, 3.2, 0.0); (410718.8,
3722495.3, 2.8, 2.8, 0.0);
     (410738.8, 3722495.3, 2.8, 2.8, 0.0); (410758.8,
3722495.3, 2.9, 2.9, 0.0);
     (410778.8, 3722495.3, 1.9, 1.9, 0.0); (410798.8,
3722495.3, 2.3, 2.3, 0.0);
     (410818.8, 3722495.3, 2.5, 2.5, 0.0); (410838.8,
3722495.3, 2.3, 2.3, 0.0);
     (410858.8, 3722495.3, 2.2, 2.2, 0.0); (410498.8,
3722515.3, 1.7, 1.7, 0.0);
     (410518.8, 3722515.3, 2.3, 3.5, 0.0); (410538.8,

```
3722515.3,       3.5,       3.5,       0.0);
     ( 410558.8, 3722515.3,       3.4,       3.4,       0.0);         ( 410578.8,
3722515.3,       2.9,       2.9,       0.0);
     ( 410598.8, 3722515.3,       3.3,       3.3,       0.0);         ( 410618.8,
3722515.3,       3.5,       3.5,       0.0);
     ( 410638.8, 3722515.3,       3.4,       3.4,       0.0);         ( 410658.8,
3722515.3,       3.5,       3.5,       0.0);
     ( 410678.8, 3722515.3,       3.7,       3.7,       0.0);         ( 410698.8,
3722515.3,       3.1,       3.1,       0.0);
     ( 410718.8, 3722515.3,       2.7,       2.7,       0.0);         ( 410738.8,
3722515.3,       2.8,       2.8,       0.0);
     ( 410758.8, 3722515.3,       2.8,       2.8,       0.0);         ( 410778.8,
3722515.3,       1.8,       1.8,       0.0);
     ( 410798.8, 3722515.3,       2.3,       2.3,       0.0);         ( 410818.8,
3722515.3,       2.7,       2.7,       0.0);
     ( 410838.8, 3722515.3,       2.6,       2.6,       0.0);         ( 410858.8,
3722515.3,       2.3,       2.3,       0.0);
     ( 410878.8, 3722515.3,       2.3,       2.3,       0.0);         ( 410498.8,
3722535.3,       1.9,       1.9,       0.0);
     ( 410518.8, 3722535.3,       3.3,       3.3,       0.0);         ( 410538.8,
3722535.3,       3.4,       3.4,       0.0);
     ( 410558.8, 3722535.3,       3.1,       3.1,       0.0);         ( 410578.8,
3722535.3,       3.0,       3.0,       0.0);
     ( 410598.8, 3722535.3,       3.4,       3.4,       0.0);         ( 410618.8,
3722535.3,       3.6,       3.6,       0.0);
     ( 410638.8, 3722535.3,       3.6,       3.6,       0.0);         ( 410658.8,
3722535.3,       3.6,       3.6,       0.0);
     ( 410678.8, 3722535.3,       3.5,       3.5,       0.0);         ( 410698.8,
3722535.3,       3.0,       3.0,       0.0);
     ( 410718.8, 3722535.3,       2.6,       2.6,       0.0);         ( 410738.8,
3722535.3,       2.8,       2.8,       0.0);
     ( 410758.8, 3722535.3,       2.8,       2.8,       0.0);         ( 410778.8,
3722535.3,       1.8,       1.8,       0.0);
     ( 410798.8, 3722535.3,       2.3,       2.3,       0.0);         ( 410818.8,
3722535.3,       2.6,       2.6,       0.0);
     ( 410838.8, 3722535.3,       2.5,       2.5,       0.0);         ( 410858.8,
3722535.3,       2.4,       2.4,       0.0);
     ( 410878.8, 3722535.3,       2.2,       2.2,       0.0);         ( 410898.8,
3722535.3,       2.3,       2.3,       0.0);
     ( 410498.8, 3722555.3,       2.9,       2.9,       0.0);         ( 410518.8,
3722555.3,       3.2,       3.2,       0.0);
     ( 410538.8, 3722555.3,       3.2,       3.2,       0.0);         ( 410558.8,
3722555.3,       2.9,       2.9,       0.0);
     ( 410578.8, 3722555.3,       3.0,       3.0,       0.0);         ( 410598.8,
3722555.3,       3.1,       3.1,       0.0);
     ( 410618.8, 3722555.3,       3.2,       3.2,       0.0);         ( 410638.8,
3722555.3,       3.1,       3.1,       0.0);
     ( 410658.8, 3722555.3,       3.1,       3.1,       0.0);         ( 410678.8,
3722555.3,       3.0,       3.0,       0.0);
     ( 410698.8, 3722555.3,       2.9,       2.9,       0.0);         ( 410718.8,
```

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(410498.8, 3722575.3, 3.3, 3.3, 0.0); (410518.8,
3722575.3, 2.9, 2.9, 0.0);
(410538.8, 3722575.3, 2.9, 2.9, 0.0); (410558.8,
3722575.3, 2.7, 2.7, 0.0);
(410578.8, 3722575.3, 2.8, 2.8, 0.0); (410598.8,
3722575.3, 2.7, 2.7, 0.0);
(410618.8, 3722575.3, 2.7, 2.7, 0.0); (410638.8,
3722575.3, 2.7, 2.7, 0.0);
(410658.8, 3722575.3, 2.6, 2.6, 0.0); (410678.8,
3722575.3, 2.6, 2.6, 0.0);
(410698.8, 3722575.3, 2.6, 2.6, 0.0); (410718.8,
3722575.3, 2.4, 2.4, 0.0);
(410738.8, 3722575.3, 2.5, 2.5, 0.0); (410758.8,
3722575.3, 2.0, 2.0, 0.0);
(410778.8, 3722575.3, 1.9, 1.9, 0.0); (410798.8,
3722575.3, 2.4, 2.4, 0.0);
(410818.8, 3722575.3, 2.3, 2.3, 0.0); (410838.8,
3722575.3, 2.0, 2.0, 0.0);
(410858.8, 3722575.3, 1.9, 1.9, 0.0); (410878.8,
3722575.3, 2.3, 2.3, 0.0);
(410898.8, 3722575.3, 2.4, 2.4, 0.0); (410918.8,
3722575.3, 2.2, 2.2, 0.0);
(410938.8, 3722575.3, 2.3, 2.3, 0.0); (410498.8,
3722595.3, 3.4, 3.4, 0.0);
(410518.8, 3722595.3, 3.2, 3.2, 0.0); (410538.8,
3722595.3, 3.2, 3.2, 0.0);
(410558.8, 3722595.3, 3.2, 3.2, 0.0); (410578.8,

```
3722595.3,       3.0,       3.0,       0.0);
     ( 410598.8, 3722595.3,       3.0,       3.0,       0.0);         ( 410618.8,
3722595.3,       3.0,       3.0,       0.0);
     ( 410638.8, 3722595.3,       2.9,       2.9,       0.0);         ( 410658.8,
3722595.3,       2.9,       2.9,       0.0);
     ( 410678.8, 3722595.3,       2.8,       2.8,       0.0);         ( 410698.8,
3722595.3,       2.8,       2.8,       0.0);
     ( 410718.8, 3722595.3,       2.8,       2.8,       0.0);         ( 410738.8,
3722595.3,       2.9,       2.9,       0.0);
     ( 410758.8, 3722595.3,       2.6,       2.6,       0.0);         ( 410778.8,
3722595.3,       2.1,       2.1,       0.0);
     ( 410798.8, 3722595.3,       2.2,       2.2,       0.0);         ( 410818.8,
3722595.3,       2.1,       2.1,       0.0);
     ( 410838.8, 3722595.3,       2.1,       2.1,       0.0);         ( 410858.8,
3722595.3,       1.9,       1.9,       0.0);
     ( 410878.8, 3722595.3,       2.3,       2.3,       0.0);         ( 410898.8,
3722595.3,       2.4,       2.4,       0.0);
     ( 410918.8, 3722595.3,       2.2,       2.2,       0.0);         ( 410938.8,
3722595.3,       2.3,       2.3,       0.0);
     ( 410498.8, 3722615.3,       3.2,       3.2,       0.0);         ( 410518.8,
3722615.3,       3.1,       3.1,       0.0);
     ( 410538.8, 3722615.3,       3.1,       3.1,       0.0);         ( 410558.8,
3722615.3,       3.1,       3.1,       0.0);
     ( 410578.8, 3722615.3,       3.1,       3.1,       0.0);         ( 410598.8,
3722615.3,       3.0,       3.0,       0.0);
     ( 410618.8, 3722615.3,       3.0,       3.0,       0.0);         ( 410638.8,
3722615.3,       3.0,       3.0,       0.0);
     ( 410658.8, 3722615.3,       3.0,       3.0,       0.0);         ( 410678.8,
3722615.3,       3.0,       3.0,       0.0);
     ( 410698.8, 3722615.3,       3.0,       3.0,       0.0);         ( 410718.8,
3722615.3,       3.0,       3.0,       0.0);
     ( 410738.8, 3722615.3,       3.0,       3.0,       0.0);         ( 410758.8,
3722615.3,       2.9,       2.9,       0.0);
     ( 410778.8, 3722615.3,       2.2,       2.2,       0.0);         ( 410798.8,
3722615.3,       2.1,       2.1,       0.0);
     ( 410818.8, 3722615.3,       1.8,       1.8,       0.0);         ( 410838.8,
3722615.3,       1.9,       1.9,       0.0);
     ( 410858.8, 3722615.3,       1.8,       1.8,       0.0);         ( 410878.8,
3722615.3,       1.9,       1.9,       0.0);
     ( 410898.8, 3722615.3,       2.0,       2.0,       0.0);         ( 410918.8,
3722615.3,       2.0,       2.0,       0.0);
     ( 410938.8, 3722615.3,       2.1,       2.1,       0.0);         ( 410958.8,
3722615.3,       2.3,       2.3,       0.0);
     ( 410498.8, 3722635.3,       2.4,       2.4,       0.0);         ( 410518.8,
3722635.3,       2.5,       2.5,       0.0);
     ( 410538.8, 3722635.3,       2.6,       2.6,       0.0);         ( 410558.8,
3722635.3,       2.6,       2.6,       0.0);
     ( 410578.8, 3722635.3,       2.6,       2.6,       0.0);         ( 410598.8,
3722635.3,       2.7,       2.7,       0.0);
     ( 410618.8, 3722635.3,       2.7,       2.7,       0.0);         ( 410638.8,
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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(410898.8, 3722635.3, 2.1, 2.1, 0.0); (410918.8,
3722635.3, 2.0, 2.0, 0.0);
(410938.8, 3722635.3, 2.1, 2.1, 0.0); (410958.8,
3722635.3, 2.2, 2.2, 0.0);
(410978.8, 3722635.3, 2.3, 2.3, 0.0); (410498.8,
3722655.3, 2.1, 2.1, 0.0);
(410518.8, 3722655.3, 2.1, 2.1, 0.0); (410538.8,
3722655.3, 2.1, 2.1, 0.0);
(410558.8, 3722655.3, 2.2, 2.2, 0.0); (410578.8,
3722655.3, 2.2, 2.2, 0.0);
(410598.8, 3722655.3, 2.2, 2.2, 0.0); (410618.8,
3722655.3, 2.2, 2.2, 0.0);
(410638.8, 3722655.3, 2.2, 2.2, 0.0); (410658.8,
3722655.3, 2.3, 2.3, 0.0);
(410678.8, 3722655.3, 2.3, 2.3, 0.0); (410698.8,
3722655.3, 2.3, 2.3, 0.0);
(410718.8, 3722655.3, 2.4, 2.4, 0.0); (410738.8,
3722655.3, 2.4, 2.4, 0.0);
(410758.8, 3722655.3, 2.4, 2.4, 0.0); (410778.8,
3722655.3, 2.4, 2.4, 0.0);
(410798.8, 3722655.3, 2.1, 2.1, 0.0); (410818.8,
3722655.3, 1.7, 1.7, 0.0);
(410838.8, 3722655.3, 2.0, 2.0, 0.0); (410858.8,
3722655.3, 2.3, 2.3, 0.0);
(410878.8, 3722655.3, 2.4, 2.4, 0.0); (410898.8,

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3722655.3,       2.3,       2.3,       0.0);
     ( 410918.8, 3722655.3,       2.3,       2.3,       0.0);         ( 410938.8,
3722655.3,       2.3,       2.3,       0.0);
     ( 410958.8, 3722655.3,       2.3,       2.3,       0.0);         ( 410978.8,
3722655.3,       2.2,       2.2,       0.0);
     ( 410998.8, 3722655.3,       2.3,       2.3,       0.0);         ( 410498.8,
3722675.3,       2.0,       2.0,       0.0);
     ( 410518.8, 3722675.3,       2.5,       2.5,       0.0);         ( 410538.8,
3722675.3,       2.5,       2.5,       0.0);
     ( 410558.8, 3722675.3,       2.5,       2.5,       0.0);         ( 410578.8,
3722675.3,       2.6,       2.6,       0.0);
     ( 410598.8, 3722675.3,       2.7,       2.7,       0.0);         ( 410618.8,
3722675.3,       2.7,       2.7,       0.0);
     ( 410638.8, 3722675.3,       2.2,       2.2,       0.0);         ( 410658.8,
3722675.3,       2.6,       2.6,       0.0);
     ( 410678.8, 3722675.3,       2.7,       2.7,       0.0);         ( 410698.8,
3722675.3,       2.7,       2.7,       0.0);
     ( 410718.8, 3722675.3,       2.7,       2.7,       0.0);         ( 410738.8,
3722675.3,       2.8,       2.8,       0.0);
     ( 410758.8, 3722675.3,       2.7,       2.7,       0.0);         ( 410778.8,
3722675.3,       2.4,       2.4,       0.0);
     ( 410798.8, 3722675.3,       2.1,       2.1,       0.0);         ( 410818.8,
3722675.3,       1.7,       1.7,       0.0);
     ( 410838.8, 3722675.3,       1.8,       1.8,       0.0);         ( 410858.8,
3722675.3,       2.2,       2.2,       0.0);
     ( 410878.8, 3722675.3,       2.4,       2.4,       0.0);         ( 410898.8,
3722675.3,       2.3,       2.3,       0.0);
     ( 410918.8, 3722675.3,       2.3,       2.3,       0.0);         ( 410938.8,
3722675.3,       2.4,       2.4,       0.0);
     ( 410958.8, 3722675.3,       2.3,       2.3,       0.0);         ( 410978.8,
3722675.3,       2.2,       2.2,       0.0);
     ( 410998.8, 3722675.3,       2.2,       2.2,       0.0);         ( 411018.8,
3722675.3,       2.3,       2.3,       0.0);
     ( 410498.8, 3722695.3,       2.2,       2.2,       0.0);         ( 410518.8,
3722695.3,       2.6,       2.6,       0.0);
     ( 410538.8, 3722695.3,       2.6,       2.6,       0.0);         ( 410558.8,
3722695.3,       2.6,       2.6,       0.0);
     ( 410578.8, 3722695.3,       2.8,       2.8,       0.0);         ( 410598.8,
3722695.3,       2.9,       2.9,       0.0);
     ( 410618.8, 3722695.3,       2.7,       2.7,       0.0);         ( 410638.8,
3722695.3,       2.3,       2.3,       0.0);
     ( 410658.8, 3722695.3,       2.8,       2.8,       0.0);         ( 410678.8,
3722695.3,       2.8,       2.8,       0.0);
     ( 410698.8, 3722695.3,       2.9,       2.9,       0.0);         ( 410718.8,
3722695.3,       2.9,       2.9,       0.0);
     ( 410738.8, 3722695.3,       3.0,       3.0,       0.0);         ( 410758.8,
3722695.3,       2.8,       2.8,       0.0);
     ( 410778.8, 3722695.3,       2.4,       2.4,       0.0);         ( 410798.8,
3722695.3,       2.1,       2.1,       0.0);
     ( 410818.8, 3722695.3,       1.7,       1.7,       0.0);         ( 410838.8,
```

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(410578.8, 3722715.3, 2.6, 2.6, 0.0); (410598.8,
3722715.3, 2.8, 2.8, 0.0);
(410618.8, 3722715.3, 2.7, 2.7, 0.0); (410638.8,
3722715.3, 2.2, 2.2, 0.0);
(410658.8, 3722715.3, 2.7, 2.7, 0.0); (410678.8,
3722715.3, 2.8, 2.8, 0.0);
(410698.8, 3722715.3, 2.8, 2.8, 0.0); (410718.8,
3722715.3, 2.8, 2.8, 0.0);
(410738.8, 3722715.3, 2.8, 2.8, 0.0); (410758.8,
3722715.3, 2.8, 2.8, 0.0);
(410778.8, 3722715.3, 2.4, 2.4, 0.0); (410798.8,
3722715.3, 2.2, 2.2, 0.0);
(410818.8, 3722715.3, 1.7, 1.7, 0.0); (410838.8,
3722715.3, 1.9, 1.9, 0.0);
(410858.8, 3722715.3, 2.2, 2.2, 0.0); (410878.8,
3722715.3, 2.2, 2.2, 0.0);
(410898.8, 3722715.3, 1.8, 1.8, 0.0); (410918.8,
3722715.3, 1.8, 1.8, 0.0);
(410938.8, 3722715.3, 2.1, 2.1, 0.0); (410958.8,
3722715.3, 2.2, 2.2, 0.0);
(410978.8, 3722715.3, 1.7, 1.7, 0.0); (410998.8,
3722715.3, 1.9, 1.9, 0.0);
(411018.8, 3722715.3, 2.2, 2.2, 0.0); (411038.8,

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3722715.3,       2.3,       2.3,       0.0);
     ( 410498.8, 3722735.3,       1.9,       1.9,       0.0);         ( 410518.8,
3722735.3,       1.9,       1.9,       0.0);
     ( 410538.8, 3722735.3,       2.0,       2.0,       0.0);         ( 410558.8,
3722735.3,       2.0,       2.0,       0.0);
     ( 410578.8, 3722735.3,       2.4,       2.4,       0.0);         ( 410598.8,
3722735.3,       2.8,       2.8,       0.0);
     ( 410618.8, 3722735.3,       2.7,       2.7,       0.0);         ( 410638.8,
3722735.3,       2.1,       2.1,       0.0);
     ( 410658.8, 3722735.3,       2.2,       2.2,       0.0);         ( 410678.8,
3722735.3,       2.3,       2.3,       0.0);
     ( 410698.8, 3722735.3,       2.3,       2.3,       0.0);         ( 410718.8,
3722735.3,       2.4,       2.4,       0.0);
     ( 410738.8, 3722735.3,       2.3,       2.3,       0.0);         ( 410758.8,
3722735.3,       2.5,       2.5,       0.0);
     ( 410778.8, 3722735.3,       2.5,       2.5,       0.0);         ( 410798.8,
3722735.3,       2.1,       2.1,       0.0);
     ( 410818.8, 3722735.3,       1.8,       1.8,       0.0);         ( 410838.8,
3722735.3,       1.9,       1.9,       0.0);
     ( 410858.8, 3722735.3,       2.2,       2.2,       0.0);         ( 410878.8,
3722735.3,       2.2,       2.2,       0.0);
     ( 410898.8, 3722735.3,       2.0,       2.0,       0.0);         ( 410918.8,
3722735.3,       1.8,       1.8,       0.0);
     ( 410938.8, 3722735.3,       1.7,       1.7,       0.0);         ( 410958.8,
3722735.3,       1.7,       1.7,       0.0);
     ( 410978.8, 3722735.3,       1.7,       1.7,       0.0);         ( 410998.8,
3722735.3,       2.1,       2.1,       0.0);
     ( 411018.8, 3722735.3,       2.2,       2.2,       0.0);         ( 411038.8,
3722735.3,       2.2,       2.2,       0.0);
     ( 411058.8, 3722735.3,       2.3,       2.3,       0.0);         ( 410498.8,
3722755.3,       2.4,       2.4,       0.0);
     ( 410518.8, 3722755.3,       2.4,       2.4,       0.0);         ( 410538.8,
3722755.3,       2.5,       2.5,       0.0);
     ( 410558.8, 3722755.3,       2.3,       2.3,       0.0);         ( 410578.8,
3722755.3,       2.6,       2.6,       0.0);
     ( 410598.8, 3722755.3,       2.8,       2.8,       0.0);         ( 410618.8,
3722755.3,       2.6,       2.6,       0.0);
     ( 410638.8, 3722755.3,       2.2,       2.2,       0.0);         ( 410658.8,
3722755.3,       2.8,       2.8,       0.0);
     ( 410678.8, 3722755.3,       2.8,       2.8,       0.0);         ( 410698.8,
3722755.3,       2.8,       2.8,       0.0);
     ( 410718.8, 3722755.3,       2.8,       2.8,       0.0);         ( 410738.8,
3722755.3,       2.7,       2.7,       0.0);
     ( 410758.8, 3722755.3,       2.7,       2.7,       0.0);         ( 410778.8,
3722755.3,       2.5,       2.5,       0.0);
     ( 410798.8, 3722755.3,       2.1,       2.1,       0.0);         ( 410818.8,
3722755.3,       1.8,       1.8,       0.0);
     ( 410838.8, 3722755.3,       1.9,       1.9,       0.0);         ( 410858.8,
3722755.3,       2.2,       2.2,       0.0);
     ( 410878.8, 3722755.3,       2.3,       2.3,       0.0);         ( 410898.8,
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3722755.3,       2.3,       2.3,       0.0);
     ( 410918.8, 3722755.3,       2.1,       2.1,       0.0);         ( 410938.8,
3722755.3,       1.7,       1.7,       0.0);
     ( 410958.8, 3722755.3,       1.6,       1.6,       0.0);         ( 410978.8,
3722755.3,       1.8,       1.8,       0.0);
     ( 410998.8, 3722755.3,       1.8,       1.8,       0.0);         ( 411018.8,
3722755.3,       2.0,       2.0,       0.0);
     ( 411038.8, 3722755.3,       2.2,       2.2,       0.0);         ( 411058.8,
3722755.3,       2.2,       2.2,       0.0);
     ( 411078.8, 3722755.3,       2.3,       2.3,       0.0);         ( 410498.8,
3722775.3,       2.5,       2.5,       0.0);
     ( 410518.8, 3722775.3,       2.5,       2.5,       0.0);         ( 410538.8,
3722775.3,       2.6,       2.6,       0.0);
     ( 410558.8, 3722775.3,       2.6,       2.6,       0.0);         ( 410578.8,
3722775.3,       2.6,       2.6,       0.0);
     ( 410598.8, 3722775.3,       2.8,       2.8,       0.0);         ( 410618.8,
3722775.3,       2.6,       2.6,       0.0);
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                        ***       05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***       16:48:31

                                  PAGE 255
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                                 *** DISCRETE CARTESIAN RECEPTORS ***
                                               (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                          (METERS)

     ( 410638.8, 3722775.3,       2.1,       2.1,       0.0);         ( 410658.8,
3722775.3,       2.8,       2.8,       0.0);
     ( 410678.8, 3722775.3,       2.8,       2.8,       0.0);         ( 410698.8,
3722775.3,       2.8,       2.8,       0.0);
     ( 410718.8, 3722775.3,       2.9,       2.9,       0.0);         ( 410738.8,
3722775.3,       2.9,       2.9,       0.0);
     ( 410758.8, 3722775.3,       2.8,       2.8,       0.0);         ( 410778.8,
3722775.3,       2.5,       2.5,       0.0);
     ( 410798.8, 3722775.3,       2.1,       2.1,       0.0);         ( 410818.8,
3722775.3,       1.7,       1.7,       0.0);
     ( 410838.8, 3722775.3,       1.9,       1.9,       0.0);         ( 410858.8,
3722775.3,       2.1,       2.1,       0.0);
     ( 410878.8, 3722775.3,       2.0,       2.0,       0.0);         ( 410898.8,
3722775.3,       2.1,       2.1,       0.0);
     ( 410918.8, 3722775.3,       2.2,       2.2,       0.0);         ( 410938.8,
3722775.3,       1.6,       1.6,       0.0);
     ( 410958.8, 3722775.3,       2.0,       2.0,       0.0);         ( 410978.8,
3722775.3,       2.2,       2.2,       0.0);
     ( 410998.8, 3722775.3,       1.9,       1.9,       0.0);         ( 411018.8,
3722775.3,       1.8,       1.8,       0.0);
     ( 411038.8, 3722775.3,       2.0,       2.0,       0.0);         ( 411058.8,
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3722775.3,       2.2,       2.2,       0.0);
     ( 411078.8, 3722775.3,       2.3,       2.3,       0.0);         ( 411098.8,
3722775.3,       2.4,       2.4,       0.0);
     ( 410498.8, 3722795.3,       2.3,       2.3,       0.0);         ( 410518.8,
3722795.3,       2.3,       2.3,       0.0);
     ( 410538.8, 3722795.3,       2.3,       2.3,       0.0);         ( 410558.8,
3722795.3,       2.2,       2.2,       0.0);
     ( 410578.8, 3722795.3,       2.5,       2.5,       0.0);         ( 410598.8,
3722795.3,       2.7,       2.7,       0.0);
     ( 410618.8, 3722795.3,       2.6,       2.6,       0.0);         ( 410638.8,
3722795.3,       2.1,       2.1,       0.0);
     ( 410658.8, 3722795.3,       2.6,       2.6,       0.0);         ( 410678.8,
3722795.3,       2.5,       2.5,       0.0);
     ( 410698.8, 3722795.3,       2.6,       2.6,       0.0);         ( 410718.8,
3722795.3,       2.7,       2.7,       0.0);
     ( 410738.8, 3722795.3,       2.6,       2.6,       0.0);         ( 410758.8,
3722795.3,       2.6,       2.6,       0.0);
     ( 410778.8, 3722795.3,       2.5,       2.5,       0.0);         ( 410798.8,
3722795.3,       2.1,       2.1,       0.0);
     ( 410818.8, 3722795.3,       1.7,       1.7,       0.0);         ( 410838.8,
3722795.3,       1.9,       1.9,       0.0);
     ( 410858.8, 3722795.3,       2.2,       2.2,       0.0);         ( 410878.8,
3722795.3,       1.9,       1.9,       0.0);
     ( 410898.8, 3722795.3,       1.8,       1.8,       0.0);         ( 410918.8,
3722795.3,       1.7,       1.7,       0.0);
     ( 410938.8, 3722795.3,       1.8,       1.8,       0.0);         ( 410958.8,
3722795.3,       2.2,       2.2,       0.0);
     ( 410978.8, 3722795.3,       2.3,       2.3,       0.0);         ( 410998.8,
3722795.3,       2.1,       2.1,       0.0);
     ( 411018.8, 3722795.3,       1.9,       1.9,       0.0);         ( 411038.8,
3722795.3,       1.8,       1.8,       0.0);
     ( 411058.8, 3722795.3,       2.1,       2.1,       0.0);         ( 411078.8,
3722795.3,       2.2,       2.2,       0.0);
     ( 411098.8, 3722795.3,       2.4,       2.4,       0.0);         ( 411118.8,
3722795.3,       2.5,       2.5,       0.0);
     ( 410498.8, 3722815.3,       1.9,       1.9,       0.0);         ( 410518.8,
3722815.3,       1.9,       1.9,       0.0);
     ( 410538.8, 3722815.3,       1.9,       1.9,       0.0);         ( 410558.8,
3722815.3,       1.9,       1.9,       0.0);
     ( 410578.8, 3722815.3,       2.4,       2.4,       0.0);         ( 410598.8,
3722815.3,       2.6,       2.6,       0.0);
     ( 410618.8, 3722815.3,       2.6,       2.6,       0.0);         ( 410638.8,
3722815.3,       2.0,       2.0,       0.0);
     ( 410658.8, 3722815.3,       2.1,       2.1,       0.0);         ( 410678.8,
3722815.3,       2.1,       2.1,       0.0);
     ( 410698.8, 3722815.3,       2.2,       2.2,       0.0);         ( 410718.8,
3722815.3,       2.2,       2.2,       0.0);
     ( 410738.8, 3722815.3,       2.3,       2.3,       0.0);         ( 410758.8,
3722815.3,       2.4,       2.4,       0.0);
     ( 410778.8, 3722815.3,       2.5,       2.5,       0.0);         ( 410798.8,
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3722815.3, 2.0, 2.0, 0.0);
     (410818.8, 3722815.3, 1.7, 1.7, 0.0); (410838.8,
3722815.3, 1.8, 1.8, 0.0);
     (410858.8, 3722815.3, 2.1, 2.1, 0.0); (410878.8,
3722815.3, 2.2, 2.2, 0.0);
     (410898.8, 3722815.3, 1.8, 1.8, 0.0); (410918.8,
3722815.3, 1.7, 1.7, 0.0);
     (410938.8, 3722815.3, 2.1, 2.1, 0.0); (410958.8,
3722815.3, 2.3, 2.3, 0.0);
     (410978.8, 3722815.3, 2.2, 2.2, 0.0); (410998.8,
3722815.3, 2.3, 2.3, 0.0);
     (411018.8, 3722815.3, 2.2, 2.2, 0.0); (411038.8,
3722815.3, 1.8, 1.8, 0.0);
     (411058.8, 3722815.3, 1.9, 1.9, 0.0); (411078.8,
3722815.3, 2.3, 2.3, 0.0);
     (411098.8, 3722815.3, 2.3, 2.3, 0.0); (411118.8,
3722815.3, 2.4, 2.4, 0.0);
     (411138.8, 3722815.3, 2.6, 2.6, 0.0); (410498.8,
3722835.3, 2.3, 2.3, 0.0);

                                        *** DISCRETE CARTESIAN RECEPTORS ***
                                    (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                (METERS)

     (410518.8, 3722835.3, 2.3, 2.3, 0.0); (410538.8,
3722835.3, 2.3, 2.3, 0.0);
     (410558.8, 3722835.3, 2.3, 2.3, 0.0); (410578.8,
3722835.3, 2.4, 2.4, 0.0);
     (410598.8, 3722835.3, 2.6, 2.6, 0.0); (410618.8,
3722835.3, 2.6, 2.6, 0.0);
     (410638.8, 3722835.3, 2.1, 2.1, 0.0); (410658.8,
3722835.3, 2.7, 2.7, 0.0);
     (410678.8, 3722835.3, 2.7, 2.7, 0.0); (410698.8,
3722835.3, 2.6, 2.6, 0.0);
     (410718.8, 3722835.3, 2.7, 2.7, 0.0); (410738.8,
3722835.3, 2.6, 2.6, 0.0);
     (410758.8, 3722835.3, 2.6, 2.6, 0.0); (410778.8,
3722835.3, 2.5, 2.5, 0.0);
     (410798.8, 3722835.3, 2.0, 2.0, 0.0); (410818.8,
3722835.3, 1.7, 1.7, 0.0);
     (410838.8, 3722835.3, 1.9, 1.9, 0.0); (410858.8,
3722835.3, 2.1, 2.1, 0.0);
     (410878.8, 3722835.3, 2.0, 2.0, 0.0); (410898.8,

```
3722835.3,       1.6,       1.6,       0.0);
     ( 410918.8, 3722835.3,       2.1,       2.1,       0.0);         ( 410938.8,
3722835.3,       2.2,       2.2,       0.0);
     ( 410958.8, 3722835.3,       2.2,       2.2,       0.0);         ( 410978.8,
3722835.3,       2.1,       2.1,       0.0);
     ( 410998.8, 3722835.3,       2.2,       2.2,       0.0);         ( 411018.8,
3722835.3,       2.3,       2.3,       0.0);
     ( 411038.8, 3722835.3,       2.2,       2.2,       0.0);         ( 411058.8,
3722835.3,       1.8,       1.8,       0.0);
     ( 411078.8, 3722835.3,       2.2,       2.2,       0.0);         ( 411098.8,
3722835.3,       2.4,       2.4,       0.0);
     ( 411118.8, 3722835.3,       2.3,       2.3,       0.0);         ( 411138.8,
3722835.3,       2.4,       2.4,       0.0);
     ( 410498.8, 3722855.3,       2.4,       2.4,       0.0);         ( 410518.8,
3722855.3,       2.4,       2.4,       0.0);
     ( 410538.8, 3722855.3,       2.4,       2.4,       0.0);         ( 410558.8,
3722855.3,       2.4,       2.4,       0.0);
     ( 410578.8, 3722855.3,       2.4,       2.4,       0.0);         ( 410598.8,
3722855.3,       2.5,       2.5,       0.0);
     ( 410618.8, 3722855.3,       2.5,       2.5,       0.0);         ( 410638.8,
3722855.3,       2.0,       2.0,       0.0);
     ( 410658.8, 3722855.3,       2.6,       2.6,       0.0);         ( 410678.8,
3722855.3,       2.7,       2.7,       0.0);
     ( 410698.8, 3722855.3,       2.8,       2.8,       0.0);         ( 410718.8,
3722855.3,       2.8,       2.8,       0.0);
     ( 410738.8, 3722855.3,       2.7,       2.7,       0.0);         ( 410758.8,
3722855.3,       2.7,       2.7,       0.0);
     ( 410778.8, 3722855.3,       2.5,       2.5,       0.0);         ( 410798.8,
3722855.3,       2.1,       2.1,       0.0);
     ( 410818.8, 3722855.3,       1.8,       1.8,       0.0);         ( 410838.8,
3722855.3,       1.9,       1.9,       0.0);
     ( 410858.8, 3722855.3,       2.2,       2.2,       0.0);         ( 410878.8,
3722855.3,       1.7,       1.7,       0.0);
     ( 410898.8, 3722855.3,       1.8,       1.8,       0.0);         ( 410918.8,
3722855.3,       2.1,       2.1,       0.0);
     ( 410938.8, 3722855.3,       2.4,       2.4,       0.0);         ( 410958.8,
3722855.3,       2.1,       2.1,       0.0);
     ( 410978.8, 3722855.3,       1.9,       1.9,       0.0);         ( 410998.8,
3722855.3,       2.1,       2.1,       0.0);
     ( 411018.8, 3722855.3,       2.4,       2.4,       0.0);         ( 411038.8,
3722855.3,       2.4,       2.4,       0.0);
     ( 411058.8, 3722855.3,       2.0,       2.0,       0.0);         ( 411078.8,
3722855.3,       2.1,       2.1,       0.0);
     ( 411098.8, 3722855.3,       2.4,       2.4,       0.0);         ( 411118.8,
3722855.3,       2.5,       2.5,       0.0);
     ( 411138.8, 3722855.3,       2.3,       2.3,       0.0);         ( 411158.8,
3722855.3,       2.4,       2.4,       0.0);
     ( 410498.8, 3722875.3,       2.1,       2.1,       0.0);         ( 410518.8,
3722875.3,       2.2,       2.2,       0.0);
     ( 410538.8, 3722875.3,       2.1,       2.1,       0.0);         ( 410558.8,
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3722875.3,       2.2,       2.2,       0.0);
     ( 410578.8, 3722875.3,       2.2,       2.2,       0.0);         ( 410598.8,
3722875.3,       2.3,       2.3,       0.0);
     ( 410618.8, 3722875.3,       2.3,       2.3,       0.0);         ( 410638.8,
3722875.3,       1.9,       1.9,       0.0);
     ( 410658.8, 3722875.3,       2.3,       2.3,       0.0);         ( 410678.8,
3722875.3,       2.4,       2.4,       0.0);
     ( 410698.8, 3722875.3,       2.5,       2.5,       0.0);         ( 410718.8,
3722875.3,       2.5,       2.5,       0.0);
     ( 410738.8, 3722875.3,       2.5,       2.5,       0.0);         ( 410758.8,
3722875.3,       2.5,       2.5,       0.0);
     ( 410778.8, 3722875.3,       2.4,       2.4,       0.0);         ( 410798.8,
3722875.3,       2.0,       2.0,       0.0);
     ( 410818.8, 3722875.3,       1.8,       1.8,       0.0);         ( 410838.8,
3722875.3,       1.9,       1.9,       0.0);
     ( 410858.8, 3722875.3,       1.8,       1.8,       0.0);         ( 410878.8,
3722875.3,       1.6,       1.6,       0.0);
     ( 410898.8, 3722875.3,       1.9,       1.9,       0.0);         ( 410918.8,
3722875.3,       2.1,       2.1,       0.0);
     ( 410938.8, 3722875.3,       2.3,       2.3,       0.0);         ( 410958.8,
3722875.3,       2.3,       2.3,       0.0);
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                        ***       05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***       16:48:31

                                  PAGE 257
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                      (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                (METERS)

     ( 410978.8, 3722875.3,       1.9,       1.9,       0.0);         ( 410998.8,
3722875.3,       1.9,       1.9,       0.0);
     ( 411018.8, 3722875.3,       2.2,       2.2,       0.0);         ( 411038.8,
3722875.3,       2.4,       2.4,       0.0);
     ( 411058.8, 3722875.3,       2.1,       2.1,       0.0);         ( 411078.8,
3722875.3,       2.1,       2.1,       0.0);
     ( 411098.8, 3722875.3,       2.4,       2.4,       0.0);         ( 411118.8,
3722875.3,       2.4,       2.4,       0.0);
     ( 411138.8, 3722875.3,       2.2,       2.2,       0.0);         ( 411158.8,
3722875.3,       2.4,       2.4,       0.0);
     ( 411178.8, 3722875.3,       2.5,       2.5,       0.0);         ( 410498.8,
3722895.3,       1.8,       1.8,       0.0);
     ( 410518.8, 3722895.3,       1.7,       1.7,       0.0);         ( 410538.8,
3722895.3,       1.8,       1.8,       0.0);
     ( 410558.8, 3722895.3,       1.8,       1.8,       0.0);         ( 410578.8,
3722895.3,       1.8,       1.8,       0.0);
     ( 410598.8, 3722895.3,       1.8,       1.8,       0.0);         ( 410618.8,
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3722895.3,       1.9,       1.9,       0.0);
     ( 410638.8, 3722895.3,       1.9,       1.9,       0.0);         ( 410658.8,
3722895.3,       2.0,       2.0,       0.0);
     ( 410678.8, 3722895.3,       1.9,       1.9,       0.0);         ( 410698.8,
3722895.3,       2.1,       2.1,       0.0);
     ( 410718.8, 3722895.3,       2.1,       2.1,       0.0);         ( 410738.8,
3722895.3,       2.1,       2.1,       0.0);
     ( 410758.8, 3722895.3,       2.2,       2.2,       0.0);         ( 410778.8,
3722895.3,       2.4,       2.4,       0.0);
     ( 410798.8, 3722895.3,       2.3,       2.3,       0.0);         ( 410818.8,
3722895.3,       2.0,       2.0,       0.0);
     ( 410838.8, 3722895.3,       1.7,       1.7,       0.0);         ( 410858.8,
3722895.3,       1.6,       1.6,       0.0);
     ( 410878.8, 3722895.3,       1.9,       1.9,       0.0);         ( 410898.8,
3722895.3,       1.7,       1.7,       0.0);
     ( 410918.8, 3722895.3,       1.9,       1.9,       0.0);         ( 410938.8,
3722895.3,       2.2,       2.2,       0.0);
     ( 410958.8, 3722895.3,       2.3,       2.3,       0.0);         ( 410978.8,
3722895.3,       2.0,       2.0,       0.0);
     ( 410998.8, 3722895.3,       1.8,       1.8,       0.0);         ( 411018.8,
3722895.3,       2.2,       2.2,       0.0);
     ( 411038.8, 3722895.3,       2.4,       2.4,       0.0);         ( 411058.8,
3722895.3,       2.1,       2.1,       0.0);
     ( 411078.8, 3722895.3,       1.9,       1.9,       0.0);         ( 411098.8,
3722895.3,       2.0,       2.0,       0.0);
     ( 411118.8, 3722895.3,       2.0,       2.0,       0.0);         ( 411138.8,
3722895.3,       2.1,       2.1,       0.0);
     ( 411158.8, 3722895.3,       2.2,       2.2,       0.0);         ( 411178.8,
3722895.3,       2.4,       2.4,       0.0);
     ( 411198.8, 3722895.3,       2.5,       2.5,       0.0);         ( 410498.8,
3722915.3,       2.3,       2.3,       0.0);
     ( 410518.8, 3722915.3,       1.8,       1.8,       0.0);         ( 410538.8,
3722915.3,       2.2,       2.2,       0.0);
     ( 410558.8, 3722915.3,       2.3,       2.3,       0.0);         ( 410578.8,
3722915.3,       2.3,       2.3,       0.0);
     ( 410598.8, 3722915.3,       1.9,       1.9,       0.0);         ( 410618.8,
3722915.3,       2.4,       2.4,       0.0);
     ( 410638.8, 3722915.3,       2.5,       2.5,       0.0);         ( 410658.8,
3722915.3,       2.4,       2.4,       0.0);
     ( 410678.8, 3722915.3,       2.0,       2.0,       0.0);         ( 410698.8,
3722915.3,       2.5,       2.5,       0.0);
     ( 410718.8, 3722915.3,       2.6,       2.6,       0.0);         ( 410738.8,
3722915.3,       2.6,       2.6,       0.0);
     ( 410758.8, 3722915.3,       2.5,       2.5,       0.0);         ( 410778.8,
3722915.3,       2.4,       2.4,       0.0);
     ( 410798.8, 3722915.3,       2.3,       2.3,       0.0);         ( 410818.8,
3722915.3,       2.1,       2.1,       0.0);
     ( 410838.8, 3722915.3,       1.7,       1.7,       0.0);         ( 410858.8,
3722915.3,       1.9,       1.9,       0.0);
     ( 410878.8, 3722915.3,       2.1,       2.1,       0.0);         ( 410898.8,
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3722915.3, 2.0, 2.0, 0.0);
     (410918.8, 3722915.3, 2.1, 2.1, 0.0); (410938.8,
3722915.3, 2.2, 2.2, 0.0);
     (410958.8, 3722915.3, 2.3, 2.3, 0.0); (410978.8,
3722915.3, 2.1, 2.1, 0.0);
     (410998.8, 3722915.3, 1.7, 1.7, 0.0); (411018.8,
3722915.3, 2.0, 2.0, 0.0);
     (411038.8, 3722915.3, 2.1, 2.1, 0.0); (411058.8,
3722915.3, 1.9, 1.9, 0.0);
     (411078.8, 3722915.3, 2.1, 2.1, 0.0); (411098.8,
3722915.3, 2.4, 2.4, 0.0);
     (411118.8, 3722915.3, 2.4, 2.4, 0.0); (411138.8,
3722915.3, 2.4, 2.4, 0.0);
     (411158.8, 3722915.3, 2.5, 2.5, 0.0); (411178.8,
3722915.3, 2.3, 2.3, 0.0);
     (411198.8, 3722915.3, 2.5, 2.5, 0.0); (411218.8,
3722915.3, 2.7, 2.7, 0.0);
     (410498.8, 3722935.3, 2.3, 2.3, 0.0); (410518.8,
3722935.3, 1.8, 1.8, 0.0);
     (410538.8, 3722935.3, 2.4, 2.4, 0.0); (410558.8,
3722935.3, 2.5, 2.5, 0.0);
     (410578.8, 3722935.3, 2.4, 2.4, 0.0); (410598.8,
3722935.3, 2.0, 2.0, 0.0);

                                        *** DISCRETE CARTESIAN RECEPTORS ***
                                    (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                              (METERS)

     (410618.8, 3722935.3, 2.5, 2.5, 0.0); (410638.8,
3722935.3, 2.6, 2.6, 0.0);
     (410658.8, 3722935.3, 2.5, 2.5, 0.0); (410678.8,
3722935.3, 2.0, 2.0, 0.0);
     (410698.8, 3722935.3, 2.6, 2.6, 0.0); (410718.8,
3722935.3, 2.8, 2.8, 0.0);
     (410738.8, 3722935.3, 2.8, 2.8, 0.0); (410758.8,
3722935.3, 2.5, 2.5, 0.0);
     (410778.8, 3722935.3, 2.4, 2.4, 0.0); (410798.8,
3722935.3, 2.2, 2.2, 0.0);
     (410818.8, 3722935.3, 1.8, 1.8, 0.0); (410838.8,
3722935.3, 1.9, 1.9, 0.0);
     (410858.8, 3722935.3, 2.1, 2.1, 0.0); (410878.8,
3722935.3, 2.2, 2.2, 0.0);
     (410898.8, 3722935.3, 2.2, 2.2, 0.0); (410918.8,

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3722935.3,       2.2,       2.2,       0.0);
     ( 410938.8, 3722935.3,       2.2,       2.2,       0.0);         ( 410958.8,
3722935.3,       2.2,       2.2,       0.0);
     ( 410978.8, 3722935.3,       2.0,       2.0,       0.0);         ( 410998.8,
3722935.3,       1.7,       1.7,       0.0);
     ( 411018.8, 3722935.3,       1.9,       1.9,       0.0);         ( 411038.8,
3722935.3,       2.0,       2.0,       0.0);
     ( 411058.8, 3722935.3,       1.9,       1.9,       0.0);         ( 411078.8,
3722935.3,       2.1,       2.1,       0.0);
     ( 411098.8, 3722935.3,       2.5,       2.5,       0.0);         ( 411118.8,
3722935.3,       2.5,       2.5,       0.0);
     ( 411138.8, 3722935.3,       2.6,       2.6,       0.0);         ( 411158.8,
3722935.3,       2.7,       2.7,       0.0);
     ( 411178.8, 3722935.3,       2.5,       2.5,       0.0);         ( 411198.8,
3722935.3,       2.3,       2.3,       0.0);
     ( 411218.8, 3722935.3,       2.5,       2.5,       0.0);         ( 410498.8,
3722955.3,       2.3,       2.3,       0.0);
     ( 410518.8, 3722955.3,       1.8,       1.8,       0.0);         ( 410538.8,
3722955.3,       2.3,       2.3,       0.0);
     ( 410558.8, 3722955.3,       2.6,       2.6,       0.0);         ( 410578.8,
3722955.3,       2.4,       2.4,       0.0);
     ( 410598.8, 3722955.3,       2.0,       2.0,       0.0);         ( 410618.8,
3722955.3,       2.4,       2.4,       0.0);
     ( 410638.8, 3722955.3,       2.6,       2.6,       0.0);         ( 410658.8,
3722955.3,       2.5,       2.5,       0.0);
     ( 410678.8, 3722955.3,       2.1,       2.1,       0.0);         ( 410698.8,
3722955.3,       2.6,       2.6,       0.0);
     ( 410718.8, 3722955.3,       2.8,       2.8,       0.0);         ( 410738.8,
3722955.3,       2.9,       2.9,       0.0);
     ( 410758.8, 3722955.3,       2.5,       2.5,       0.0);         ( 410778.8,
3722955.3,       2.3,       2.3,       0.0);
     ( 410798.8, 3722955.3,       2.0,       2.0,       0.0);         ( 410818.8,
3722955.3,       1.7,       1.7,       0.0);
     ( 410838.8, 3722955.3,       1.8,       1.8,       0.0);         ( 410858.8,
3722955.3,       1.9,       1.9,       0.0);
     ( 410878.8, 3722955.3,       1.9,       1.9,       0.0);         ( 410898.8,
3722955.3,       1.9,       1.9,       0.0);
     ( 410918.8, 3722955.3,       1.9,       1.9,       0.0);         ( 410938.8,
3722955.3,       1.8,       1.8,       0.0);
     ( 410958.8, 3722955.3,       1.9,       1.9,       0.0);         ( 410978.8,
3722955.3,       1.8,       1.8,       0.0);
     ( 410998.8, 3722955.3,       1.7,       1.7,       0.0);         ( 411018.8,
3722955.3,       2.1,       2.1,       0.0);
     ( 411038.8, 3722955.3,       2.3,       2.3,       0.0);         ( 411058.8,
3722955.3,       2.0,       2.0,       0.0);
     ( 411078.8, 3722955.3,       2.0,       2.0,       0.0);         ( 411098.8,
3722955.3,       2.2,       2.2,       0.0);
     ( 411118.8, 3722955.3,       2.2,       2.2,       0.0);         ( 411138.8,
3722955.3,       2.3,       2.3,       0.0);
     ( 411158.8, 3722955.3,       2.3,       2.3,       0.0);         ( 411178.8,
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3722955.3,       2.3,       2.3,       0.0);
     ( 411198.8, 3722955.3,       2.2,       2.2,       0.0);         ( 411218.8,
3722955.3,       2.4,       2.4,       0.0);
     ( 410498.8, 3722975.3,       2.3,       2.3,       0.0);         ( 410518.8,
3722975.3,       1.9,       1.9,       0.0);
     ( 410538.8, 3722975.3,       2.3,       2.3,       0.0);         ( 410558.8,
3722975.3,       2.6,       2.6,       0.0);
     ( 410578.8, 3722975.3,       2.4,       2.4,       0.0);         ( 410598.8,
3722975.3,       2.0,       2.0,       0.0);
     ( 410618.8, 3722975.3,       2.4,       2.4,       0.0);         ( 410638.8,
3722975.3,       2.7,       2.7,       0.0);
     ( 410658.8, 3722975.3,       2.5,       2.5,       0.0);         ( 410678.8,
3722975.3,       2.1,       2.1,       0.0);
     ( 410698.8, 3722975.3,       2.5,       2.5,       0.0);         ( 410718.8,
3722975.3,       2.7,       2.7,       0.0);
     ( 410738.8, 3722975.3,       2.7,       2.7,       0.0);         ( 410758.8,
3722975.3,       2.4,       2.4,       0.0);
     ( 410778.8, 3722975.3,       2.3,       2.3,       0.0);         ( 410798.8,
3722975.3,       1.8,       1.8,       0.0);
     ( 410818.8, 3722975.3,       1.7,       1.7,       0.0);         ( 410838.8,
3722975.3,       1.7,       1.7,       0.0);
     ( 410858.8, 3722975.3,       1.7,       1.7,       0.0);         ( 410878.8,
3722975.3,       1.7,       1.7,       0.0);
     ( 410898.8, 3722975.3,       1.7,       1.7,       0.0);         ( 410918.8,
3722975.3,       1.7,       1.7,       0.0);
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                         ***       05/26/20
 *** AERMET - VERSION  16216 ***   ***
                        ***       16:48:31

                                  PAGE 259
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                        *** DISCRETE CARTESIAN RECEPTORS ***
                                      (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                (METERS)

     ( 410938.8, 3722975.3,       1.7,       1.7,       0.0);         ( 410958.8,
3722975.3,       1.7,       1.7,       0.0);
     ( 410978.8, 3722975.3,       1.7,       1.7,       0.0);         ( 410998.8,
3722975.3,       1.7,       1.7,       0.0);
     ( 411018.8, 3722975.3,       2.1,       2.1,       0.0);         ( 411038.8,
3722975.3,       2.3,       2.3,       0.0);
     ( 411058.8, 3722975.3,       2.1,       2.1,       0.0);         ( 411078.8,
3722975.3,       2.0,       2.0,       0.0);
     ( 411098.8, 3722975.3,       2.1,       2.1,       0.0);         ( 411118.8,
3722975.3,       2.1,       2.1,       0.0);
     ( 411138.8, 3722975.3,       2.1,       2.1,       0.0);         ( 411158.8,
3722975.3,       2.1,       2.1,       0.0);
     ( 411178.8, 3722975.3,       2.2,       2.2,       0.0);         ( 411198.8,
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3722975.3,       2.2,       2.2,       0.0);
     ( 411218.8, 3722975.3,       2.4,       2.4,       0.0);         ( 413054.8,
3727884.1,       6.6,       6.6,       0.0);
     ( 413074.8, 3727884.1,       6.3,       6.3,       0.0);         ( 413094.8,
3727884.1,       6.5,       6.5,       0.0);
     ( 413114.8, 3727884.1,       6.7,       6.7,       0.0);         ( 413134.8,
3727884.1,       6.7,       6.7,       0.0);
     ( 413154.8, 3727884.1,       6.3,       6.3,       0.0);         ( 413174.8,
3727884.1,       6.3,       6.3,       0.0);
     ( 413194.8, 3727884.1,       6.5,       6.5,       0.0);         ( 413214.8,
3727884.1,       6.7,       6.7,       0.0);
     ( 413234.8, 3727884.1,       6.8,       6.8,       0.0);         ( 413254.8,
3727884.1,       6.5,       6.5,       0.0);
     ( 413274.8, 3727884.1,       6.9,       6.9,       0.0);         ( 413294.8,
3727884.1,       7.3,       7.3,       0.0);
     ( 413314.8, 3727884.1,       8.1,       8.1,       0.0);         ( 413334.8,
3727884.1,       8.1,       8.1,       0.0);
     ( 413354.8, 3727884.1,       8.0,       8.0,       0.0);         ( 413374.8,
3727884.1,       9.0,       9.0,       0.0);
     ( 413394.8, 3727884.1,       9.6,      12.3,       0.0);         ( 413414.8,
3727884.1,      12.3,      12.3,       0.0);
     ( 413434.8, 3727884.1,      11.9,      11.9,       0.0);         ( 413454.8,
3727884.1,      12.2,      12.2,       0.0);
     ( 413474.8, 3727884.1,      12.5,      12.5,       0.0);         ( 413494.8,
3727884.1,      12.5,      12.5,       0.0);
     ( 413514.8, 3727884.1,      12.0,      12.0,       0.0);         ( 413534.8,
3727884.1,      12.2,      12.2,       0.0);
     ( 413554.8, 3727884.1,      12.8,      12.8,       0.0);         ( 413574.8,
3727884.1,      12.7,      12.7,       0.0);
     ( 413594.8, 3727884.1,      12.0,      12.0,       0.0);         ( 413614.8,
3727884.1,      12.3,      12.3,       0.0);
     ( 413634.8, 3727884.1,      12.8,      12.8,       0.0);         ( 413654.8,
3727884.1,      12.8,      12.8,       0.0);
     ( 413674.8, 3727884.1,      12.5,      12.5,       0.0);         ( 413694.8,
3727884.1,      12.6,      12.6,       0.0);
     ( 413714.8, 3727884.1,      12.9,      12.9,       0.0);         ( 413734.8,
3727884.1,      12.8,      12.8,       0.0);
     ( 413054.8, 3727904.1,       6.8,       6.8,       0.0);         ( 413074.8,
3727904.1,       6.5,       6.5,       0.0);
     ( 413094.8, 3727904.1,       6.4,       6.4,       0.0);         ( 413114.8,
3727904.1,       6.7,       6.7,       0.0);
     ( 413134.8, 3727904.1,       6.8,       6.8,       0.0);         ( 413154.8,
3727904.1,       6.7,       6.7,       0.0);
     ( 413174.8, 3727904.1,       6.3,       6.3,       0.0);         ( 413194.8,
3727904.1,       6.5,       6.5,       0.0);
     ( 413214.8, 3727904.1,       6.7,       6.7,       0.0);         ( 413234.8,
3727904.1,       6.8,       6.8,       0.0);
     ( 413254.8, 3727904.1,       6.7,       6.7,       0.0);         ( 413274.8,
3727904.1,       6.7,       6.7,       0.0);
     ( 413294.8, 3727904.1,       7.3,       7.3,       0.0);         ( 413314.8,
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3727904.1,   8.1,   8.1,   0.0);
     (413334.8, 3727904.1,   8.3,   8.3,   0.0);   (413354.8,
3727904.1,   7.9,   7.9,   0.0);
     (413374.8, 3727904.1,   8.9,   8.9,   0.0);   (413394.8,
3727904.1,   9.5,   12.3,   0.0);
     (413414.8, 3727904.1,   12.1,   12.1,   0.0);   (413434.8,
3727904.1,   11.8,   11.8,   0.0);
     (413454.8, 3727904.1,   12.1,   12.1,   0.0);   (413474.8,
3727904.1,   12.4,   12.4,   0.0);
     (413494.8, 3727904.1,   12.4,   12.4,   0.0);   (413514.8,
3727904.1,   11.8,   11.8,   0.0);
     (413534.8, 3727904.1,   12.2,   12.2,   0.0);   (413554.8,
3727904.1,   12.7,   12.7,   0.0);
     (413574.8, 3727904.1,   12.6,   12.6,   0.0);   (413594.8,
3727904.1,   11.9,   11.9,   0.0);
     (413614.8, 3727904.1,   12.2,   12.2,   0.0);   (413634.8,
3727904.1,   12.6,   12.6,   0.0);
     (413654.8, 3727904.1,   12.7,   12.7,   0.0);   (413674.8,
3727904.1,   12.3,   12.3,   0.0);
     (413694.8, 3727904.1,   12.5,   12.5,   0.0);   (413714.8,
3727904.1,   12.7,   12.7,   0.0);
     (413734.8, 3727904.1,   12.7,   12.7,   0.0);   (413054.8,
3727924.1,   6.6,   6.6,   0.0);
     (413074.8, 3727924.1,   6.8,   6.8,   0.0);   (413094.8,
3727924.1,   6.4,   6.4,   0.0);
     (413114.8, 3727924.1,   6.7,   6.7,   0.0);   (413134.8,
3727924.1,   6.8,   6.8,   0.0);

                                        *** DISCRETE CARTESIAN RECEPTORS ***
                                    (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                (METERS)

     (413154.8, 3727924.1,   6.9,   6.9,   0.0);   (413174.8,
3727924.1,   6.5,   6.5,   0.0);
     (413194.8, 3727924.1,   6.4,   6.4,   0.0);   (413214.8,
3727924.1,   6.8,   6.8,   0.0);
     (413234.8, 3727924.1,   7.0,   7.0,   0.0);   (413254.8,
3727924.1,   7.0,   7.0,   0.0);
     (413274.8, 3727924.1,   6.7,   6.7,   0.0);   (413294.8,
3727924.1,   7.3,   7.3,   0.0);
     (413314.8, 3727924.1,   7.8,   7.8,   0.0);   (413334.8,
3727924.1,   8.1,   8.1,   0.0);
     (413354.8, 3727924.1,   7.9,   7.9,   0.0);   (413374.8,

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3727924.1,       8.5,      12.2,       0.0);
     ( 413394.8, 3727924.1,       9.4,      12.2,       0.0);         ( 413414.8,
3727924.1,      12.2,      12.2,       0.0);
     ( 413434.8, 3727924.1,      11.7,      11.7,       0.0);         ( 413454.8,
3727924.1,      12.0,      12.0,       0.0);
     ( 413474.8, 3727924.1,      12.3,      12.3,       0.0);         ( 413494.8,
3727924.1,      12.2,      12.2,       0.0);
     ( 413514.8, 3727924.1,      11.7,      11.7,       0.0);         ( 413534.8,
3727924.1,      12.0,      12.0,       0.0);
     ( 413554.8, 3727924.1,      12.5,      12.5,       0.0);         ( 413574.8,
3727924.1,      12.4,      12.4,       0.0);
     ( 413594.8, 3727924.1,      11.8,      11.8,       0.0);         ( 413614.8,
3727924.1,      12.1,      12.1,       0.0);
     ( 413634.8, 3727924.1,      12.4,      12.4,       0.0);         ( 413654.8,
3727924.1,      12.5,      12.5,       0.0);
     ( 413674.8, 3727924.1,      12.2,      12.2,       0.0);         ( 413694.8,
3727924.1,      12.3,      12.3,       0.0);
     ( 413714.8, 3727924.1,      12.6,      12.6,       0.0);         ( 413734.8,
3727924.1,      12.6,      12.6,       0.0);
     ( 413054.8, 3727944.1,       5.0,      11.3,       0.0);         ( 413074.8,
3727944.1,       6.9,       6.9,       0.0);
     ( 413094.8, 3727944.1,       6.7,       6.7,       0.0);         ( 413114.8,
3727944.1,       6.5,       6.5,       0.0);
     ( 413134.8, 3727944.1,       6.9,       6.9,       0.0);         ( 413154.8,
3727944.1,       6.9,       6.9,       0.0);
     ( 413174.8, 3727944.1,       6.8,       6.8,       0.0);         ( 413194.8,
3727944.1,       6.4,       6.4,       0.0);
     ( 413214.8, 3727944.1,       6.8,       6.8,       0.0);         ( 413234.8,
3727944.1,       7.0,       7.0,       0.0);
     ( 413254.8, 3727944.1,       7.0,       7.0,       0.0);         ( 413274.8,
3727944.1,       6.7,       6.7,       0.0);
     ( 413294.8, 3727944.1,       7.0,       7.0,       0.0);         ( 413314.8,
3727944.1,       7.5,       7.5,       0.0);
     ( 413334.8, 3727944.1,       7.8,       7.8,       0.0);         ( 413354.8,
3727944.1,       7.8,       7.8,       0.0);
     ( 413374.8, 3727944.1,       8.6,       8.6,       0.0);         ( 413394.8,
3727944.1,       9.5,      12.2,       0.0);
     ( 413414.8, 3727944.1,      12.1,      12.1,       0.0);         ( 413434.8,
3727944.1,      11.6,      11.6,       0.0);
     ( 413454.8, 3727944.1,      11.9,      11.9,       0.0);         ( 413474.8,
3727944.1,      12.2,      12.2,       0.0);
     ( 413494.8, 3727944.1,      12.1,      12.1,       0.0);         ( 413514.8,
3727944.1,      11.6,      11.6,       0.0);
     ( 413534.8, 3727944.1,      11.9,      11.9,       0.0);         ( 413554.8,
3727944.1,      12.3,      12.3,       0.0);
     ( 413574.8, 3727944.1,      12.2,      12.2,       0.0);         ( 413594.8,
3727944.1,      11.7,      11.7,       0.0);
     ( 413614.8, 3727944.1,      12.0,      12.0,       0.0);         ( 413634.8,
3727944.1,      12.4,      12.4,       0.0);
     ( 413654.8, 3727944.1,      12.4,      12.4,       0.0);         ( 413674.8,
```

3727944.1,   12.0,   12.0,   0.0);
     (413694.8, 3727944.1,   12.2,   12.2,   0.0);   (413714.8,
3727944.1,   12.4,   12.4,   0.0);
     (413734.8, 3727944.1,   12.4,   12.4,   0.0);   (413054.8,
3727964.1,   3.4,   11.3,   0.0);
     (413074.8, 3727964.1,   6.7,   6.7,   0.0);   (413094.8,
3727964.1,   6.9,   6.9,   0.0);
     (413114.8, 3727964.1,   6.5,   6.5,   0.0);   (413134.8,
3727964.1,   6.8,   6.8,   0.0);
     (413154.8, 3727964.1,   7.0,   7.0,   0.0);   (413174.8,
3727964.1,   7.0,   7.0,   0.0);
     (413194.8, 3727964.1,   6.7,   6.7,   0.0);   (413214.8,
3727964.1,   6.5,   6.5,   0.0);
     (413234.8, 3727964.1,   6.7,   6.7,   0.0);   (413254.8,
3727964.1,   6.6,   6.6,   0.0);
     (413274.8, 3727964.1,   6.9,   6.9,   0.0);   (413294.8,
3727964.1,   7.4,   7.4,   0.0);
     (413314.8, 3727964.1,   8.1,   8.1,   0.0);   (413334.8,
3727964.1,   8.2,   8.2,   0.0);
     (413354.8, 3727964.1,   8.7,   8.7,   0.0);   (413374.8,
3727964.1,   9.0,   9.0,   0.0);
     (413394.8, 3727964.1,   9.5,   12.1,   0.0);   (413414.8,
3727964.1,   12.0,   12.0,   0.0);
     (413434.8, 3727964.1,   11.5,   11.5,   0.0);   (413454.8,
3727964.1,   11.8,   11.8,   0.0);
     (413474.8, 3727964.1,   12.0,   12.0,   0.0);   (413494.8,
3727964.1,   12.0,   12.0,   0.0);
     (413514.8, 3727964.1,   11.4,   11.4,   0.0);   (413534.8,
3727964.1,   11.7,   11.7,   0.0);

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                              (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                          (METERS)

     (413554.8, 3727964.1,   12.2,   12.2,   0.0);   (413574.8,
3727964.1,   12.2,   12.2,   0.0);
     (413594.8, 3727964.1,   11.6,   11.6,   0.0);   (413614.8,
3727964.1,   11.9,   11.9,   0.0);
     (413634.8, 3727964.1,   12.2,   12.2,   0.0);   (413654.8,
3727964.1,   12.2,   12.2,   0.0);
     (413674.8, 3727964.1,   11.8,   11.8,   0.0);   (413694.8,
3727964.1,   12.1,   12.1,   0.0);
     (413714.8, 3727964.1,   12.4,   12.4,   0.0);   (413734.8,

```
3727964.1,      12.3,      12.3,       0.0);
     ( 413054.8, 3727984.1,       4.7,      11.3,       0.0);         ( 413074.8,
3727984.1,       5.1,      11.3,       0.0);
     ( 413094.8, 3727984.1,       7.0,       7.0,       0.0);         ( 413114.8,
3727984.1,       6.8,       6.8,       0.0);
     ( 413134.8, 3727984.1,       6.6,       6.6,       0.0);         ( 413154.8,
3727984.1,       7.0,       7.0,       0.0);
     ( 413174.8, 3727984.1,       7.0,       7.0,       0.0);         ( 413194.8,
3727984.1,       7.0,       7.0,       0.0);
     ( 413214.8, 3727984.1,       6.5,       6.5,       0.0);         ( 413234.8,
3727984.1,       6.6,       6.6,       0.0);
     ( 413254.8, 3727984.1,       6.9,       6.9,       0.0);         ( 413274.8,
3727984.1,       7.3,      10.0,       0.0);
     ( 413294.8, 3727984.1,       8.6,      10.2,       0.0);         ( 413314.8,
3727984.1,       9.6,      10.1,       0.0);
     ( 413334.8, 3727984.1,       9.8,      10.2,       0.0);         ( 413354.8,
3727984.1,      10.0,      10.0,       0.0);
     ( 413374.8, 3727984.1,      10.3,      10.3,       0.0);         ( 413394.8,
3727984.1,      10.6,      10.6,       0.0);
     ( 413414.8, 3727984.1,      11.9,      11.9,       0.0);         ( 413434.8,
3727984.1,      11.4,      11.4,       0.0);
     ( 413454.8, 3727984.1,      11.4,      11.4,       0.0);         ( 413474.8,
3727984.1,      11.4,      11.4,       0.0);
     ( 413494.8, 3727984.1,      11.3,      11.3,       0.0);         ( 413514.8,
3727984.1,      11.1,      11.1,       0.0);
     ( 413534.8, 3727984.1,      11.2,      11.2,       0.0);         ( 413554.8,
3727984.1,      11.4,      11.4,       0.0);
     ( 413574.8, 3727984.1,      11.5,      11.5,       0.0);         ( 413594.8,
3727984.1,      11.4,      11.4,       0.0);
     ( 413614.8, 3727984.1,      11.8,      11.8,       0.0);         ( 413634.8,
3727984.1,      12.2,      12.2,       0.0);
     ( 413654.8, 3727984.1,      12.0,      12.0,       0.0);         ( 413674.8,
3727984.1,      11.7,      11.7,       0.0);
     ( 413694.8, 3727984.1,      11.9,      11.9,       0.0);         ( 413714.8,
3727984.1,      12.3,      12.3,       0.0);
     ( 413734.8, 3727984.1,      12.2,      12.2,       0.0);         ( 413114.8,
3728004.1,       7.0,       7.0,       0.0);
     ( 413134.8, 3728004.1,       6.6,       6.6,       0.0);         ( 413154.8,
3728004.1,       6.9,       6.9,       0.0);
     ( 413174.8, 3728004.1,       7.0,       7.0,       0.0);         ( 413194.8,
3728004.1,       7.1,       7.1,       0.0);
     ( 413214.8, 3728004.1,       6.7,       6.7,       0.0);         ( 413234.8,
3728004.1,       6.7,       6.7,       0.0);
     ( 413254.8, 3728004.1,       7.2,       7.2,       0.0);         ( 413274.8,
3728004.1,       7.7,      10.2,       0.0);
     ( 413294.8, 3728004.1,      10.2,      10.2,       0.0);         ( 413314.8,
3728004.1,      10.2,      10.2,       0.0);
     ( 413334.8, 3728004.1,      10.2,      10.2,       0.0);         ( 413354.8,
3728004.1,      10.4,      10.4,       0.0);
     ( 413374.8, 3728004.1,      10.7,      10.7,       0.0);         ( 413394.8,
```

3728004.1,   10.9,   10.9,   0.0);
     (413414.8, 3728004.1,   11.6,   11.6,   0.0);   (413434.8,
3728004.1,   11.3,   11.3,   0.0);
     (413454.8, 3728004.1,   11.4,   11.4,   0.0);   (413474.8,
3728004.1,   11.6,   11.6,   0.0);
     (413494.8, 3728004.1,   11.5,   11.5,   0.0);   (413514.8,
3728004.1,   11.1,   11.1,   0.0);
     (413534.8, 3728004.1,   11.4,   11.4,   0.0);   (413554.8,
3728004.1,   11.7,   11.7,   0.0);
     (413574.8, 3728004.1,   11.9,   11.9,   0.0);   (413594.8,
3728004.1,   11.4,   11.4,   0.0);
     (413614.8, 3728004.1,   11.7,   11.7,   0.0);   (413634.8,
3728004.1,   12.1,   12.1,   0.0);
     (413654.8, 3728004.1,   11.9,   11.9,   0.0);   (413674.8,
3728004.1,   11.5,   11.5,   0.0);
     (413694.8, 3728004.1,   11.6,   11.6,   0.0);   (413714.8,
3728004.1,   11.9,   11.9,   0.0);
     (413734.8, 3728004.1,   12.1,   12.1,   0.0);   (413114.8,
3728024.1,   7.1,   7.1,   0.0);
     (413134.8, 3728024.1,   6.9,   6.9,   0.0);   (413154.8,
3728024.1,   6.7,   6.7,   0.0);
     (413174.8, 3728024.1,   7.1,   7.1,   0.0);   (413194.8,
3728024.1,   7.1,   7.1,   0.0);
     (413214.8, 3728024.1,   7.0,   7.0,   0.0);   (413234.8,
3728024.1,   6.6,   6.6,   0.0);
     (413254.8, 3728024.1,   7.2,   7.2,   0.0);   (413274.8,
3728024.1,   7.8,   10.2,   0.0);
     (413294.8, 3728024.1,   10.2,   10.2,   0.0);   (413314.8,
3728024.1,   9.8,   9.8,   0.0);
     (413334.8, 3728024.1,   9.8,   9.8,   0.0);   (413354.8,
3728024.1,   10.0,   10.0,   0.0);

                                        *** DISCRETE CARTESIAN RECEPTORS ***
                                      (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                (METERS)

     (413374.8, 3728024.1,   10.2,   10.2,   0.0);   (413394.8,
3728024.1,   10.5,   10.5,   0.0);
     (413414.8, 3728024.1,   10.8,   10.8,   0.0);   (413434.8,
3728024.1,   11.1,   11.1,   0.0);
     (413454.8, 3728024.1,   11.4,   11.4,   0.0);   (413474.8,
3728024.1,   11.7,   11.7,   0.0);
     (413494.8, 3728024.1,   11.5,   11.5,   0.0);   (413514.8,

3728024.1,   11.0,   11.0,   0.0);
     (413534.8, 3728024.1,   11.3,   11.3,   0.0);   (413554.8,
3728024.1,   11.8,   11.8,   0.0);
     (413574.8, 3728024.1,   12.0,   12.0,   0.0);   (413594.8,
3728024.1,   11.3,   11.3,   0.0);
     (413614.8, 3728024.1,   11.6,   11.6,   0.0);   (413634.8,
3728024.1,   11.9,   11.9,   0.0);
     (413654.8, 3728024.1,   11.8,   11.8,   0.0);   (413674.8,
3728024.1,   11.4,   11.4,   0.0);
     (413694.8, 3728024.1,   11.5,   11.5,   0.0);   (413714.8,
3728024.1,   11.8,   11.8,   0.0);
     (413734.8, 3728024.1,   12.0,   12.0,   0.0);   (413114.8,
3728044.1,   6.8,   6.8,   0.0);
     (413134.8, 3728044.1,   7.1,   7.1,   0.0);   (413154.8,
3728044.1,   6.7,   6.7,   0.0);
     (413174.8, 3728044.1,   7.0,   7.0,   0.0);   (413194.8,
3728044.1,   7.1,   7.1,   0.0);
     (413214.8, 3728044.1,   7.0,   7.0,   0.0);   (413234.8,
3728044.1,   6.8,   6.8,   0.0);
     (413254.8, 3728044.1,   7.2,   7.2,   0.0);   (413274.8,
3728044.1,   7.9,   10.2,   0.0);
     (413294.8, 3728044.1,   10.2,   10.2,   0.0);   (413314.8,
3728044.1,   9.7,   9.7,   0.0);
     (413334.8, 3728044.1,   10.0,   10.0,   0.0);   (413354.8,
3728044.1,   10.4,   10.4,   0.0);
     (413374.8, 3728044.1,   10.7,   10.7,   0.0);   (413394.8,
3728044.1,   11.0,   11.0,   0.0);
     (413414.8, 3728044.1,   11.4,   11.4,   0.0);   (413434.8,
3728044.1,   11.2,   11.2,   0.0);
     (413454.8, 3728044.1,   11.3,   11.3,   0.0);   (413474.8,
3728044.1,   11.6,   11.6,   0.0);
     (413494.8, 3728044.1,   11.4,   11.4,   0.0);   (413514.8,
3728044.1,   10.9,   10.9,   0.0);
     (413534.8, 3728044.1,   11.2,   11.2,   0.0);   (413554.8,
3728044.1,   11.6,   11.6,   0.0);
     (413574.8, 3728044.1,   11.8,   11.8,   0.0);   (413594.8,
3728044.1,   11.1,   11.1,   0.0);
     (413614.8, 3728044.1,   11.4,   11.4,   0.0);   (413634.8,
3728044.1,   11.8,   11.8,   0.0);
     (413654.8, 3728044.1,   11.6,   11.6,   0.0);   (413674.8,
3728044.1,   11.2,   11.2,   0.0);
     (413694.8, 3728044.1,   11.4,   11.4,   0.0);   (413714.8,
3728044.1,   11.7,   11.7,   0.0);
     (413734.8, 3728044.1,   11.8,   11.8,   0.0);   (413134.8,
3728064.1,   7.2,   7.2,   0.0);
     (413154.8, 3728064.1,   7.0,   7.0,   0.0);   (413174.8,
3728064.1,   6.8,   6.8,   0.0);
     (413194.8, 3728064.1,   7.0,   7.0,   0.0);   (413214.8,
3728064.1,   7.1,   7.1,   0.0);
     (413234.8, 3728064.1,   6.9,   6.9,   0.0);   (413254.8,

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3728064.1,       7.3,       7.3,       0.0);
     ( 413274.8, 3728064.1,       7.9,      10.1,       0.0);         ( 413294.8,
3728064.1,      10.1,      10.1,       0.0);
     ( 413314.8, 3728064.1,       9.6,       9.6,       0.0);         ( 413334.8,
3728064.1,      10.0,      10.0,       0.0);
     ( 413354.8, 3728064.1,      10.4,      10.4,       0.0);         ( 413374.8,
3728064.1,      10.6,      10.6,       0.0);
     ( 413394.8, 3728064.1,      10.8,      10.8,       0.0);         ( 413414.8,
3728064.1,      11.5,      11.5,       0.0);
     ( 413434.8, 3728064.1,      11.1,      11.1,       0.0);         ( 413454.8,
3728064.1,      11.2,      11.2,       0.0);
     ( 413474.8, 3728064.1,      11.5,      11.5,       0.0);         ( 413494.8,
3728064.1,      11.3,      11.3,       0.0);
     ( 413514.8, 3728064.1,      10.8,      10.8,       0.0);         ( 413534.8,
3728064.1,      11.1,      11.1,       0.0);
     ( 413554.8, 3728064.1,      11.5,      11.5,       0.0);         ( 413574.8,
3728064.1,      11.6,      11.6,       0.0);
     ( 413594.8, 3728064.1,      11.0,      11.0,       0.0);         ( 413614.8,
3728064.1,      11.3,      11.3,       0.0);
     ( 413634.8, 3728064.1,      11.2,      11.2,       0.0);         ( 413654.8,
3728064.1,      11.0,      11.0,       0.0);
     ( 413674.8, 3728064.1,      10.9,      10.9,       0.0);         ( 413694.8,
3728064.1,      11.0,      11.0,       0.0);
     ( 413714.8, 3728064.1,      11.1,      11.1,       0.0);         ( 413734.8,
3728064.1,      11.2,      11.2,       0.0);
     ( 413134.8, 3728084.1,       6.6,       7.2,       0.0);         ( 413154.8,
3728084.1,       7.3,       7.3,       0.0);
     ( 413174.8, 3728084.1,       6.8,       6.8,       0.0);         ( 413194.8,
3728084.1,       6.8,       6.8,       0.0);
     ( 413214.8, 3728084.1,       7.2,       7.2,       0.0);         ( 413234.8,
3728084.1,       6.9,       6.9,       0.0);
     ( 413254.8, 3728084.1,       7.4,       7.4,       0.0);         ( 413274.8,
3728084.1,       8.0,      10.0,       0.0);
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***       05/26/20
 *** AERMET - VERSION  16216 ***   ***
                         ***       16:48:31

                                   PAGE 263
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                        (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                  (METERS)

     ( 413294.8, 3728084.1,      10.0,      10.0,       0.0);         ( 413314.8,
3728084.1,       9.6,       9.6,       0.0);
     ( 413334.8, 3728084.1,       9.8,       9.8,       0.0);         ( 413354.8,
3728084.1,      10.1,      10.1,       0.0);
     ( 413374.8, 3728084.1,      10.4,      10.4,       0.0);         ( 413394.8,
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3728084.1,      10.7,      10.7,       0.0);
     ( 413414.8, 3728084.1,      11.4,      11.4,       0.0);         ( 413434.8,
3728084.1,      11.0,      11.0,       0.0);
     ( 413454.8, 3728084.1,      11.1,      11.1,       0.0);         ( 413474.8,
3728084.1,      11.4,      11.4,       0.0);
     ( 413494.8, 3728084.1,      11.3,      11.3,       0.0);         ( 413514.8,
3728084.1,      10.8,      10.8,       0.0);
     ( 413534.8, 3728084.1,      11.0,      11.0,       0.0);         ( 413554.8,
3728084.1,      11.4,      11.4,       0.0);
     ( 413574.8, 3728084.1,      11.5,      11.5,       0.0);         ( 413594.8,
3728084.1,      11.0,      11.0,       0.0);
     ( 413614.8, 3728084.1,      10.6,      10.6,       0.0);         ( 413634.8,
3728084.1,      10.6,      10.6,       0.0);
     ( 413654.8, 3728084.1,      10.9,      10.9,       0.0);         ( 413674.8,
3728084.1,      10.9,      10.9,       0.0);
     ( 413694.8, 3728084.1,      11.1,      11.1,       0.0);         ( 413714.8,
3728084.1,      11.4,      11.4,       0.0);
     ( 413734.8, 3728084.1,      11.3,      11.3,       0.0);         ( 413134.8,
3728104.1,       4.5,      11.6,       0.0);
     ( 413154.8, 3728104.1,       7.3,       7.3,       0.0);         ( 413174.8,
3728104.1,       7.0,       7.0,       0.0);
     ( 413194.8, 3728104.1,       6.7,       6.7,       0.0);         ( 413214.8,
3728104.1,       7.0,       7.0,       0.0);
     ( 413234.8, 3728104.1,       6.9,       6.9,       0.0);         ( 413254.8,
3728104.1,       7.5,       7.5,       0.0);
     ( 413274.8, 3728104.1,       8.1,      10.0,       0.0);         ( 413294.8,
3728104.1,      10.0,      10.0,       0.0);
     ( 413314.8, 3728104.1,       9.5,       9.5,       0.0);         ( 413334.8,
3728104.1,       9.4,       9.4,       0.0);
     ( 413354.8, 3728104.1,       9.8,       9.8,       0.0);         ( 413374.8,
3728104.1,      10.3,      10.3,       0.0);
     ( 413394.8, 3728104.1,      10.7,      10.7,       0.0);         ( 413414.8,
3728104.1,      11.3,      11.3,       0.0);
     ( 413434.8, 3728104.1,      10.9,      10.9,       0.0);         ( 413454.8,
3728104.1,      11.0,      11.0,       0.0);
     ( 413474.8, 3728104.1,      11.2,      11.2,       0.0);         ( 413494.8,
3728104.1,      11.2,      11.2,       0.0);
     ( 413514.8, 3728104.1,      10.7,      10.7,       0.0);         ( 413534.8,
3728104.1,      10.9,      10.9,       0.0);
     ( 413554.8, 3728104.1,      11.3,      11.3,       0.0);         ( 413574.8,
3728104.1,      11.3,      11.3,       0.0);
     ( 413594.8, 3728104.1,      11.0,      11.0,       0.0);         ( 413614.8,
3728104.1,      10.4,      10.4,       0.0);
     ( 413634.8, 3728104.1,      10.8,      10.8,       0.0);         ( 413654.8,
3728104.1,      11.3,      11.3,       0.0);
     ( 413674.8, 3728104.1,      10.9,      10.9,       0.0);         ( 413694.8,
3728104.1,      11.1,      11.1,       0.0);
     ( 413714.8, 3728104.1,      11.4,      11.4,       0.0);         ( 413734.8,
3728104.1,      11.0,      11.0,       0.0);
     ( 413174.8, 3728124.1,       7.1,       7.1,       0.0);         ( 413194.8,
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3728124.1,       6.8,       6.8,       0.0);
     ( 413214.8, 3728124.1,       6.8,       6.8,       0.0);         ( 413234.8,
3728124.1,       7.2,       7.2,       0.0);
     ( 413254.8, 3728124.1,       7.6,       7.6,       0.0);         ( 413274.8,
3728124.1,       8.3,       9.7,       0.0);
     ( 413294.8, 3728124.1,       9.8,       9.8,       0.0);         ( 413314.8,
3728124.1,       9.3,       9.3,       0.0);
     ( 413334.8, 3728124.1,       9.8,       9.8,       0.0);         ( 413354.8,
3728124.1,      10.1,      10.1,       0.0);
     ( 413374.8, 3728124.1,      10.5,      10.5,       0.0);         ( 413394.8,
3728124.1,      10.6,      10.6,       0.0);
     ( 413414.8, 3728124.1,      11.2,      11.2,       0.0);         ( 413434.8,
3728124.1,      10.8,      10.8,       0.0);
     ( 413454.8, 3728124.1,      10.9,      10.9,       0.0);         ( 413474.8,
3728124.1,      11.1,      11.1,       0.0);
     ( 413494.8, 3728124.1,      11.2,      11.2,       0.0);         ( 413514.8,
3728124.1,      10.6,      10.6,       0.0);
     ( 413534.8, 3728124.1,      10.8,      10.8,       0.0);         ( 413554.8,
3728124.1,      11.1,      11.1,       0.0);
     ( 413574.8, 3728124.1,      10.9,      10.9,       0.0);         ( 413594.8,
3728124.1,      10.4,      10.4,       0.0);
     ( 413614.8, 3728124.1,      10.5,      10.5,       0.0);         ( 413634.8,
3728124.1,      11.1,      11.1,       0.0);
     ( 413654.8, 3728124.1,      11.0,      11.0,       0.0);         ( 413674.8,
3728124.1,      10.5,      10.5,       0.0);
     ( 413694.8, 3728124.1,      10.7,      10.7,       0.0);         ( 413714.8,
3728124.1,      11.0,      11.0,       0.0);
     ( 413734.8, 3728124.1,      10.8,      10.8,       0.0);         ( 413174.8,
3728144.1,       7.2,       7.2,       0.0);
     ( 413194.8, 3728144.1,       7.1,       7.1,       0.0);         ( 413214.8,
3728144.1,       6.8,       6.8,       0.0);
     ( 413234.8, 3728144.1,       7.4,       7.4,       0.0);         ( 413254.8,
3728144.1,       7.8,       7.8,       0.0);
     ( 413274.8, 3728144.1,       8.8,       8.8,       0.0);         ( 413294.8,
3728144.1,       9.5,       9.5,       0.0);
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                        ***       05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***       16:48:31

                                  PAGE 264
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                        *** DISCRETE CARTESIAN RECEPTORS ***
                                      (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                (METERS)

     ( 413314.8, 3728144.1,       9.1,       9.1,       0.0);         ( 413334.8,
3728144.1,       9.6,       9.6,       0.0);
     ( 413354.8, 3728144.1,      10.0,      10.0,       0.0);         ( 413374.8,
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3728144.1,      10.1,      10.1,       0.0);
     ( 413394.8, 3728144.1,      10.3,      10.3,       0.0);         ( 413414.8,
3728144.1,      11.0,      11.0,       0.0);
     ( 413434.8, 3728144.1,      10.6,      10.6,       0.0);         ( 413454.8,
3728144.1,      10.7,      10.7,       0.0);
     ( 413474.8, 3728144.1,      10.9,      10.9,       0.0);         ( 413494.8,
3728144.1,      11.0,      11.0,       0.0);
     ( 413514.8, 3728144.1,      10.5,      10.5,       0.0);         ( 413534.8,
3728144.1,      10.8,      10.8,       0.0);
     ( 413554.8, 3728144.1,      11.0,      11.0,       0.0);         ( 413574.8,
3728144.1,      10.4,      10.4,       0.0);
     ( 413594.8, 3728144.1,      10.3,      10.3,       0.0);         ( 413614.8,
3728144.1,      10.8,      10.8,       0.0);
     ( 413634.8, 3728144.1,      11.1,      11.1,       0.0);         ( 413654.8,
3728144.1,      10.7,      10.7,       0.0);
     ( 413674.8, 3728144.1,      10.2,      10.2,       0.0);         ( 413694.8,
3728144.1,      10.3,      10.3,       0.0);
     ( 413714.8, 3728144.1,      10.7,      10.7,       0.0);         ( 413734.8,
3728144.1,      10.6,      10.6,       0.0);
     ( 413174.8, 3728164.1,       6.2,       7.1,       0.0);         ( 413194.8,
3728164.1,       7.1,       7.1,       0.0);
     ( 413214.8, 3728164.1,       7.0,       7.0,       0.0);         ( 413234.8,
3728164.1,       7.1,       7.1,       0.0);
     ( 413254.8, 3728164.1,       7.8,       7.8,       0.0);         ( 413274.8,
3728164.1,       9.0,       9.0,       0.0);
     ( 413294.8, 3728164.1,       9.4,       9.4,       0.0);         ( 413314.8,
3728164.1,       8.9,       8.9,       0.0);
     ( 413334.8, 3728164.1,       9.3,       9.3,       0.0);         ( 413354.8,
3728164.1,       9.5,       9.5,       0.0);
     ( 413374.8, 3728164.1,       9.9,       9.9,       0.0);         ( 413394.8,
3728164.1,      10.0,      10.0,       0.0);
     ( 413414.8, 3728164.1,      10.9,      10.9,       0.0);         ( 413434.8,
3728164.1,      10.5,      10.5,       0.0);
     ( 413454.8, 3728164.1,      10.6,      10.6,       0.0);         ( 413474.8,
3728164.1,      10.8,      10.8,       0.0);
     ( 413494.8, 3728164.1,      10.9,      10.9,       0.0);         ( 413514.8,
3728164.1,      10.5,      10.5,       0.0);
     ( 413534.8, 3728164.1,      10.5,      10.5,       0.0);         ( 413554.8,
3728164.1,      10.5,      10.5,       0.0);
     ( 413574.8, 3728164.1,      10.2,      10.2,       0.0);         ( 413594.8,
3728164.1,      10.6,      10.6,       0.0);
     ( 413614.8, 3728164.1,      10.8,      10.8,       0.0);         ( 413634.8,
3728164.1,      10.8,      10.8,       0.0);
     ( 413654.8, 3728164.1,      10.4,      10.4,       0.0);         ( 413674.8,
3728164.1,      10.0,      10.0,       0.0);
     ( 413694.8, 3728164.1,      10.1,      10.1,       0.0);         ( 413714.8,
3728164.1,      10.4,      10.4,       0.0);
     ( 413734.8, 3728164.1,      10.5,      10.5,       0.0);         ( 413174.8,
3728184.1,       3.9,      12.0,       0.0);
     ( 413194.8, 3728184.1,       7.1,       7.1,       0.0);         ( 413214.8,
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3728184.1,       7.3,       7.3,       0.0);
     ( 413234.8, 3728184.1,       7.1,       7.1,       0.0);         ( 413254.8,
3728184.1,       7.9,       7.9,       0.0);
     ( 413274.8, 3728184.1,       9.0,       9.0,       0.0);         ( 413294.8,
3728184.1,       9.0,       9.0,       0.0);
     ( 413314.8, 3728184.1,       8.5,       8.5,       0.0);         ( 413334.8,
3728184.1,       8.9,       8.9,       0.0);
     ( 413354.8, 3728184.1,       9.2,       9.2,       0.0);         ( 413374.8,
3728184.1,       9.7,       9.7,       0.0);
     ( 413394.8, 3728184.1,      10.1,      10.1,       0.0);         ( 413414.8,
3728184.1,      10.7,      10.7,       0.0);
     ( 413434.8, 3728184.1,      10.4,      10.4,       0.0);         ( 413454.8,
3728184.1,      10.5,      10.5,       0.0);
     ( 413474.8, 3728184.1,      10.6,      10.6,       0.0);         ( 413494.8,
3728184.1,      10.8,      10.8,       0.0);
     ( 413514.8, 3728184.1,      10.6,      10.6,       0.0);         ( 413534.8,
3728184.1,      10.0,      10.0,       0.0);
     ( 413554.8, 3728184.1,      10.0,      10.0,       0.0);         ( 413574.8,
3728184.1,      10.4,      10.4,       0.0);
     ( 413594.8, 3728184.1,      10.8,      10.8,       0.0);         ( 413614.8,
3728184.1,      10.5,      10.5,       0.0);
     ( 413634.8, 3728184.1,      10.4,      10.4,       0.0);         ( 413654.8,
3728184.1,      10.3,      10.3,       0.0);
     ( 413674.8, 3728184.1,       9.8,       9.8,       0.0);         ( 413694.8,
3728184.1,      10.0,      10.0,       0.0);
     ( 413714.8, 3728184.1,      10.3,      10.3,       0.0);         ( 413734.8,
3728184.1,      10.4,      10.4,       0.0);
     ( 413174.8, 3728204.1,       4.0,      12.0,       0.0);         ( 413194.8,
3728204.1,       5.7,      12.0,       0.0);
     ( 413214.8, 3728204.1,       7.5,       7.5,       0.0);         ( 413234.8,
3728204.1,       7.6,       7.6,       0.0);
     ( 413254.8, 3728204.1,       7.8,       7.8,       0.0);         ( 413274.8,
3728204.1,       8.8,       8.8,       0.0);
     ( 413294.8, 3728204.1,       8.4,       8.4,       0.0);         ( 413314.8,
3728204.1,       8.8,       8.8,       0.0);
     ( 413334.8, 3728204.1,       9.5,       9.5,       0.0);         ( 413354.8,
3728204.1,       9.7,       9.7,       0.0);
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***       05/26/20
 *** AERMET - VERSION  16216 ***   ***
                          ***       16:48:31

                                    PAGE 265
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                                  *** DISCRETE CARTESIAN RECEPTORS ***
                                                 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                              (METERS)

     ( 413374.8, 3728204.1,       9.9,       9.9,       0.0);         ( 413394.8,
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3728204.1,      10.1,      10.1,       0.0);
     ( 413414.8, 3728204.1,      10.6,      10.6,       0.0);         ( 413434.8,
3728204.1,      10.3,      10.3,       0.0);
     ( 413454.8, 3728204.1,      10.3,      10.3,       0.0);         ( 413474.8,
3728204.1,      10.5,      10.5,       0.0);
     ( 413494.8, 3728204.1,      10.5,      10.5,       0.0);         ( 413514.8,
3728204.1,      10.4,      10.4,       0.0);
     ( 413534.8, 3728204.1,       9.9,       9.9,       0.0);         ( 413554.8,
3728204.1,      10.2,      10.2,       0.0);
     ( 413574.8, 3728204.1,      10.7,      10.7,       0.0);         ( 413594.8,
3728204.1,      10.5,      10.5,       0.0);
     ( 413614.8, 3728204.1,      10.2,      10.2,       0.0);         ( 413634.8,
3728204.1,      10.2,      10.2,       0.0);
     ( 413654.8, 3728204.1,      10.2,      10.2,       0.0);         ( 413674.8,
3728204.1,       9.8,       9.8,       0.0);
     ( 413694.8, 3728204.1,       9.9,       9.9,       0.0);         ( 413714.8,
3728204.1,      10.1,      10.1,       0.0);
     ( 413734.8, 3728204.1,      10.0,      10.0,       0.0);         ( 413234.8,
3728224.1,       8.1,       8.1,       0.0);
     ( 413254.8, 3728224.1,       7.7,       7.7,       0.0);         ( 413274.8,
3728224.1,       7.9,       7.9,       0.0);
     ( 413294.8, 3728224.1,       8.4,       8.4,       0.0);         ( 413314.8,
3728224.1,       9.0,       9.0,       0.0);
     ( 413334.8, 3728224.1,       9.5,       9.5,       0.0);         ( 413354.8,
3728224.1,       9.7,       9.7,       0.0);
     ( 413374.8, 3728224.1,       9.8,       9.8,       0.0);         ( 413394.8,
3728224.1,       9.9,       9.9,       0.0);
     ( 413414.8, 3728224.1,      10.5,      10.5,       0.0);         ( 413434.8,
3728224.1,      10.1,      10.1,       0.0);
     ( 413454.8, 3728224.1,      10.1,      10.1,       0.0);         ( 413474.8,
3728224.1,      10.2,      10.2,       0.0);
     ( 413494.8, 3728224.1,      10.3,      10.3,       0.0);         ( 413514.8,
3728224.1,       9.8,       9.8,       0.0);
     ( 413534.8, 3728224.1,       9.9,       9.9,       0.0);         ( 413554.8,
3728224.1,      10.5,      10.5,       0.0);
     ( 413574.8, 3728224.1,      10.6,      10.6,       0.0);         ( 413594.8,
3728224.1,      10.3,      10.3,       0.0);
     ( 413614.8, 3728224.1,       9.8,       9.8,       0.0);         ( 413634.8,
3728224.1,       9.8,       9.8,       0.0);
     ( 413654.8, 3728224.1,      10.1,      10.1,       0.0);         ( 413674.8,
3728224.1,       9.7,       9.7,       0.0);
     ( 413694.8, 3728224.1,       9.6,       9.6,       0.0);         ( 413714.8,
3728224.1,       9.7,       9.7,       0.0);
     ( 413734.8, 3728224.1,       9.9,       9.9,       0.0);         ( 413234.8,
3728244.1,       7.9,       7.9,       0.0);
     ( 413254.8, 3728244.1,       8.3,       8.3,       0.0);         ( 413274.8,
3728244.1,       8.0,       8.0,       0.0);
     ( 413294.8, 3728244.1,       8.5,       8.5,       0.0);         ( 413314.8,
3728244.1,       9.1,       9.1,       0.0);
     ( 413334.8, 3728244.1,       9.5,       9.5,       0.0);         ( 413354.8,
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     (413374.8, 3728244.1, 9.6, 9.6, 0.0); (413394.8,
3728244.1, 9.8, 9.8, 0.0);
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3728244.1, 10.1, 10.1, 0.0);
     (413454.8, 3728244.1, 10.0, 10.0, 0.0); (413474.8,
3728244.1, 9.8, 9.8, 0.0);
     (413494.8, 3728244.1, 9.6, 9.6, 0.0); (413514.8,
3728244.1, 9.7, 9.7, 0.0);
     (413534.8, 3728244.1, 10.3, 10.3, 0.0); (413554.8,
3728244.1, 10.5, 10.5, 0.0);
     (413574.8, 3728244.1, 10.2, 10.2, 0.0); (413594.8,
3728244.1, 10.0, 10.0, 0.0);
     (413614.8, 3728244.1, 9.6, 9.6, 0.0); (413634.8,
3728244.1, 10.0, 10.0, 0.0);
     (413654.8, 3728244.1, 10.0, 10.0, 0.0); (413674.8,
3728244.1, 9.6, 9.6, 0.0);
     (413694.8, 3728244.1, 9.7, 9.7, 0.0); (413714.8,
3728244.1, 10.1, 10.1, 0.0);
     (413734.8, 3728244.1, 10.3, 10.3, 0.0); (413234.8,
3728264.1, 5.8, 8.7, 0.0);
     (413254.8, 3728264.1, 8.6, 8.6, 0.0); (413274.8,
3728264.1, 8.6, 8.6, 0.0);
     (413294.8, 3728264.1, 8.3, 8.3, 0.0); (413314.8,
3728264.1, 8.8, 8.8, 0.0);
     (413334.8, 3728264.1, 9.5, 9.5, 0.0); (413354.8,
3728264.1, 9.2, 9.2, 0.0);
     (413374.8, 3728264.1, 9.4, 9.4, 0.0); (413394.8,
3728264.1, 9.8, 9.8, 0.0);
     (413414.8, 3728264.1, 10.5, 10.5, 0.0); (413434.8,
3728264.1, 10.3, 10.3, 0.0);
     (413454.8, 3728264.1, 10.3, 10.3, 0.0); (413474.8,
3728264.1, 9.8, 9.8, 0.0);
     (413494.8, 3728264.1, 9.6, 9.6, 0.0); (413514.8,
3728264.1, 10.1, 10.1, 0.0);
     (413534.8, 3728264.1, 10.4, 10.4, 0.0); (413554.8,
3728264.1, 10.2, 10.2, 0.0);
     (413574.8, 3728264.1, 10.0, 10.0, 0.0); (413594.8,
3728264.1, 9.6, 9.6, 0.0);

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```
     ( 413614.8, 3728264.1,      10.0,      10.0,       0.0);         ( 413634.8,
3728264.1,      10.2,      10.2,       0.0);
     ( 413654.8, 3728264.1,       9.9,       9.9,       0.0);         ( 413674.8,
3728264.1,       9.5,       9.5,       0.0);
     ( 413694.8, 3728264.1,       9.6,       9.6,       0.0);         ( 413714.8,
3728264.1,       9.9,       9.9,       0.0);
     ( 413734.8, 3728264.1,       9.7,       9.7,       0.0);         ( 413234.8,
3728284.1,       5.3,      12.6,       0.0);
     ( 413254.8, 3728284.1,       6.5,       9.0,       0.0);         ( 413274.8,
3728284.1,       8.9,       8.9,       0.0);
     ( 413294.8, 3728284.1,       8.9,       8.9,       0.0);         ( 413314.8,
3728284.1,       8.7,       8.7,       0.0);
     ( 413334.8, 3728284.1,       8.8,       8.8,       0.0);         ( 413354.8,
3728284.1,       9.1,       9.1,       0.0);
     ( 413374.8, 3728284.1,       9.7,       9.7,       0.0);         ( 413394.8,
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     ( 413414.8, 3728284.1,      10.0,      10.0,       0.0);         ( 413434.8,
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     ( 413494.8, 3728284.1,       9.6,       9.6,       0.0);         ( 413514.8,
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     ( 413534.8, 3728284.1,      10.0,      10.0,       0.0);         ( 413554.8,
3728284.1,      10.0,      10.0,       0.0);
     ( 413574.8, 3728284.1,       9.6,       9.6,       0.0);         ( 413594.8,
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     ( 413614.8, 3728284.1,      10.1,      10.1,       0.0);         ( 413634.8,
3728284.1,      10.0,      10.0,       0.0);
     ( 413654.8, 3728284.1,       9.9,       9.9,       0.0);         ( 413674.8,
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     ( 413694.8, 3728284.1,       9.3,       9.3,       0.0);         ( 413714.8,
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     ( 413274.8, 3728304.1,       6.2,       9.2,       0.0);         ( 413294.8,
3728304.1,       9.0,       9.0,       0.0);
     ( 413314.8, 3728304.1,       9.2,       9.2,       0.0);         ( 413334.8,
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     ( 413354.8, 3728304.1,       9.1,       9.1,       0.0);         ( 413374.8,
3728304.1,       9.3,       9.3,       0.0);
     ( 413394.8, 3728304.1,       9.5,       9.5,       0.0);         ( 413414.8,
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     ( 413434.8, 3728304.1,       9.7,       9.7,       0.0);         ( 413454.8,
3728304.1,       9.6,       9.6,       0.0);
     ( 413474.8, 3728304.1,       9.2,       9.2,       0.0);         ( 413494.8,
3728304.1,       9.4,       9.4,       0.0);
     ( 413514.8, 3728304.1,       9.6,       9.6,       0.0);         ( 413534.8,
3728304.1,       9.7,       9.7,       0.0);
     ( 413554.8, 3728304.1,       9.7,       9.7,       0.0);         ( 413574.8,
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     ( 413594.8, 3728304.1,       9.7,       9.7,       0.0);         ( 413614.8,
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     ( 413674.8, 3728304.1,       9.3,       9.3,       0.0);         ( 413694.8,
3728304.1,       9.1,       9.1,       0.0);
     ( 413714.8, 3728304.1,       9.1,       9.1,       0.0);         ( 413734.8,
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     ( 413254.8, 3728324.1,       8.4,       8.4,       0.0);         ( 413274.8,
3728324.1,       6.1,       9.0,       0.0);
     ( 413294.8, 3728324.1,       5.1,       9.6,       0.0);         ( 413314.8,
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     ( 413334.8, 3728324.1,       9.5,       9.5,       0.0);         ( 413354.8,
3728324.1,       9.7,       9.7,       0.0);
     ( 413374.8, 3728324.1,       9.6,       9.6,       0.0);         ( 413394.8,
3728324.1,       9.5,       9.5,       0.0);
     ( 413414.8, 3728324.1,       9.4,       9.4,       0.0);         ( 413434.8,
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     ( 413454.8, 3728324.1,       9.2,       9.2,       0.0);         ( 413474.8,
3728324.1,       9.0,       9.0,       0.0);
     ( 413494.8, 3728324.1,       9.0,       9.0,       0.0);         ( 413514.8,
3728324.1,       9.2,       9.2,       0.0);
     ( 413534.8, 3728324.1,       9.3,       9.3,       0.0);         ( 413554.8,
3728324.1,       9.4,       9.4,       0.0);
     ( 413574.8, 3728324.1,       9.5,       9.5,       0.0);         ( 413594.8,
3728324.1,       9.5,       9.5,       0.0);
     ( 413614.8, 3728324.1,       9.5,       9.5,       0.0);         ( 413634.8,
3728324.1,       9.4,       9.4,       0.0);
     ( 413654.8, 3728324.1,       9.4,       9.4,       0.0);         ( 413674.8,
3728324.1,       9.5,       9.5,       0.0);
     ( 413694.8, 3728324.1,       9.5,       9.5,       0.0);         ( 413714.8,
3728324.1,       9.5,       9.5,       0.0);
     ( 413734.8, 3728324.1,       9.6,       9.6,       0.0);         ( 413254.8,
3728344.1,       8.6,       8.6,       0.0);
     ( 413274.8, 3728344.1,       8.6,       8.6,       0.0);         ( 413294.8,
3728344.1,       7.4,       8.5,       0.0);
     ( 413314.8, 3728344.1,       5.1,       9.7,       0.0);         ( 413334.8,
3728344.1,       5.9,       9.7,       0.0);
     ( 413354.8, 3728344.1,       8.4,       9.7,       0.0);         ( 413374.8,
3728344.1,       9.5,       9.5,       0.0);
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***       05/26/20
 *** AERMET - VERSION  16216 ***   ***
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                                    PAGE 267
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                                *** DISCRETE CARTESIAN RECEPTORS ***
```

(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(413394.8, 3728344.1, 9.7, 9.7, 0.0); (413414.8, 3728344.1, 9.7, 9.7, 0.0);
(413434.8, 3728344.1, 9.7, 9.7, 0.0); (413454.8, 3728344.1, 9.6, 9.6, 0.0);
(413474.8, 3728344.1, 9.0, 9.0, 0.0); (413494.8, 3728344.1, 9.2, 9.2, 0.0);
(413514.8, 3728344.1, 9.8, 9.8, 0.0); (413534.8, 3728344.1, 10.0, 10.0, 0.0);
(413554.8, 3728344.1, 10.0, 10.0, 0.0); (413574.8, 3728344.1, 10.0, 10.0, 0.0);
(413594.8, 3728344.1, 10.1, 10.1, 0.0); (413614.8, 3728344.1, 9.9, 9.9, 0.0);
(413634.8, 3728344.1, 9.9, 9.9, 0.0); (413654.8, 3728344.1, 9.8, 9.8, 0.0);
(413674.8, 3728344.1, 9.8, 9.8, 0.0); (413694.8, 3728344.1, 9.6, 9.6, 0.0);
(413714.8, 3728344.1, 9.0, 9.3, 0.0); (413734.8, 3728344.1, 7.4, 9.6, 0.0);
(413254.8, 3728364.1, 8.5, 12.7, 0.0); (413274.8, 3728364.1, 8.5, 8.5, 0.0);
(413294.8, 3728364.1, 8.1, 8.1, 0.0); (413314.8, 3728364.1, 8.3, 8.3, 0.0);
(413334.8, 3728364.1, 7.3, 8.8, 0.0); (413354.8, 3728364.1, 5.6, 9.7, 0.0);
(413374.8, 3728364.1, 5.1, 9.8, 0.0); (413394.8, 3728364.1, 5.8, 9.8, 0.0);
(413414.8, 3728364.1, 6.8, 9.7, 0.0); (413434.8, 3728364.1, 7.4, 9.7, 0.0);
(413454.8, 3728364.1, 7.5, 9.6, 0.0); (413474.8, 3728364.1, 8.1, 9.3, 0.0);
(413494.8, 3728364.1, 8.3, 9.4, 0.0); (413514.8, 3728364.1, 7.0, 10.0, 0.0);
(413534.8, 3728364.1, 6.9, 10.0, 0.0); (413554.8, 3728364.1, 6.7, 10.0, 0.0);
(413574.8, 3728364.1, 6.4, 10.1, 0.0); (413594.8, 3728364.1, 6.2, 10.1, 0.0);
(413614.8, 3728364.1, 6.0, 10.1, 0.0); (413634.8, 3728364.1, 5.8, 10.0, 0.0);
(413654.8, 3728364.1, 5.6, 9.9, 0.0); (413674.8, 3728364.1, 5.1, 9.9, 0.0);
(413694.8, 3728364.1, 4.7, 9.9, 0.0); (413714.8, 3728364.1, 4.9, 9.9, 0.0);
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(413274.8, 3728384.1, 8.5, 8.5, 0.0); (413294.8, 3728384.1, 8.1, 8.1, 0.0);
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     ( 413394.8, 3728384.1,       7.6,       8.5,       0.0);         ( 413414.8,
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     ( 413434.8, 3728384.1,       6.8,       8.9,       0.0);         ( 413454.8,
3728384.1,       6.8,       9.0,       0.0);
     ( 413474.8, 3728384.1,       7.8,       8.2,       0.0);         ( 413494.8,
3728384.1,       8.0,       8.4,       0.0);
     ( 413514.8, 3728384.1,       7.0,       9.0,       0.0);         ( 413534.8,
3728384.1,       7.1,       8.8,       0.0);
     ( 413554.8, 3728384.1,       7.3,       8.9,       0.0);         ( 413574.8,
3728384.1,       7.5,       8.9,       0.0);
     ( 413594.8, 3728384.1,       7.6,       8.8,       0.0);         ( 413614.8,
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     ( 413634.8, 3728384.1,       7.9,       7.9,       0.0);         ( 413654.8,
3728384.1,       8.1,       8.2,       0.0);
     ( 413674.8, 3728384.1,       8.4,       8.4,       0.0);         ( 413694.8,
3728384.1,       8.8,       8.8,       0.0);
     ( 413714.8, 3728384.1,       8.9,       8.9,       0.0);         ( 413734.8,
3728384.1,       8.9,       8.9,       0.0);
     ( 413254.8, 3728404.1,       9.3,      12.7,       0.0);         ( 413274.8,
3728404.1,       8.7,      12.7,       0.0);
     ( 413294.8, 3728404.1,       8.5,       8.5,       0.0);         ( 413314.8,
3728404.1,       8.1,       8.1,       0.0);
     ( 413334.8, 3728404.1,       8.7,       8.7,       0.0);         ( 413354.8,
3728404.1,       8.8,       8.8,       0.0);
     ( 413374.8, 3728404.1,       8.6,       8.6,       0.0);         ( 413394.8,
3728404.1,       8.3,       8.3,       0.0);
     ( 413414.8, 3728404.1,       8.4,       8.4,       0.0);         ( 413434.8,
3728404.1,       8.8,       8.8,       0.0);
     ( 413454.8, 3728404.1,       9.0,       9.0,       0.0);         ( 413474.8,
3728404.1,       8.7,       8.7,       0.0);
     ( 413494.8, 3728404.1,       8.6,       8.6,       0.0);         ( 413514.8,
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     ( 413534.8, 3728404.1,       8.8,       8.8,       0.0);         ( 413554.8,
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     ( 413574.8, 3728404.1,       8.9,       8.9,       0.0);         ( 413594.8,
3728404.1,       8.8,       8.8,       0.0);
     ( 413614.8, 3728404.1,       8.8,       8.8,       0.0);         ( 413634.8,
3728404.1,       8.6,       8.6,       0.0);
     ( 413654.8, 3728404.1,       8.6,       8.6,       0.0);         ( 413674.8,
3728404.1,       8.6,       8.6,       0.0);
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                         ***       05/26/20
 *** AERMET - VERSION  16216 ***   ***
                        ***       16:48:31

                                  PAGE 268
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(413694.8, 3728404.1, 8.6, 8.6, 0.0); (413714.8, 3728404.1, 8.5, 8.5, 0.0);
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(413314.8, 3728424.1, 8.3, 8.3, 0.0); (413334.8, 3728424.1, 8.3, 8.3, 0.0);
(413354.8, 3728424.1, 8.7, 8.7, 0.0); (413374.8, 3728424.1, 8.7, 8.7, 0.0);
(413394.8, 3728424.1, 8.4, 8.4, 0.0); (413414.8, 3728424.1, 8.3, 8.3, 0.0);
(413434.8, 3728424.1, 8.8, 8.8, 0.0); (413454.8, 3728424.1, 9.1, 9.1, 0.0);
(413474.8, 3728424.1, 8.8, 8.8, 0.0); (413494.8, 3728424.1, 8.5, 8.5, 0.0);
(413514.8, 3728424.1, 8.5, 8.5, 0.0); (413534.8, 3728424.1, 8.4, 8.4, 0.0);
(413554.8, 3728424.1, 8.4, 8.4, 0.0); (413574.8, 3728424.1, 8.4, 8.4, 0.0);
(413594.8, 3728424.1, 8.3, 8.3, 0.0); (413614.8, 3728424.1, 8.2, 8.2, 0.0);
(413634.8, 3728424.1, 8.2, 8.2, 0.0); (413654.8, 3728424.1, 8.2, 8.2, 0.0);
(413674.8, 3728424.1, 8.2, 8.2, 0.0); (413694.8, 3728424.1, 8.4, 8.4, 0.0);
(413714.8, 3728424.1, 8.4, 8.4, 0.0); (413734.8, 3728424.1, 8.4, 8.4, 0.0);
(413294.8, 3728444.1, 8.9, 8.9, 0.0); (413314.8, 3728444.1, 8.6, 8.6, 0.0);
(413334.8, 3728444.1, 8.2, 8.2, 0.0); (413354.8, 3728444.1, 8.5, 8.5, 0.0);
(413374.8, 3728444.1, 8.7, 8.7, 0.0); (413394.8, 3728444.1, 8.8, 8.8, 0.0);
(413414.8, 3728444.1, 8.3, 8.3, 0.0); (413434.8, 3728444.1, 8.9, 8.9, 0.0);
(413454.8, 3728444.1, 9.0, 9.0, 0.0); (413474.8, 3728444.1, 8.9, 8.9, 0.0);
(413494.8, 3728444.1, 8.5, 8.5, 0.0); (413514.8, 3728444.1, 8.6, 8.6, 0.0);
(413534.8, 3728444.1, 8.6, 8.6, 0.0); (413554.8, 3728444.1, 8.6, 8.6, 0.0);
(413574.8, 3728444.1, 8.6, 8.6, 0.0); (413594.8, 3728444.1, 8.6, 8.6, 0.0);
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(413654.8, 3728444.1, 8.2, 8.2, 0.0); (413674.8,

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     ( 413734.8, 3728444.1,       8.4,       8.4,       0.0);         ( 413294.8,
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3728464.1,       8.4,       8.4,       0.0);
     ( 413354.8, 3728464.1,       8.3,       8.3,       0.0);         ( 413374.8,
3728464.1,       8.8,       8.8,       0.0);
     ( 413394.8, 3728464.1,       8.7,       8.7,       0.0);         ( 413414.8,
3728464.1,       8.4,       8.4,       0.0);
     ( 413434.8, 3728464.1,       8.7,       8.7,       0.0);         ( 413454.8,
3728464.1,       9.0,       9.0,       0.0);
     ( 413474.8, 3728464.1,       8.9,       8.9,       0.0);         ( 413494.8,
3728464.1,       8.6,       8.6,       0.0);
     ( 413514.8, 3728464.1,       8.9,       8.9,       0.0);         ( 413534.8,
3728464.1,       9.0,       9.0,       0.0);
     ( 413554.8, 3728464.1,       9.1,       9.1,       0.0);         ( 413574.8,
3728464.1,       9.1,       9.1,       0.0);
     ( 413594.8, 3728464.1,       9.0,       9.0,       0.0);         ( 413614.8,
3728464.1,       9.0,       9.0,       0.0);
     ( 413634.8, 3728464.1,       8.7,       8.7,       0.0);         ( 413654.8,
3728464.1,       8.3,       8.3,       0.0);
     ( 413674.8, 3728464.1,       8.7,       8.7,       0.0);         ( 413694.8,
3728464.1,       8.9,       8.9,       0.0);
     ( 413714.8, 3728464.1,       9.1,       9.1,       0.0);         ( 413734.8,
3728464.1,       8.5,       8.5,       0.0);
     ( 413314.8, 3728484.1,       8.9,       8.9,       0.0);         ( 413334.8,
3728484.1,       8.6,       8.6,       0.0);
     ( 413354.8, 3728484.1,       8.2,       8.2,       0.0);         ( 413374.8,
3728484.1,       8.6,       8.6,       0.0);
     ( 413394.8, 3728484.1,       8.5,       8.5,       0.0);         ( 413414.8,
3728484.1,       8.5,       8.5,       0.0);
     ( 413434.8, 3728484.1,       8.5,       8.5,       0.0);         ( 413454.8,
3728484.1,       8.6,       8.6,       0.0);
     ( 413474.8, 3728484.1,       8.7,       8.7,       0.0);         ( 413494.8,
3728484.1,       8.7,       8.7,       0.0);
     ( 413514.8, 3728484.1,       9.2,       9.2,       0.0);         ( 413534.8,
3728484.1,       9.5,       9.5,       0.0);
     ( 413554.8, 3728484.1,       9.6,       9.6,       0.0);         ( 413574.8,
3728484.1,       9.5,       9.5,       0.0);
     ( 413594.8, 3728484.1,       9.7,       9.7,       0.0);         ( 413614.8,
3728484.1,       9.5,       9.5,       0.0);
     ( 413634.8, 3728484.1,       8.8,       8.8,       0.0);         ( 413654.8,
3728484.1,       8.4,       8.4,       0.0);
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***       05/26/20
 *** AERMET - VERSION  16216 ***   ***
                          ***      16:48:31
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(413674.8, 3728484.1, 8.8, 8.8, 0.0); (413694.8, 3728484.1, 9.0, 9.0, 0.0);
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(413334.8, 3728504.1, 8.8, 8.8, 0.0); (413354.8, 3728504.1, 8.6, 8.6, 0.0);
(413374.8, 3728504.1, 8.3, 8.3, 0.0); (413394.8, 3728504.1, 8.7, 8.7, 0.0);
(413414.8, 3728504.1, 8.9, 8.9, 0.0); (413434.8, 3728504.1, 9.0, 9.0, 0.0);
(413454.8, 3728504.1, 9.1, 9.1, 0.0); (413474.8, 3728504.1, 9.0, 9.0, 0.0);
(413494.8, 3728504.1, 8.8, 8.8, 0.0); (413514.8, 3728504.1, 9.3, 9.3, 0.0);
(413534.8, 3728504.1, 9.6, 9.6, 0.0); (413554.8, 3728504.1, 9.4, 9.4, 0.0);
(413574.8, 3728504.1, 9.2, 9.2, 0.0); (413594.8, 3728504.1, 9.6, 9.6, 0.0);
(413614.8, 3728504.1, 9.4, 9.4, 0.0); (413634.8, 3728504.1, 8.9, 8.9, 0.0);
(413654.8, 3728504.1, 8.4, 8.4, 0.0); (413674.8, 3728504.1, 8.9, 8.9, 0.0);
(413694.8, 3728504.1, 9.2, 9.2, 0.0); (413714.8, 3728504.1, 9.1, 9.1, 0.0);
(413734.8, 3728504.1, 8.8, 8.8, 0.0); (413334.8, 3728524.1, 9.1, 9.1, 0.0);
(413354.8, 3728524.1, 8.8, 8.8, 0.0); (413374.8, 3728524.1, 8.4, 8.4, 0.0);
(413394.8, 3728524.1, 8.5, 8.5, 0.0); (413414.8, 3728524.1, 8.9, 8.9, 0.0);
(413434.8, 3728524.1, 9.1, 9.1, 0.0); (413454.8, 3728524.1, 9.4, 9.4, 0.0);
(413474.8, 3728524.1, 8.9, 8.9, 0.0); (413494.8, 3728524.1, 9.0, 9.0, 0.0);
(413514.8, 3728524.1, 9.1, 9.1, 0.0); (413534.8, 3728524.1, 9.1, 9.1, 0.0);
(413554.8, 3728524.1, 9.1, 9.1, 0.0); (413574.8, 3728524.1, 9.4, 9.4, 0.0);
(413594.8, 3728524.1, 9.7, 9.7, 0.0); (413614.8, 3728524.1, 9.3, 9.3, 0.0);
(413634.8, 3728524.1, 8.7, 8.7, 0.0); (413654.8, 3728524.1, 8.4, 8.4, 0.0);
(413674.8, 3728524.1, 8.8, 8.8, 0.0); (413694.8,

```
3728524.1,       9.1,       9.1,       0.0);
     ( 413714.8, 3728524.1,       8.9,       8.9,       0.0);         ( 413734.8,
3728524.1,       8.7,       8.7,       0.0);
     ( 413334.8, 3728544.1,       9.2,      11.8,       0.0);         ( 413354.8,
3728544.1,       9.0,       9.0,       0.0);
     ( 413374.8, 3728544.1,       8.7,       8.7,       0.0);         ( 413394.8,
3728544.1,       8.4,       8.4,       0.0);
     ( 413414.8, 3728544.1,       8.9,       8.9,       0.0);         ( 413434.8,
3728544.1,       9.3,       9.3,       0.0);
     ( 413454.8, 3728544.1,       9.2,       9.2,       0.0);         ( 413474.8,
3728544.1,       8.8,       8.8,       0.0);
     ( 413494.8, 3728544.1,       9.3,       9.3,       0.0);         ( 413514.8,
3728544.1,       9.3,       9.3,       0.0);
     ( 413534.8, 3728544.1,       9.4,       9.4,       0.0);         ( 413554.8,
3728544.1,       9.5,       9.5,       0.0);
     ( 413574.8, 3728544.1,       9.7,       9.7,       0.0);         ( 413594.8,
3728544.1,       9.3,       9.3,       0.0);
     ( 413614.8, 3728544.1,       8.9,       8.9,       0.0);         ( 413634.8,
3728544.1,       8.6,       8.6,       0.0);
     ( 413654.8, 3728544.1,       8.3,       8.3,       0.0);         ( 413674.8,
3728544.1,       8.9,       8.9,       0.0);
     ( 413694.8, 3728544.1,       9.1,       9.1,       0.0);         ( 413714.8,
3728544.1,       9.2,       9.2,       0.0);
     ( 413734.8, 3728544.1,       9.0,       9.0,       0.0);         ( 413374.8,
3728564.1,       8.9,       8.9,       0.0);
     ( 413394.8, 3728564.1,       8.9,       8.9,       0.0);         ( 413414.8,
3728564.1,       9.1,       9.1,       0.0);
     ( 413434.8, 3728564.1,       9.3,       9.3,       0.0);         ( 413454.8,
3728564.1,       8.9,       8.9,       0.0);
     ( 413474.8, 3728564.1,       9.0,       9.0,       0.0);         ( 413494.8,
3728564.1,       9.4,       9.4,       0.0);
     ( 413514.8, 3728564.1,       9.6,       9.6,       0.0);         ( 413534.8,
3728564.1,       9.6,       9.6,       0.0);
     ( 413554.8, 3728564.1,       9.3,       9.3,       0.0);         ( 413574.8,
3728564.1,       8.9,       8.9,       0.0);
     ( 413594.8, 3728564.1,       8.8,       8.8,       0.0);         ( 413614.8,
3728564.1,       8.6,       8.6,       0.0);
     ( 413634.8, 3728564.1,       8.3,       8.3,       0.0);         ( 413654.8,
3728564.1,       8.3,       8.3,       0.0);
     ( 413674.8, 3728564.1,       8.8,       8.8,       0.0);         ( 413694.8,
3728564.1,       8.9,       8.9,       0.0);
     ( 413714.8, 3728564.1,       9.3,       9.3,       0.0);         ( 413734.8,
3728564.1,       9.7,       9.7,       0.0);
     ( 413374.8, 3728584.1,       9.2,       9.2,       0.0);         ( 413394.8,
3728584.1,       9.1,       9.1,       0.0);
     ( 413414.8, 3728584.1,       9.2,       9.2,       0.0);         ( 413434.8,
3728584.1,       9.2,       9.2,       0.0);
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***       05/26/20
 *** AERMET - VERSION  16216 ***   ***
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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(413454.8, 3728584.1, 8.7, 8.7, 0.0); (413474.8, 3728584.1, 9.2, 9.2, 0.0);
(413494.8, 3728584.1, 9.4, 9.4, 0.0); (413514.8, 3728584.1, 9.2, 9.2, 0.0);
(413534.8, 3728584.1, 9.0, 9.0, 0.0); (413554.8, 3728584.1, 8.8, 8.8, 0.0);
(413574.8, 3728584.1, 8.5, 8.5, 0.0); (413594.8, 3728584.1, 8.3, 8.3, 0.0);
(413614.8, 3728584.1, 8.3, 8.3, 0.0); (413634.8, 3728584.1, 8.6, 8.6, 0.0);
(413654.8, 3728584.1, 8.6, 11.9, 0.0); (413674.8, 3728584.1, 8.9, 11.9, 0.0);
(413694.8, 3728584.1, 9.9, 11.0, 0.0); (413714.8, 3728584.1, 10.7, 10.7, 0.0);
(413734.8, 3728584.1, 10.8, 10.8, 0.0); (413374.8, 3728604.1, 9.0, 12.8, 0.0);
(413394.8, 3728604.1, 9.4, 9.4, 0.0); (413414.8, 3728604.1, 9.3, 9.3, 0.0);
(413434.8, 3728604.1, 8.9, 8.9, 0.0); (413454.8, 3728604.1, 8.7, 8.7, 0.0);
(413474.8, 3728604.1, 9.2, 9.2, 0.0); (413494.8, 3728604.1, 9.1, 9.1, 0.0);
(413514.8, 3728604.1, 8.8, 8.8, 0.0); (413534.8, 3728604.1, 8.6, 8.6, 0.0);
(413554.8, 3728604.1, 8.4, 8.4, 0.0); (413574.8, 3728604.1, 8.4, 13.5, 0.0);
(413594.8, 3728604.1, 8.6, 13.5, 0.0); (413614.8, 3728604.1, 8.7, 13.1, 0.0);
(413634.8, 3728604.1, 9.1, 13.0, 0.0); (413654.8, 3728604.1, 10.3, 12.3, 0.0);
(413674.8, 3728604.1, 11.4, 11.4, 0.0); (413694.8, 3728604.1, 11.6, 11.6, 0.0);
(413714.8, 3728604.1, 11.4, 11.4, 0.0); (413734.8, 3728604.1, 11.1, 11.1, 0.0);
(413414.8, 3728624.1, 8.9, 8.9, 0.0); (413434.8, 3728624.1, 9.1, 9.1, 0.0);
(413454.8, 3728624.1, 8.6, 8.6, 0.0); (413474.8, 3728624.1, 8.7, 8.7, 0.0);
(413494.8, 3728624.1, 8.7, 8.7, 0.0); (413514.8, 3728624.1, 8.5, 14.5, 0.0);
(413534.8, 3728624.1, 8.5, 14.6, 0.0); (413554.8,

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3728624.1,       8.6,      14.3,       0.0);
     ( 413574.8, 3728624.1,       8.8,      14.3,       0.0);         ( 413594.8,
3728624.1,       9.2,      13.9,       0.0);
     ( 413614.8, 3728624.1,      10.7,      13.1,       0.0);         ( 413634.8,
3728624.1,      12.1,      12.1,       0.0);
     ( 413654.8, 3728624.1,      12.4,      12.4,       0.0);         ( 413674.8,
3728624.1,      12.2,      12.2,       0.0);
     ( 413694.8, 3728624.1,      11.9,      11.9,       0.0);         ( 413714.8,
3728624.1,      11.5,      11.5,       0.0);
     ( 413734.8, 3728624.1,      11.0,      11.0,       0.0);         ( 413414.8,
3728644.1,       9.1,       9.1,       0.0);
     ( 413434.8, 3728644.1,       9.2,       9.2,       0.0);         ( 413454.8,
3728644.1,       9.0,       9.0,       0.0);
     ( 413474.8, 3728644.1,       8.6,      15.2,       0.0);         ( 413494.8,
3728644.1,       8.5,      15.2,       0.0);
     ( 413514.8, 3728644.1,       8.6,      15.2,       0.0);         ( 413534.8,
3728644.1,       8.9,      15.2,       0.0);
     ( 413554.8, 3728644.1,       9.3,      14.9,       0.0);         ( 413574.8,
3728644.1,      11.1,      14.2,       0.0);
     ( 413594.8, 3728644.1,      12.9,      12.9,       0.0);         ( 413614.8,
3728644.1,      13.2,      13.2,       0.0);
     ( 413634.8, 3728644.1,      13.0,      13.0,       0.0);         ( 413654.8,
3728644.1,      12.7,      12.7,       0.0);
     ( 413674.8, 3728644.1,      12.4,      12.4,       0.0);         ( 413694.8,
3728644.1,      11.8,      11.8,       0.0);
     ( 413714.8, 3728644.1,      11.0,      11.0,       0.0);         ( 413734.8,
3728644.1,       9.9,       9.9,       0.0);
     ( 413414.8, 3728664.1,       9.0,       9.0,       0.0);         ( 413434.8,
3728664.1,       9.3,      15.7,       0.0);
     ( 413454.8, 3728664.1,       9.7,      15.5,       0.0);         ( 413474.8,
3728664.1,       8.9,      15.7,       0.0);
     ( 413494.8, 3728664.1,       9.5,      15.7,       0.0);         ( 413514.8,
3728664.1,       9.7,      15.5,       0.0);
     ( 413534.8, 3728664.1,      11.6,      14.9,       0.0);         ( 413554.8,
3728664.1,      13.6,      13.6,       0.0);
     ( 413574.8, 3728664.1,      13.9,      13.9,       0.0);         ( 413594.8,
3728664.1,      13.8,      13.8,       0.0);
     ( 413614.8, 3728664.1,      13.6,      13.6,       0.0);         ( 413634.8,
3728664.1,      13.2,      13.2,       0.0);
     ( 413654.8, 3728664.1,      12.6,      12.6,       0.0);         ( 413674.8,
3728664.1,      11.5,      12.4,       0.0);
     ( 413694.8, 3728664.1,       9.8,      12.3,       0.0);         ( 413714.8,
3728664.1,       9.3,       9.3,       0.0);
     ( 413734.8, 3728664.1,       9.5,       9.5,       0.0);         ( 413414.8,
3728684.1,       9.2,      16.0,       0.0);
     ( 413434.8, 3728684.1,       9.3,      16.0,       0.0);         ( 413454.8,
3728684.1,       9.5,      16.0,       0.0);
     ( 413474.8, 3728684.1,       9.8,      15.9,       0.0);         ( 413494.8,
3728684.1,      12.1,      15.5,       0.0);
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(413514.8, 3728684.1, 14.3, 14.3, 0.0); (413534.8, 3728684.1, 14.6, 14.6, 0.0);
(413554.8, 3728684.1, 14.6, 14.6, 0.0); (413574.8, 3728684.1, 14.4, 14.4, 0.0);
(413594.8, 3728684.1, 14.0, 14.0, 0.0); (413614.8, 3728684.1, 13.4, 13.4, 0.0);
(413634.8, 3728684.1, 12.2, 12.7, 0.0); (413654.8, 3728684.1, 10.0, 13.4, 0.0);
(413674.8, 3728684.1, 9.0, 13.1, 0.0); (413694.8, 3728684.1, 8.9, 11.9, 0.0);
(413714.8, 3728684.1, 9.2, 9.2, 0.0); (413734.8, 3728684.1, 9.8, 9.8, 0.0);
(410427.0, 3723000.3, 2.6, 2.6, 0.0); (410447.0, 3723000.3, 2.5, 2.5, 0.0);
(410467.0, 3723000.3, 2.6, 2.6, 0.0); (410487.0, 3723000.3, 2.4, 2.4, 0.0);
(410507.0, 3723000.3, 2.1, 2.1, 0.0); (410527.0, 3723000.3, 2.1, 2.1, 0.0);
(410547.0, 3723000.3, 2.3, 2.3, 0.0); (410567.0, 3723000.3, 2.5, 2.5, 0.0);
(410587.0, 3723000.3, 2.2, 2.2, 0.0); (410607.0, 3723000.3, 2.2, 2.2, 0.0);
(410627.0, 3723000.3, 2.5, 2.5, 0.0); (410647.0, 3723000.3, 2.6, 2.6, 0.0);
(410667.0, 3723000.3, 2.3, 2.3, 0.0); (410687.0, 3723000.3, 2.2, 2.2, 0.0);
(410707.0, 3723000.3, 2.6, 2.6, 0.0); (410727.0, 3723000.3, 2.5, 2.5, 0.0);
(410747.0, 3723000.3, 2.4, 2.4, 0.0); (410767.0, 3723000.3, 2.3, 2.3, 0.0);
(410787.0, 3723000.3, 2.3, 2.3, 0.0); (410807.0, 3723000.3, 2.2, 2.2, 0.0);
(410827.0, 3723000.3, 2.1, 2.1, 0.0); (410847.0, 3723000.3, 2.1, 2.1, 0.0);
(410867.0, 3723000.3, 2.2, 2.2, 0.0); (410887.0, 3723000.3, 2.1, 2.1, 0.0);
(410907.0, 3723000.3, 2.1, 2.1, 0.0); (410927.0, 3723000.3, 2.1, 2.1, 0.0);
(410947.0, 3723000.3, 2.1, 2.1, 0.0); (410967.0,

```
3723000.3,       2.2,       2.2,       0.0);
     ( 410987.0, 3723000.3,       2.2,       2.2,       0.0);         ( 411007.0,
3723000.3,       2.2,       2.2,       0.0);
     ( 411027.0, 3723000.3,       2.4,       2.4,       0.0);         ( 411047.0,
3723000.3,       2.4,       2.4,       0.0);
     ( 411067.0, 3723000.3,       2.4,       2.4,       0.0);         ( 411087.0,
3723000.3,       2.4,       2.4,       0.0);
     ( 411107.0, 3723000.3,       2.4,       2.4,       0.0);         ( 411127.0,
3723000.3,       2.4,       2.4,       0.0);
     ( 411147.0, 3723000.3,       2.5,       2.5,       0.0);         ( 411167.0,
3723000.3,       2.5,       2.5,       0.0);
     ( 411187.0, 3723000.3,       2.5,       2.5,       0.0);         ( 411207.0,
3723000.3,       2.6,       2.6,       0.0);
     ( 411227.0, 3723000.3,       2.5,       2.5,       0.0);         ( 411327.0,
3723000.3,       3.3,       3.3,       0.0);
     ( 410427.0, 3723020.3,       2.9,       2.9,       0.0);         ( 410447.0,
3723020.3,       2.6,       2.6,       0.0);
     ( 410467.0, 3723020.3,       2.4,       2.4,       0.0);         ( 410487.0,
3723020.3,       2.1,       2.1,       0.0);
     ( 410507.0, 3723020.3,       2.0,       2.0,       0.0);         ( 410527.0,
3723020.3,       2.0,       2.0,       0.0);
     ( 410547.0, 3723020.3,       2.1,       2.1,       0.0);         ( 410567.0,
3723020.3,       2.1,       2.1,       0.0);
     ( 410587.0, 3723020.3,       2.1,       2.1,       0.0);         ( 410607.0,
3723020.3,       2.1,       2.1,       0.0);
     ( 410627.0, 3723020.3,       2.1,       2.1,       0.0);         ( 410647.0,
3723020.3,       2.2,       2.2,       0.0);
     ( 410667.0, 3723020.3,       2.1,       2.1,       0.0);         ( 410687.0,
3723020.3,       2.2,       2.2,       0.0);
     ( 410707.0, 3723020.3,       2.2,       2.2,       0.0);         ( 410727.0,
3723020.3,       2.2,       2.2,       0.0);
     ( 410747.0, 3723020.3,       2.3,       2.3,       0.0);         ( 410767.0,
3723020.3,       2.3,       2.3,       0.0);
     ( 410787.0, 3723020.3,       2.1,       2.1,       0.0);         ( 410807.0,
3723020.3,       2.0,       2.0,       0.0);
     ( 410827.0, 3723020.3,       2.0,       2.0,       0.0);         ( 410847.0,
3723020.3,       2.1,       2.1,       0.0);
     ( 410867.0, 3723020.3,       2.1,       2.1,       0.0);         ( 410887.0,
3723020.3,       2.1,       2.1,       0.0);
     ( 410907.0, 3723020.3,       2.2,       2.2,       0.0);         ( 410927.0,
3723020.3,       2.2,       2.2,       0.0);
     ( 410947.0, 3723020.3,       2.2,       2.2,       0.0);         ( 410967.0,
3723020.3,       2.2,       2.2,       0.0);
     ( 410987.0, 3723020.3,       2.3,       2.3,       0.0);         ( 411007.0,
3723020.3,       2.3,       2.3,       0.0);
     ( 411027.0, 3723020.3,       2.3,       2.3,       0.0);         ( 411047.0,
3723020.3,       2.3,       2.3,       0.0);
     ( 411067.0, 3723020.3,       2.4,       2.4,       0.0);         ( 411087.0,
3723020.3,       2.4,       2.4,       0.0);
     ( 411107.0, 3723020.3,       2.4,       2.4,       0.0);         ( 411127.0,
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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(411147.0, 3723020.3, 2.5, 2.5, 0.0); (411167.0, 3723020.3, 2.4, 2.4, 0.0);
(411187.0, 3723020.3, 2.5, 2.5, 0.0); (411207.0, 3723020.3, 2.4, 2.4, 0.0);
(411227.0, 3723020.3, 2.3, 2.3, 0.0); (410427.0, 3723040.3, 3.2, 3.2, 0.0);
(410447.0, 3723040.3, 2.6, 2.6, 0.0); (410467.0, 3723040.3, 2.4, 2.4, 0.0);
(410487.0, 3723040.3, 2.4, 2.4, 0.0); (410507.0, 3723040.3, 2.3, 2.3, 0.0);
(410527.0, 3723040.3, 2.3, 2.3, 0.0); (410547.0, 3723040.3, 2.2, 2.2, 0.0);
(410567.0, 3723040.3, 2.2, 2.2, 0.0); (410587.0, 3723040.3, 2.3, 2.3, 0.0);
(410607.0, 3723040.3, 2.0, 2.0, 0.0); (410627.0, 3723040.3, 1.9, 1.9, 0.0);
(410647.0, 3723040.3, 2.0, 2.0, 0.0); (410667.0, 3723040.3, 2.0, 2.0, 0.0);
(410687.0, 3723040.3, 2.0, 2.0, 0.0); (410707.0, 3723040.3, 2.0, 2.0, 0.0);
(410727.0, 3723040.3, 2.1, 2.1, 0.0); (410747.0, 3723040.3, 2.5, 2.5, 0.0);
(410767.0, 3723040.3, 2.1, 2.1, 0.0); (410787.0, 3723040.3, 2.0, 2.0, 0.0);
(410807.0, 3723040.3, 2.1, 2.1, 0.0); (410827.0, 3723040.3, 2.0, 2.0, 0.0);
(410847.0, 3723040.3, 2.1, 2.1, 0.0); (410867.0, 3723040.3, 2.1, 2.1, 0.0);
(410887.0, 3723040.3, 2.1, 2.1, 0.0); (410907.0, 3723040.3, 2.2, 2.2, 0.0);
(410927.0, 3723040.3, 2.3, 2.3, 0.0); (410947.0, 3723040.3, 1.8, 1.8, 0.0);
(410967.0, 3723040.3, 2.2, 2.2, 0.0); (410987.0, 3723040.3, 2.4, 2.4, 0.0);
(411007.0, 3723040.3, 2.4, 2.4, 0.0); (411027.0, 3723040.3, 2.4, 2.4, 0.0);
(411047.0, 3723040.3, 2.4, 2.4, 0.0); (411067.0,

```
3723040.3,       2.5,       2.5,       0.0);
     ( 411087.0, 3723040.3,       2.5,       2.5,       0.0);         ( 411107.0,
3723040.3,       2.5,       2.5,       0.0);
     ( 411127.0, 3723040.3,       2.5,       2.5,       0.0);         ( 411147.0,
3723040.3,       2.5,       2.5,       0.0);
     ( 411167.0, 3723040.3,       2.5,       2.5,       0.0);         ( 411187.0,
3723040.3,       2.6,       2.6,       0.0);
     ( 411207.0, 3723040.3,       2.5,       2.5,       0.0);         ( 411227.0,
3723040.3,       2.4,       2.4,       0.0);
     ( 410427.0, 3723060.3,       3.0,       3.0,       0.0);         ( 410447.0,
3723060.3,       2.3,       2.3,       0.0);
     ( 410467.0, 3723060.3,       2.4,       2.4,       0.0);         ( 410487.0,
3723060.3,       2.5,       2.5,       0.0);
     ( 410507.0, 3723060.3,       2.5,       2.5,       0.0);         ( 410527.0,
3723060.3,       2.4,       2.4,       0.0);
     ( 410547.0, 3723060.3,       2.4,       2.4,       0.0);         ( 410567.0,
3723060.3,       2.3,       2.3,       0.0);
     ( 410587.0, 3723060.3,       2.4,       2.4,       0.0);         ( 410607.0,
3723060.3,       2.0,       2.0,       0.0);
     ( 410627.0, 3723060.3,       2.2,       2.2,       0.0);         ( 410647.0,
3723060.3,       2.3,       2.3,       0.0);
     ( 410667.0, 3723060.3,       2.4,       2.4,       0.0);         ( 410687.0,
3723060.3,       2.4,       2.4,       0.0);
     ( 410707.0, 3723060.3,       2.4,       2.4,       0.0);         ( 410727.0,
3723060.3,       2.4,       2.4,       0.0);
     ( 410747.0, 3723060.3,       2.7,       2.7,       0.0);         ( 410767.0,
3723060.3,       2.0,       2.0,       0.0);
     ( 410787.0, 3723060.3,       1.9,       1.9,       0.0);         ( 410807.0,
3723060.3,       1.9,       1.9,       0.0);
     ( 410827.0, 3723060.3,       1.5,       1.5,       0.0);         ( 410847.0,
3723060.3,       1.7,       1.7,       0.0);
     ( 410867.0, 3723060.3,       1.8,       1.8,       0.0);         ( 410887.0,
3723060.3,       1.8,       1.8,       0.0);
     ( 410907.0, 3723060.3,       1.8,       1.8,       0.0);         ( 410927.0,
3723060.3,       1.9,       1.9,       0.0);
     ( 410947.0, 3723060.3,       1.6,       1.6,       0.0);         ( 410967.0,
3723060.3,       1.9,       1.9,       0.0);
     ( 410987.0, 3723060.3,       2.0,       2.0,       0.0);         ( 411007.0,
3723060.3,       2.0,       2.0,       0.0);
     ( 411027.0, 3723060.3,       2.0,       2.0,       0.0);         ( 411047.0,
3723060.3,       2.0,       2.0,       0.0);
     ( 411067.0, 3723060.3,       2.1,       2.1,       0.0);         ( 411087.0,
3723060.3,       2.1,       2.1,       0.0);
     ( 411107.0, 3723060.3,       2.1,       2.1,       0.0);         ( 411127.0,
3723060.3,       2.1,       2.1,       0.0);
     ( 411147.0, 3723060.3,       2.2,       2.2,       0.0);         ( 411167.0,
3723060.3,       2.6,       2.6,       0.0);
     ( 411187.0, 3723060.3,       2.6,       2.6,       0.0);         ( 411207.0,
3723060.3,       2.2,       2.2,       0.0);
     ( 411227.0, 3723060.3,       2.0,       2.0,       0.0);         ( 411247.0,
```

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(410427.0, 3723080.3, 2.2, 2.2, 0.0); (410447.0,
3723080.3, 2.2, 2.2, 0.0);
(410467.0, 3723080.3, 2.2, 2.2, 0.0); (410487.0,
3723080.3, 2.4, 2.4, 0.0);
(410507.0, 3723080.3, 2.5, 2.5, 0.0); (410527.0,
3723080.3, 2.4, 2.4, 0.0);
(410547.0, 3723080.3, 2.5, 2.5, 0.0); (410567.0,
3723080.3, 2.4, 2.4, 0.0);
(410587.0, 3723080.3, 2.5, 2.5, 0.0); (410607.0,
3723080.3, 2.0, 2.0, 0.0);
(410627.0, 3723080.3, 2.3, 2.3, 0.0); (410647.0,
3723080.3, 2.6, 2.6, 0.0);
(410667.0, 3723080.3, 2.6, 2.6, 0.0); (410687.0,
3723080.3, 2.6, 2.6, 0.0);
(410707.0, 3723080.3, 2.7, 2.7, 0.0); (410727.0,
3723080.3, 2.8, 2.8, 0.0);
(410747.0, 3723080.3, 2.8, 2.8, 0.0); (410767.0,
3723080.3, 2.0, 2.0, 0.0);
(410787.0, 3723080.3, 1.9, 1.9, 0.0); (410807.0,
3723080.3, 1.9, 1.9, 0.0);
(410827.0, 3723080.3, 1.5, 1.5, 0.0); (410847.0,
3723080.3, 1.7, 1.7, 0.0);
(410867.0, 3723080.3, 1.8, 1.8, 0.0); (410887.0,
3723080.3, 1.8, 1.8, 0.0);
(410907.0, 3723080.3, 1.6, 1.6, 0.0); (410927.0,
3723080.3, 1.8, 1.8, 0.0);
(410947.0, 3723080.3, 1.9, 1.9, 0.0); (410967.0,
3723080.3, 1.9, 1.9, 0.0);
(410987.0, 3723080.3, 1.7, 1.7, 0.0); (411007.0,
3723080.3, 2.0, 2.0, 0.0);
(411027.0, 3723080.3, 2.0, 2.0, 0.0); (411047.0,
3723080.3, 2.0, 2.0, 0.0);
(411067.0, 3723080.3, 1.9, 1.9, 0.0); (411087.0,
3723080.3, 2.1, 2.1, 0.0);
(411107.0, 3723080.3, 2.2, 2.2, 0.0); (411127.0,

```
3723080.3,       2.1,       2.1,       0.0);
     ( 411147.0, 3723080.3,       2.1,       2.1,       0.0);         ( 411167.0,
3723080.3,       2.6,       2.6,       0.0);
     ( 411187.0, 3723080.3,       2.5,       2.5,       0.0);         ( 411207.0,
3723080.3,       2.1,       2.1,       0.0);
     ( 411227.0, 3723080.3,       2.1,       2.1,       0.0);         ( 411247.0,
3723080.3,       2.1,       2.1,       0.0);
     ( 411267.0, 3723080.3,       2.2,       2.2,       0.0);         ( 411287.0,
3723080.3,       2.6,       2.6,       0.0);
     ( 410427.0, 3723100.3,       1.9,       1.9,       0.0);         ( 410447.0,
3723100.3,       2.2,       2.2,       0.0);
     ( 410467.0, 3723100.3,       2.2,       2.2,       0.0);         ( 410487.0,
3723100.3,       2.4,       2.4,       0.0);
     ( 410507.0, 3723100.3,       2.5,       2.5,       0.0);         ( 410527.0,
3723100.3,       2.4,       2.4,       0.0);
     ( 410547.0, 3723100.3,       2.5,       2.5,       0.0);         ( 410567.0,
3723100.3,       2.5,       2.5,       0.0);
     ( 410587.0, 3723100.3,       2.5,       2.5,       0.0);         ( 410607.0,
3723100.3,       2.0,       2.0,       0.0);
     ( 410627.0, 3723100.3,       2.1,       2.1,       0.0);         ( 410647.0,
3723100.3,       2.2,       2.2,       0.0);
     ( 410667.0, 3723100.3,       2.2,       2.2,       0.0);         ( 410687.0,
3723100.3,       2.3,       2.3,       0.0);
     ( 410707.0, 3723100.3,       2.3,       2.3,       0.0);         ( 410727.0,
3723100.3,       2.3,       2.3,       0.0);
     ( 410747.0, 3723100.3,       2.8,       2.8,       0.0);         ( 410767.0,
3723100.3,       2.0,       2.0,       0.0);
     ( 410787.0, 3723100.3,       1.9,       1.9,       0.0);         ( 410807.0,
3723100.3,       2.0,       2.0,       0.0);
     ( 410827.0, 3723100.3,       1.5,       1.5,       0.0);         ( 410847.0,
3723100.3,       1.9,       1.9,       0.0);
     ( 410867.0, 3723100.3,       2.1,       2.1,       0.0);         ( 410887.0,
3723100.3,       2.0,       2.0,       0.0);
     ( 410907.0, 3723100.3,       1.7,       1.7,       0.0);         ( 410927.0,
3723100.3,       2.1,       2.1,       0.0);
     ( 410947.0, 3723100.3,       2.3,       2.3,       0.0);         ( 410967.0,
3723100.3,       2.2,       2.2,       0.0);
     ( 410987.0, 3723100.3,       1.8,       1.8,       0.0);         ( 411007.0,
3723100.3,       2.4,       2.4,       0.0);
     ( 411027.0, 3723100.3,       2.4,       2.4,       0.0);         ( 411047.0,
3723100.3,       2.2,       2.2,       0.0);
     ( 411067.0, 3723100.3,       2.0,       2.0,       0.0);         ( 411087.0,
3723100.3,       2.4,       2.4,       0.0);
     ( 411107.0, 3723100.3,       2.6,       2.6,       0.0);         ( 411127.0,
3723100.3,       2.2,       2.2,       0.0);
     ( 411147.0, 3723100.3,       2.2,       2.2,       0.0);         ( 411167.0,
3723100.3,       2.7,       2.7,       0.0);
     ( 411187.0, 3723100.3,       2.5,       2.5,       0.0);         ( 411207.0,
3723100.3,       2.1,       2.1,       0.0);
     ( 411227.0, 3723100.3,       2.3,       2.3,       0.0);         ( 411247.0,
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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(410447.0, 3723120.3, 2.2, 2.2, 0.0); (410467.0,
3723120.3, 2.2, 2.2, 0.0);
(410487.0, 3723120.3, 2.4, 2.4, 0.0); (410507.0,
3723120.3, 2.5, 2.5, 0.0);
(410527.0, 3723120.3, 2.5, 2.5, 0.0); (410547.0,
3723120.3, 2.6, 2.6, 0.0);
(410567.0, 3723120.3, 2.5, 2.5, 0.0); (410587.0,
3723120.3, 2.5, 2.5, 0.0);
(410607.0, 3723120.3, 2.1, 2.1, 0.0); (410627.0,
3723120.3, 2.2, 2.2, 0.0);
(410647.0, 3723120.3, 2.3, 2.3, 0.0); (410667.0,
3723120.3, 2.3, 2.3, 0.0);
(410687.0, 3723120.3, 2.3, 2.3, 0.0); (410707.0,
3723120.3, 2.4, 2.4, 0.0);
(410727.0, 3723120.3, 2.3, 2.3, 0.0); (410747.0,
3723120.3, 2.8, 2.8, 0.0);
(410767.0, 3723120.3, 2.1, 2.1, 0.0); (410787.0,
3723120.3, 1.9, 1.9, 0.0);
(410807.0, 3723120.3, 2.1, 2.1, 0.0); (410827.0,
3723120.3, 1.5, 1.5, 0.0);
(410847.0, 3723120.3, 2.1, 2.1, 0.0); (410867.0,
3723120.3, 2.2, 2.2, 0.0);
(410887.0, 3723120.3, 2.2, 2.2, 0.0); (410907.0,
3723120.3, 1.7, 1.7, 0.0);
(410927.0, 3723120.3, 2.3, 2.3, 0.0); (410947.0,
3723120.3, 2.4, 2.4, 0.0);
(410967.0, 3723120.3, 2.3, 2.3, 0.0); (410987.0,
3723120.3, 1.9, 1.9, 0.0);
(411007.0, 3723120.3, 2.4, 2.4, 0.0); (411027.0,
3723120.3, 2.5, 2.5, 0.0);
(411047.0, 3723120.3, 2.3, 2.3, 0.0); (411067.0,
3723120.3, 2.1, 2.1, 0.0);
(411087.0, 3723120.3, 2.6, 2.6, 0.0); (411107.0,

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3723120.3,       2.6,       2.6,       0.0);
     ( 411127.0, 3723120.3,       2.3,       2.3,       0.0);         ( 411147.0,
3723120.3,       2.2,       2.2,       0.0);
     ( 411167.0, 3723120.3,       2.7,       2.7,       0.0);         ( 411187.0,
3723120.3,       2.6,       2.6,       0.0);
     ( 411207.0, 3723120.3,       2.3,       2.3,       0.0);         ( 411227.0,
3723120.3,       2.4,       2.4,       0.0);
     ( 411247.0, 3723120.3,       2.7,       2.7,       0.0);         ( 411267.0,
3723120.3,       2.4,       2.4,       0.0);
     ( 411287.0, 3723120.3,       2.1,       2.1,       0.0);         ( 411307.0,
3723120.3,       2.6,       2.6,       0.0);
     ( 411327.0, 3723120.3,       2.6,       2.6,       0.0);         ( 410707.0,
3723140.3,       2.7,       2.7,       0.0);
     ( 410727.0, 3723140.3,       2.7,       2.7,       0.0);         ( 410747.0,
3723140.3,       2.9,       2.9,       0.0);
     ( 410767.0, 3723140.3,       2.1,       2.1,       0.0);         ( 410787.0,
3723140.3,       2.0,       2.0,       0.0);
     ( 410807.0, 3723140.3,       2.0,       2.0,       0.0);         ( 410827.0,
3723140.3,       1.5,       1.5,       0.0);
     ( 410847.0, 3723140.3,       2.1,       2.1,       0.0);         ( 410867.0,
3723140.3,       2.3,       2.3,       0.0);
     ( 410887.0, 3723140.3,       2.2,       2.2,       0.0);         ( 410907.0,
3723140.3,       1.8,       1.8,       0.0);
     ( 410927.0, 3723140.3,       2.3,       2.3,       0.0);         ( 410947.0,
3723140.3,       2.5,       2.5,       0.0);
     ( 410967.0, 3723140.3,       2.3,       2.3,       0.0);         ( 410987.0,
3723140.3,       1.9,       1.9,       0.0);
     ( 411007.0, 3723140.3,       2.4,       2.4,       0.0);         ( 411027.0,
3723140.3,       2.6,       2.6,       0.0);
     ( 411047.0, 3723140.3,       2.3,       2.3,       0.0);         ( 411067.0,
3723140.3,       2.1,       2.1,       0.0);
     ( 411087.0, 3723140.3,       2.6,       2.6,       0.0);         ( 411107.0,
3723140.3,       2.7,       2.7,       0.0);
     ( 411127.0, 3723140.3,       2.4,       2.4,       0.0);         ( 411147.0,
3723140.3,       2.3,       2.3,       0.0);
     ( 411167.0, 3723140.3,       2.6,       2.6,       0.0);         ( 411187.0,
3723140.3,       2.6,       2.6,       0.0);
     ( 411207.0, 3723140.3,       2.2,       2.2,       0.0);         ( 411227.0,
3723140.3,       2.4,       2.4,       0.0);
     ( 411247.0, 3723140.3,       2.7,       2.7,       0.0);         ( 411267.0,
3723140.3,       2.6,       2.6,       0.0);
     ( 411287.0, 3723140.3,       2.3,       2.3,       0.0);         ( 411307.0,
3723140.3,       2.2,       2.2,       0.0);
     ( 411327.0, 3723140.3,       2.6,       2.6,       0.0);         ( 410707.0,
3723160.3,       2.7,       2.7,       0.0);
     ( 410727.0, 3723160.3,       2.8,       2.8,       0.0);         ( 410747.0,
3723160.3,       3.0,       3.0,       0.0);
     ( 410767.0, 3723160.3,       2.1,       2.1,       0.0);         ( 410787.0,
3723160.3,       2.0,       2.0,       0.0);
     ( 410807.0, 3723160.3,       2.1,       2.1,       0.0);         ( 410827.0,
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3723160.3, 1.6, 1.6, 0.0);
     (410847.0, 3723160.3, 2.1, 2.1, 0.0); (410867.0,
3723160.3, 2.3, 2.3, 0.0);
     (410887.0, 3723160.3, 2.2, 2.2, 0.0); (410907.0,
3723160.3, 1.8, 1.8, 0.0);
     (410927.0, 3723160.3, 2.2, 2.2, 0.0); (410947.0,
3723160.3, 2.4, 2.4, 0.0);

                                  *** DISCRETE CARTESIAN RECEPTORS ***
                                (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                          (METERS)

     (410967.0, 3723160.3, 2.3, 2.3, 0.0); (410987.0,
3723160.3, 1.9, 1.9, 0.0);
     (411007.0, 3723160.3, 2.5, 2.5, 0.0); (411027.0,
3723160.3, 2.6, 2.6, 0.0);
     (411047.0, 3723160.3, 2.2, 2.2, 0.0); (411067.0,
3723160.3, 2.0, 2.0, 0.0);
     (411087.0, 3723160.3, 2.6, 2.6, 0.0); (411107.0,
3723160.3, 2.7, 2.7, 0.0);
     (411127.0, 3723160.3, 2.4, 2.4, 0.0); (411147.0,
3723160.3, 2.3, 2.3, 0.0);
     (411167.0, 3723160.3, 2.7, 2.7, 0.0); (411187.0,
3723160.3, 2.7, 2.7, 0.0);
     (411207.0, 3723160.3, 2.2, 2.2, 0.0); (411227.0,
3723160.3, 2.4, 2.4, 0.0);
     (411247.0, 3723160.3, 2.7, 2.7, 0.0); (411267.0,
3723160.3, 2.8, 2.8, 0.0);
     (411287.0, 3723160.3, 2.7, 2.7, 0.0); (411307.0,
3723160.3, 2.2, 2.2, 0.0);
     (411327.0, 3723160.3, 2.3, 2.3, 0.0); (411347.0,
3723160.3, 2.8, 2.8, 0.0);
     (411367.0, 3723160.3, 2.5, 2.5, 0.0); (410707.0,
3723180.3, 2.3, 2.3, 0.0);
     (410727.0, 3723180.3, 2.4, 2.4, 0.0); (410747.0,
3723180.3, 2.9, 2.9, 0.0);
     (410767.0, 3723180.3, 2.1, 2.1, 0.0); (410787.0,
3723180.3, 2.1, 2.1, 0.0);
     (410807.0, 3723180.3, 2.2, 2.2, 0.0); (410827.0,
3723180.3, 1.6, 1.6, 0.0);
     (410847.0, 3723180.3, 2.2, 2.2, 0.0); (410867.0,
3723180.3, 2.3, 2.3, 0.0);
     (410887.0, 3723180.3, 2.3, 2.3, 0.0); (410907.0,

```
3723180.3,       1.8,       1.8,       0.0);
     ( 410927.0, 3723180.3,       2.3,       2.3,       0.0);         ( 410947.0,
3723180.3,       2.4,       2.4,       0.0);
     ( 410967.0, 3723180.3,       2.4,       2.4,       0.0);         ( 410987.0,
3723180.3,       2.0,       2.0,       0.0);
     ( 411007.0, 3723180.3,       2.5,       2.5,       0.0);         ( 411027.0,
3723180.3,       2.6,       2.6,       0.0);
     ( 411047.0, 3723180.3,       2.5,       2.5,       0.0);         ( 411067.0,
3723180.3,       2.4,       2.4,       0.0);
     ( 411087.0, 3723180.3,       2.6,       2.6,       0.0);         ( 411107.0,
3723180.3,       2.7,       2.7,       0.0);
     ( 411127.0, 3723180.3,       2.4,       2.4,       0.0);         ( 411147.0,
3723180.3,       2.3,       2.3,       0.0);
     ( 411167.0, 3723180.3,       2.7,       2.7,       0.0);         ( 411187.0,
3723180.3,       2.7,       2.7,       0.0);
     ( 411207.0, 3723180.3,       2.3,       2.3,       0.0);         ( 411227.0,
3723180.3,       2.4,       2.4,       0.0);
     ( 411247.0, 3723180.3,       2.8,       2.8,       0.0);         ( 411267.0,
3723180.3,       2.9,       2.9,       0.0);
     ( 411287.0, 3723180.3,       2.5,       2.5,       0.0);         ( 411307.0,
3723180.3,       2.2,       2.2,       0.0);
     ( 411327.0, 3723180.3,       2.2,       2.2,       0.0);         ( 411347.0,
3723180.3,       2.5,       2.5,       0.0);
     ( 411367.0, 3723180.3,       2.8,       2.8,       0.0);         ( 411387.0,
3723180.3,       2.4,       2.4,       0.0);
     ( 410707.0, 3723200.3,       2.6,       2.6,       0.0);         ( 410727.0,
3723200.3,       2.6,       2.6,       0.0);
     ( 410747.0, 3723200.3,       2.9,       2.9,       0.0);         ( 410767.0,
3723200.3,       2.1,       2.1,       0.0);
     ( 410787.0, 3723200.3,       2.1,       2.1,       0.0);         ( 410807.0,
3723200.3,       2.2,       2.2,       0.0);
     ( 410827.0, 3723200.3,       1.6,       1.6,       0.0);         ( 410847.0,
3723200.3,       2.2,       2.2,       0.0);
     ( 410867.0, 3723200.3,       2.4,       2.4,       0.0);         ( 410887.0,
3723200.3,       2.3,       2.3,       0.0);
     ( 410907.0, 3723200.3,       1.8,       1.8,       0.0);         ( 410927.0,
3723200.3,       2.3,       2.3,       0.0);
     ( 410947.0, 3723200.3,       2.5,       2.5,       0.0);         ( 410967.0,
3723200.3,       2.4,       2.4,       0.0);
     ( 410987.0, 3723200.3,       2.0,       2.0,       0.0);         ( 411007.0,
3723200.3,       2.5,       2.5,       0.0);
     ( 411027.0, 3723200.3,       2.6,       2.6,       0.0);         ( 411047.0,
3723200.3,       2.7,       2.7,       0.0);
     ( 411067.0, 3723200.3,       2.7,       2.7,       0.0);         ( 411087.0,
3723200.3,       2.8,       2.8,       0.0);
     ( 411107.0, 3723200.3,       2.8,       2.8,       0.0);         ( 411127.0,
3723200.3,       2.4,       2.4,       0.0);
     ( 411147.0, 3723200.3,       2.4,       2.4,       0.0);         ( 411167.0,
3723200.3,       2.8,       2.8,       0.0);
     ( 411187.0, 3723200.3,       2.7,       2.7,       0.0);         ( 411207.0,
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3723200.3, 2.3, 2.3, 0.0);
(411227.0, 3723200.3, 2.4, 2.4, 0.0); (411247.0,
3723200.3, 2.7, 2.7, 0.0);
(411267.0, 3723200.3, 2.8, 2.8, 0.0); (411287.0,
3723200.3, 2.3, 2.3, 0.0);
(411307.0, 3723200.3, 2.8, 2.8, 0.0); (411327.0,
3723200.3, 2.6, 2.6, 0.0);
(411347.0, 3723200.3, 2.2, 2.2, 0.0); (411367.0,
3723200.3, 2.6, 2.6, 0.0);

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(411387.0, 3723200.3, 2.7, 2.7, 0.0); (410707.0,
3723220.3, 2.7, 2.7, 0.0);
(410727.0, 3723220.3, 2.8, 2.8, 0.0); (410747.0,
3723220.3, 2.8, 2.8, 0.0);
(410767.0, 3723220.3, 2.1, 2.1, 0.0); (410787.0,
3723220.3, 2.1, 2.1, 0.0);
(410807.0, 3723220.3, 2.2, 2.2, 0.0); (410827.0,
3723220.3, 1.7, 1.7, 0.0);
(410847.0, 3723220.3, 2.2, 2.2, 0.0); (410867.0,
3723220.3, 2.4, 2.4, 0.0);
(410887.0, 3723220.3, 2.3, 2.3, 0.0); (410907.0,
3723220.3, 1.9, 1.9, 0.0);
(410927.0, 3723220.3, 2.4, 2.4, 0.0); (410947.0,
3723220.3, 2.5, 2.5, 0.0);
(410967.0, 3723220.3, 2.4, 2.4, 0.0); (410987.0,
3723220.3, 2.0, 2.0, 0.0);
(411007.0, 3723220.3, 2.4, 2.4, 0.0); (411027.0,
3723220.3, 2.5, 2.5, 0.0);
(411047.0, 3723220.3, 2.6, 2.6, 0.0); (411067.0,
3723220.3, 2.6, 2.6, 0.0);
(411087.0, 3723220.3, 2.6, 2.6, 0.0); (411107.0,
3723220.3, 2.6, 2.6, 0.0);
(411127.0, 3723220.3, 2.3, 2.3, 0.0); (411147.0,
3723220.3, 2.3, 2.3, 0.0);
(411167.0, 3723220.3, 2.6, 2.6, 0.0); (411187.0,
3723220.3, 2.7, 2.7, 0.0);
(411207.0, 3723220.3, 2.3, 2.3, 0.0); (411227.0,
3723220.3, 2.5, 2.5, 0.0);
(411247.0, 3723220.3, 2.8, 2.8, 0.0); (411267.0,

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3723220.3,       2.8,       2.8,       0.0);
     ( 411287.0, 3723220.3,       2.3,       2.3,       0.0);         ( 411307.0,
3723220.3,       2.7,       2.7,       0.0);
     ( 411327.0, 3723220.3,       2.8,       2.8,       0.0);         ( 411347.0,
3723220.3,       2.5,       2.5,       0.0);
     ( 411367.0, 3723220.3,       2.3,       2.3,       0.0);         ( 411387.0,
3723220.3,       2.7,       2.7,       0.0);
     ( 410707.0, 3723240.3,       2.4,       2.4,       0.0);         ( 410727.0,
3723240.3,       2.5,       2.5,       0.0);
     ( 410747.0, 3723240.3,       2.5,       2.5,       0.0);         ( 410767.0,
3723240.3,       2.1,       2.1,       0.0);
     ( 410787.0, 3723240.3,       2.1,       2.1,       0.0);         ( 410807.0,
3723240.3,       2.1,       2.1,       0.0);
     ( 410827.0, 3723240.3,       1.7,       1.7,       0.0);         ( 410847.0,
3723240.3,       2.3,       2.3,       0.0);
     ( 410867.0, 3723240.3,       2.3,       2.3,       0.0);         ( 410887.0,
3723240.3,       2.3,       2.3,       0.0);
     ( 410907.0, 3723240.3,       1.9,       1.9,       0.0);         ( 410927.0,
3723240.3,       2.4,       2.4,       0.0);
     ( 410947.0, 3723240.3,       2.5,       2.5,       0.0);         ( 410967.0,
3723240.3,       2.4,       2.4,       0.0);
     ( 410987.0, 3723240.3,       2.0,       2.0,       0.0);         ( 411007.0,
3723240.3,       2.2,       2.2,       0.0);
     ( 411027.0, 3723240.3,       2.2,       2.2,       0.0);         ( 411047.0,
3723240.3,       2.2,       2.2,       0.0);
     ( 411067.0, 3723240.3,       2.2,       2.2,       0.0);         ( 411087.0,
3723240.3,       2.3,       2.3,       0.0);
     ( 411107.0, 3723240.3,       2.3,       2.3,       0.0);         ( 411127.0,
3723240.3,       2.2,       2.2,       0.0);
     ( 411147.0, 3723240.3,       2.3,       2.3,       0.0);         ( 411167.0,
3723240.3,       2.4,       2.4,       0.0);
     ( 411187.0, 3723240.3,       2.4,       2.4,       0.0);         ( 411207.0,
3723240.3,       2.3,       2.3,       0.0);
     ( 411227.0, 3723240.3,       2.6,       2.6,       0.0);         ( 411247.0,
3723240.3,       3.0,       3.0,       0.0);
     ( 411267.0, 3723240.3,       2.9,       2.9,       0.0);         ( 411287.0,
3723240.3,       2.4,       2.4,       0.0);
     ( 411307.0, 3723240.3,       2.8,       2.8,       0.0);         ( 411327.0,
3723240.3,       2.9,       2.9,       0.0);
     ( 411347.0, 3723240.3,       2.6,       2.6,       0.0);         ( 411367.0,
3723240.3,       2.1,       2.1,       0.0);
     ( 411387.0, 3723240.3,       2.6,       2.6,       0.0);         ( 411407.0,
3723240.3,       2.8,       2.8,       0.0);
     ( 410707.0, 3723260.3,       1.9,       1.9,       0.0);         ( 410727.0,
3723260.3,       1.9,       1.9,       0.0);
     ( 410747.0, 3723260.3,       2.0,       2.0,       0.0);         ( 410767.0,
3723260.3,       2.0,       2.0,       0.0);
     ( 410787.0, 3723260.3,       2.0,       2.0,       0.0);         ( 410807.0,
3723260.3,       1.9,       1.9,       0.0);
     ( 410827.0, 3723260.3,       1.7,       1.7,       0.0);         ( 410847.0,
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3723260.3,   2.4,   2.4,   0.0);
     (410867.0, 3723260.3,   2.4,   2.4,   0.0);   (410887.0,
3723260.3,   2.4,   2.4,   0.0);
     (410907.0, 3723260.3,   1.9,   1.9,   0.0);   (410927.0,
3723260.3,   2.4,   2.4,   0.0);
     (410947.0, 3723260.3,   2.6,   2.6,   0.0);   (410967.0,
3723260.3,   2.5,   2.5,   0.0);
     (410987.0, 3723260.3,   2.1,   2.1,   0.0);   (411007.0,
3723260.3,   2.6,   2.6,   0.0);
     (411027.0, 3723260.3,   2.6,   2.6,   0.0);   (411047.0,
3723260.3,   2.4,   2.4,   0.0);

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                        (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                  (METERS)

     (411067.0, 3723260.3,   2.3,   2.3,   0.0);   (411087.0,
3723260.3,   2.8,   2.8,   0.0);
     (411107.0, 3723260.3,   2.7,   2.7,   0.0);   (411127.0,
3723260.3,   2.4,   2.4,   0.0);
     (411147.0, 3723260.3,   2.7,   2.7,   0.0);   (411167.0,
3723260.3,   2.8,   2.8,   0.0);
     (411187.0, 3723260.3,   2.8,   2.8,   0.0);   (411207.0,
3723260.3,   2.5,   2.5,   0.0);
     (411227.0, 3723260.3,   2.7,   2.7,   0.0);   (411247.0,
3723260.3,   3.0,   3.0,   0.0);
     (411267.0, 3723260.3,   2.9,   2.9,   0.0);   (411287.0,
3723260.3,   2.4,   2.4,   0.0);
     (411307.0, 3723260.3,   2.8,   2.8,   0.0);   (411327.0,
3723260.3,   2.9,   2.9,   0.0);
     (411347.0, 3723260.3,   2.7,   2.7,   0.0);   (411367.0,
3723260.3,   2.1,   2.1,   0.0);
     (411387.0, 3723260.3,   2.4,   2.4,   0.0);   (411407.0,
3723260.3,   2.2,   2.2,   0.0);
     (410707.0, 3723280.3,   2.3,   2.3,   0.0);   (410727.0,
3723280.3,   2.1,   2.1,   0.0);
     (410747.0, 3723280.3,   2.4,   2.4,   0.0);   (410767.0,
3723280.3,   2.1,   2.1,   0.0);
     (410787.0, 3723280.3,   2.2,   2.2,   0.0);   (410807.0,
3723280.3,   2.3,   2.3,   0.0);
     (410827.0, 3723280.3,   1.8,   1.8,   0.0);   (410847.0,
3723280.3,   2.3,   2.3,   0.0);
     (410867.0, 3723280.3,   2.4,   2.4,   0.0);   (410887.0,

```
3723280.3,       2.3,       2.3,       0.0);
     ( 410907.0, 3723280.3,       1.9,       1.9,       0.0);         ( 410927.0,
3723280.3,       2.4,       2.4,       0.0);
     ( 410947.0, 3723280.3,       2.6,       2.6,       0.0);         ( 410967.0,
3723280.3,       2.4,       2.4,       0.0);
     ( 410987.0, 3723280.3,       2.2,       2.2,       0.0);         ( 411007.0,
3723280.3,       2.7,       2.7,       0.0);
     ( 411027.0, 3723280.3,       2.8,       2.8,       0.0);         ( 411047.0,
3723280.3,       2.5,       2.5,       0.0);
     ( 411067.0, 3723280.3,       2.3,       2.3,       0.0);         ( 411087.0,
3723280.3,       2.7,       2.7,       0.0);
     ( 411107.0, 3723280.3,       2.8,       2.8,       0.0);         ( 411127.0,
3723280.3,       2.7,       2.7,       0.0);
     ( 411147.0, 3723280.3,       2.6,       2.6,       0.0);         ( 411167.0,
3723280.3,       2.9,       2.9,       0.0);
     ( 411187.0, 3723280.3,       2.9,       2.9,       0.0);         ( 411207.0,
3723280.3,       2.6,       2.6,       0.0);
     ( 411227.0, 3723280.3,       2.8,       2.8,       0.0);         ( 411247.0,
3723280.3,       3.1,       3.1,       0.0);
     ( 411267.0, 3723280.3,       2.9,       2.9,       0.0);         ( 411287.0,
3723280.3,       2.5,       2.5,       0.0);
     ( 411307.0, 3723280.3,       2.9,       2.9,       0.0);         ( 411327.0,
3723280.3,       3.0,       3.0,       0.0);
     ( 411347.0, 3723280.3,       2.7,       2.7,       0.0);         ( 411367.0,
3723280.3,       2.3,       2.3,       0.0);
     ( 411387.0, 3723280.3,       2.1,       2.1,       0.0);         ( 411407.0,
3723280.3,       2.1,       2.1,       0.0);
     ( 410707.0, 3723300.3,       2.4,       2.4,       0.0);         ( 410727.0,
3723300.3,       2.3,       2.3,       0.0);
     ( 410747.0, 3723300.3,       2.5,       2.5,       0.0);         ( 410767.0,
3723300.3,       2.1,       2.1,       0.0);
     ( 410787.0, 3723300.3,       2.2,       2.2,       0.0);         ( 410807.0,
3723300.3,       2.4,       2.4,       0.0);
     ( 410827.0, 3723300.3,       1.8,       1.8,       0.0);         ( 410847.0,
3723300.3,       2.3,       2.3,       0.0);
     ( 410867.0, 3723300.3,       2.5,       2.5,       0.0);         ( 410887.0,
3723300.3,       2.3,       2.3,       0.0);
     ( 410907.0, 3723300.3,       2.0,       2.0,       0.0);         ( 410927.0,
3723300.3,       2.1,       2.1,       0.0);
     ( 410947.0, 3723300.3,       2.2,       2.2,       0.0);         ( 410967.0,
3723300.3,       2.2,       2.2,       0.0);
     ( 410987.0, 3723300.3,       2.2,       2.2,       0.0);         ( 411007.0,
3723300.3,       2.7,       2.7,       0.0);
     ( 411027.0, 3723300.3,       2.8,       2.8,       0.0);         ( 411047.0,
3723300.3,       2.6,       2.6,       0.0);
     ( 411067.0, 3723300.3,       2.4,       2.4,       0.0);         ( 411087.0,
3723300.3,       2.7,       2.7,       0.0);
     ( 411107.0, 3723300.3,       2.4,       2.4,       0.0);         ( 411127.0,
3723300.3,       2.2,       2.2,       0.0);
     ( 411147.0, 3723300.3,       2.6,       2.6,       0.0);         ( 411167.0,
```

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3723300.3,       2.8,       2.8,       0.0);
     ( 411187.0, 3723300.3,       3.0,       3.0,       0.0);         ( 411207.0,
3723300.3,       2.5,       2.5,       0.0);
     ( 411227.0, 3723300.3,       2.6,       2.6,       0.0);         ( 411247.0,
3723300.3,       2.6,       2.6,       0.0);
     ( 411267.0, 3723300.3,       2.6,       2.6,       0.0);         ( 411287.0,
3723300.3,       2.5,       2.5,       0.0);
     ( 411307.0, 3723300.3,       2.6,       2.6,       0.0);         ( 411327.0,
3723300.3,       3.0,       3.0,       0.0);
     ( 411347.0, 3723300.3,       2.9,       2.9,       0.0);         ( 411367.0,
3723300.3,       2.7,       2.7,       0.0);
     ( 411387.0, 3723300.3,       2.2,       2.2,       0.0);         ( 411407.0,
3723300.3,       2.3,       2.3,       0.0);
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***       05/26/20
 *** AERMET - VERSION  16216 ***   ***
                         ***       16:48:31

                                   PAGE 278
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                                  *** DISCRETE CARTESIAN RECEPTORS ***
                                                (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                          (METERS)

     ( 411427.0, 3723300.3,       2.7,       2.7,       0.0);         ( 411447.0,
3723300.3,       2.7,       2.7,       0.0);
     ( 410707.0, 3723320.3,       2.5,       2.5,       0.0);         ( 410727.0,
3723320.3,       2.3,       2.3,       0.0);
     ( 410747.0, 3723320.3,       2.7,       2.7,       0.0);         ( 410767.0,
3723320.3,       2.1,       2.1,       0.0);
     ( 410787.0, 3723320.3,       2.3,       2.3,       0.0);         ( 410807.0,
3723320.3,       2.4,       2.4,       0.0);
     ( 410827.0, 3723320.3,       1.8,       1.8,       0.0);         ( 410847.0,
3723320.3,       2.4,       2.4,       0.0);
     ( 410867.0, 3723320.3,       2.5,       2.5,       0.0);         ( 410887.0,
3723320.3,       2.4,       2.4,       0.0);
     ( 410907.0, 3723320.3,       2.2,       2.2,       0.0);         ( 410927.0,
3723320.3,       2.4,       2.4,       0.0);
     ( 410947.0, 3723320.3,       2.4,       2.4,       0.0);         ( 410967.0,
3723320.3,       2.3,       2.3,       0.0);
     ( 410987.0, 3723320.3,       2.2,       2.2,       0.0);         ( 411007.0,
3723320.3,       2.8,       2.8,       0.0);
     ( 411027.0, 3723320.3,       2.8,       2.8,       0.0);         ( 411047.0,
3723320.3,       2.5,       2.5,       0.0);
     ( 411067.0, 3723320.3,       2.4,       2.4,       0.0);         ( 411087.0,
3723320.3,       2.8,       2.8,       0.0);
     ( 411107.0, 3723320.3,       2.3,       2.3,       0.0);         ( 411127.0,
3723320.3,       2.2,       2.2,       0.0);
     ( 411147.0, 3723320.3,       2.5,       2.5,       0.0);         ( 411167.0,
```

```
3723320.3,       2.8,       2.8,       0.0);
     ( 411187.0, 3723320.3,       3.1,       3.1,       0.0);         ( 411207.0,
3723320.3,       2.8,       2.8,       0.0);
     ( 411227.0, 3723320.3,       2.9,       2.9,       0.0);         ( 411247.0,
3723320.3,       2.9,       2.9,       0.0);
     ( 411267.0, 3723320.3,       2.9,       2.9,       0.0);         ( 411287.0,
3723320.3,       3.0,       3.0,       0.0);
     ( 411307.0, 3723320.3,       2.7,       2.7,       0.0);         ( 411327.0,
3723320.3,       2.7,       2.7,       0.0);
     ( 411347.0, 3723320.3,       3.0,       3.0,       0.0);         ( 411367.0,
3723320.3,       2.8,       2.8,       0.0);
     ( 411387.0, 3723320.3,       2.7,       2.7,       0.0);         ( 411407.0,
3723320.3,       2.3,       2.3,       0.0);
     ( 411427.0, 3723320.3,       2.3,       2.3,       0.0);         ( 411447.0,
3723320.3,       2.8,       2.8,       0.0);
     ( 411467.0, 3723320.3,       2.5,       2.5,       0.0);         ( 411487.0,
3723320.3,       2.6,       2.6,       0.0);
     ( 410707.0, 3723340.3,       2.5,       2.5,       0.0);         ( 410727.0,
3723340.3,       2.3,       2.3,       0.0);
     ( 410747.0, 3723340.3,       2.7,       2.7,       0.0);         ( 410767.0,
3723340.3,       2.2,       2.2,       0.0);
     ( 410787.0, 3723340.3,       2.3,       2.3,       0.0);         ( 410807.0,
3723340.3,       2.4,       2.4,       0.0);
     ( 410827.0, 3723340.3,       1.9,       1.9,       0.0);         ( 410847.0,
3723340.3,       2.4,       2.4,       0.0);
     ( 410867.0, 3723340.3,       2.6,       2.6,       0.0);         ( 410887.0,
3723340.3,       2.6,       2.6,       0.0);
     ( 410907.0, 3723340.3,       2.6,       2.6,       0.0);         ( 410927.0,
3723340.3,       2.7,       2.7,       0.0);
     ( 410947.0, 3723340.3,       2.6,       2.6,       0.0);         ( 410967.0,
3723340.3,       2.5,       2.5,       0.0);
     ( 410987.0, 3723340.3,       2.3,       2.3,       0.0);         ( 411007.0,
3723340.3,       2.8,       2.8,       0.0);
     ( 411027.0, 3723340.3,       2.8,       2.8,       0.0);         ( 411047.0,
3723340.3,       2.6,       2.6,       0.0);
     ( 411067.0, 3723340.3,       2.4,       2.4,       0.0);         ( 411087.0,
3723340.3,       2.8,       2.8,       0.0);
     ( 411107.0, 3723340.3,       2.6,       2.6,       0.0);         ( 411127.0,
3723340.3,       2.6,       2.6,       0.0);
     ( 411147.0, 3723340.3,       2.5,       2.5,       0.0);         ( 411167.0,
3723340.3,       2.8,       2.8,       0.0);
     ( 411187.0, 3723340.3,       3.3,       3.3,       0.0);         ( 411207.0,
3723340.3,       3.2,       3.2,       0.0);
     ( 411227.0, 3723340.3,       3.3,       3.3,       0.0);         ( 411247.0,
3723340.3,       3.1,       3.1,       0.0);
     ( 411267.0, 3723340.3,       3.1,       3.1,       0.0);         ( 411287.0,
3723340.3,       3.2,       3.2,       0.0);
     ( 411307.0, 3723340.3,       3.0,       3.0,       0.0);         ( 411327.0,
3723340.3,       2.6,       2.6,       0.0);
     ( 411347.0, 3723340.3,       3.0,       3.0,       0.0);         ( 411367.0,
```

3723340.3, 3.1, 3.1, 0.0);
     (411387.0, 3723340.3, 2.8, 2.8, 0.0); (411407.0,
3723340.3, 2.7, 2.7, 0.0);
     (411427.0, 3723340.3, 2.2, 2.2, 0.0); (411447.0,
3723340.3, 2.8, 2.8, 0.0);
     (411467.0, 3723340.3, 2.9, 2.9, 0.0); (411487.0,
3723340.3, 2.5, 2.5, 0.0);
     (410707.0, 3723360.3, 2.5, 2.5, 0.0); (410727.0,
3723360.3, 2.3, 2.3, 0.0);
     (410747.0, 3723360.3, 2.7, 2.7, 0.0); (410767.0,
3723360.3, 2.2, 2.2, 0.0);
     (410787.0, 3723360.3, 2.3, 2.3, 0.0); (410807.0,
3723360.3, 2.4, 2.4, 0.0);
     (410827.0, 3723360.3, 1.9, 1.9, 0.0); (410847.0,
3723360.3, 2.4, 2.4, 0.0);

                                  *** DISCRETE CARTESIAN RECEPTORS ***
                                (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                          (METERS)

     (410867.0, 3723360.3, 2.5, 2.5, 0.0); (410887.0,
3723360.3, 2.6, 2.6, 0.0);
     (410907.0, 3723360.3, 2.6, 2.6, 0.0); (410927.0,
3723360.3, 2.7, 2.7, 0.0);
     (410947.0, 3723360.3, 2.7, 2.7, 0.0); (410967.0,
3723360.3, 2.4, 2.4, 0.0);
     (410987.0, 3723360.3, 2.3, 2.3, 0.0); (411007.0,
3723360.3, 2.8, 2.8, 0.0);
     (411027.0, 3723360.3, 2.8, 2.8, 0.0); (411047.0,
3723360.3, 2.6, 2.6, 0.0);
     (411067.0, 3723360.3, 2.5, 2.5, 0.0); (411087.0,
3723360.3, 2.8, 2.8, 0.0);
     (411107.0, 3723360.3, 2.6, 2.6, 0.0); (411127.0,
3723360.3, 2.5, 2.5, 0.0);
     (411147.0, 3723360.3, 2.4, 2.4, 0.0); (411167.0,
3723360.3, 2.6, 2.6, 0.0);
     (411187.0, 3723360.3, 3.1, 3.1, 0.0); (411207.0,
3723360.3, 3.1, 3.1, 0.0);
     (411227.0, 3723360.3, 3.2, 3.2, 0.0); (411247.0,
3723360.3, 3.2, 3.2, 0.0);
     (411267.0, 3723360.3, 3.1, 3.1, 0.0); (411287.0,
3723360.3, 3.1, 3.1, 0.0);
     (411307.0, 3723360.3, 3.0, 3.0, 0.0); (411327.0,

```
3723360.3,       2.6,       2.6,       0.0);
     ( 411347.0, 3723360.3,       2.8,       2.8,       0.0);         ( 411367.0,
3723360.3,       3.0,       3.0,       0.0);
     ( 411387.0, 3723360.3,       2.9,       2.9,       0.0);         ( 411407.0,
3723360.3,       2.8,       2.8,       0.0);
     ( 411427.0, 3723360.3,       2.4,       2.4,       0.0);         ( 411447.0,
3723360.3,       2.8,       2.8,       0.0);
     ( 411467.0, 3723360.3,       2.7,       2.7,       0.0);         ( 411487.0,
3723360.3,       2.4,       2.4,       0.0);
     ( 410707.0, 3723380.3,       2.6,       2.6,       0.0);         ( 410727.0,
3723380.3,       2.3,       2.3,       0.0);
     ( 410747.0, 3723380.3,       2.7,       2.7,       0.0);         ( 410767.0,
3723380.3,       2.2,       2.2,       0.0);
     ( 410787.0, 3723380.3,       2.3,       2.3,       0.0);         ( 410807.0,
3723380.3,       2.3,       2.3,       0.0);
     ( 410827.0, 3723380.3,       2.0,       2.0,       0.0);         ( 410847.0,
3723380.3,       2.0,       2.0,       0.0);
     ( 410867.0, 3723380.3,       2.1,       2.1,       0.0);         ( 410887.0,
3723380.3,       2.1,       2.1,       0.0);
     ( 410907.0, 3723380.3,       2.2,       2.2,       0.0);         ( 410927.0,
3723380.3,       2.2,       2.2,       0.0);
     ( 410947.0, 3723380.3,       2.2,       2.2,       0.0);         ( 410967.0,
3723380.3,       2.2,       2.2,       0.0);
     ( 410987.0, 3723380.3,       2.3,       2.3,       0.0);         ( 411007.0,
3723380.3,       2.8,       2.8,       0.0);
     ( 411027.0, 3723380.3,       2.8,       2.8,       0.0);         ( 411047.0,
3723380.3,       2.5,       2.5,       0.0);
     ( 411067.0, 3723380.3,       2.4,       2.4,       0.0);         ( 411087.0,
3723380.3,       2.9,       2.9,       0.0);
     ( 411107.0, 3723380.3,       2.7,       2.7,       0.0);         ( 411127.0,
3723380.3,       2.4,       2.4,       0.0);
     ( 411147.0, 3723380.3,       2.6,       2.6,       0.0);         ( 411167.0,
3723380.3,       3.0,       3.0,       0.0);
     ( 411187.0, 3723380.3,       2.8,       2.8,       0.0);         ( 411207.0,
3723380.3,       2.8,       2.8,       0.0);
     ( 411227.0, 3723380.3,       2.8,       2.8,       0.0);         ( 411247.0,
3723380.3,       2.7,       2.7,       0.0);
     ( 411267.0, 3723380.3,       2.7,       2.7,       0.0);         ( 411287.0,
3723380.3,       2.7,       2.7,       0.0);
     ( 411307.0, 3723380.3,       2.6,       2.6,       0.0);         ( 411327.0,
3723380.3,       2.5,       2.5,       0.0);
     ( 411347.0, 3723380.3,       2.5,       2.5,       0.0);         ( 411367.0,
3723380.3,       2.5,       2.5,       0.0);
     ( 411387.0, 3723380.3,       2.5,       2.5,       0.0);         ( 411407.0,
3723380.3,       2.4,       2.4,       0.0);
     ( 411427.0, 3723380.3,       2.3,       2.3,       0.0);         ( 411447.0,
3723380.3,       2.3,       2.3,       0.0);
     ( 411467.0, 3723380.3,       2.4,       2.4,       0.0);         ( 411487.0,
3723380.3,       2.4,       2.4,       0.0);
     ( 411507.0, 3723380.3,       2.5,       2.5,       0.0);         ( 411527.0,
```

3723380.3, 2.7, 2.7, 0.0);
     (411547.0, 3723380.3, 2.7, 2.7, 0.0); (411567.0,
3723380.3, 3.3, 6.7, 0.0);
     (411587.0, 3723380.3, 6.0, 6.0, 0.0); (411607.0,
3723380.3, 3.9, 6.7, 0.0);
     (410707.0, 3723400.3, 2.7, 2.7, 0.0); (410727.0,
3723400.3, 2.4, 2.4, 0.0);
     (410747.0, 3723400.3, 2.8, 2.8, 0.0); (410767.0,
3723400.3, 2.2, 2.2, 0.0);
     (410787.0, 3723400.3, 2.3, 2.3, 0.0); (410807.0,
3723400.3, 2.5, 2.5, 0.0);
     (410827.0, 3723400.3, 2.3, 2.3, 0.0); (410847.0,
3723400.3, 2.4, 2.4, 0.0);
     (410867.0, 3723400.3, 2.5, 2.5, 0.0); (410887.0,
3723400.3, 2.5, 2.5, 0.0);
     (410907.0, 3723400.3, 2.5, 2.5, 0.0); (410927.0,
3723400.3, 2.5, 2.5, 0.0);

                                  *** DISCRETE CARTESIAN RECEPTORS ***
                                (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                          (METERS)

     (410947.0, 3723400.3, 2.6, 2.6, 0.0); (410967.0,
3723400.3, 2.5, 2.5, 0.0);
     (410987.0, 3723400.3, 2.3, 2.3, 0.0); (411007.0,
3723400.3, 2.8, 2.8, 0.0);
     (411027.0, 3723400.3, 2.9, 2.9, 0.0); (411047.0,
3723400.3, 2.7, 2.7, 0.0);
     (411067.0, 3723400.3, 2.7, 2.7, 0.0); (411087.0,
3723400.3, 2.9, 2.9, 0.0);
     (411107.0, 3723400.3, 2.5, 2.5, 0.0); (411127.0,
3723400.3, 2.4, 2.4, 0.0);
     (411147.0, 3723400.3, 2.4, 2.4, 0.0); (411167.0,
3723400.3, 2.8, 2.8, 0.0);
     (411187.0, 3723400.3, 3.1, 3.1, 0.0); (411207.0,
3723400.3, 3.1, 3.1, 0.0);
     (411227.0, 3723400.3, 3.1, 3.1, 0.0); (411247.0,
3723400.3, 3.1, 3.1, 0.0);
     (411267.0, 3723400.3, 3.0, 3.0, 0.0); (411287.0,
3723400.3, 3.0, 3.0, 0.0);
     (411307.0, 3723400.3, 3.0, 3.0, 0.0); (411327.0,
3723400.3, 2.9, 2.9, 0.0);
     (411347.0, 3723400.3, 2.9, 2.9, 0.0); (411367.0,

```
3723400.3,       2.9,       2.9,       0.0);
     ( 411387.0, 3723400.3,       2.9,       2.9,       0.0);         ( 411407.0,
3723400.3,       2.7,       2.7,       0.0);
     ( 411427.0, 3723400.3,       2.6,       2.6,       0.0);         ( 411447.0,
3723400.3,       2.7,       2.7,       0.0);
     ( 411467.0, 3723400.3,       2.8,       2.8,       0.0);         ( 411487.0,
3723400.3,       2.9,       2.9,       0.0);
     ( 411507.0, 3723400.3,       2.4,       2.4,       0.0);         ( 411527.0,
3723400.3,       2.6,       2.6,       0.0);
     ( 411547.0, 3723400.3,       2.4,       2.4,       0.0);         ( 411567.0,
3723400.3,       2.8,       6.7,       0.0);
     ( 411587.0, 3723400.3,       5.3,       6.6,       0.0);         ( 411607.0,
3723400.3,       5.5,       6.6,       0.0);
     ( 410707.0, 3723420.3,       2.6,       2.6,       0.0);         ( 410727.0,
3723420.3,       2.3,       2.3,       0.0);
     ( 410747.0, 3723420.3,       2.7,       2.7,       0.0);         ( 410767.0,
3723420.3,       2.2,       2.2,       0.0);
     ( 410787.0, 3723420.3,       2.4,       2.4,       0.0);         ( 410807.0,
3723420.3,       2.7,       2.7,       0.0);
     ( 410827.0, 3723420.3,       2.6,       2.6,       0.0);         ( 410847.0,
3723420.3,       2.7,       2.7,       0.0);
     ( 410867.0, 3723420.3,       2.7,       2.7,       0.0);         ( 410887.0,
3723420.3,       2.6,       2.6,       0.0);
     ( 410907.0, 3723420.3,       2.5,       2.5,       0.0);         ( 410927.0,
3723420.3,       2.6,       2.6,       0.0);
     ( 410947.0, 3723420.3,       2.8,       2.8,       0.0);         ( 410967.0,
3723420.3,       2.6,       2.6,       0.0);
     ( 410987.0, 3723420.3,       2.3,       2.3,       0.0);         ( 411007.0,
3723420.3,       2.8,       2.8,       0.0);
     ( 411027.0, 3723420.3,       2.8,       2.8,       0.0);         ( 411047.0,
3723420.3,       2.6,       2.6,       0.0);
     ( 411067.0, 3723420.3,       2.5,       2.5,       0.0);         ( 411087.0,
3723420.3,       2.7,       2.7,       0.0);
     ( 411107.0, 3723420.3,       2.4,       2.4,       0.0);         ( 411127.0,
3723420.3,       2.2,       2.2,       0.0);
     ( 411147.0, 3723420.3,       2.2,       2.2,       0.0);         ( 411167.0,
3723420.3,       2.5,       2.5,       0.0);
     ( 411187.0, 3723420.3,       2.8,       2.8,       0.0);         ( 411207.0,
3723420.3,       2.9,       2.9,       0.0);
     ( 411227.0, 3723420.3,       2.8,       2.8,       0.0);         ( 411247.0,
3723420.3,       2.8,       2.8,       0.0);
     ( 411267.0, 3723420.3,       2.7,       2.7,       0.0);         ( 411287.0,
3723420.3,       2.7,       2.7,       0.0);
     ( 411307.0, 3723420.3,       2.6,       2.6,       0.0);         ( 411327.0,
3723420.3,       2.6,       2.6,       0.0);
     ( 411347.0, 3723420.3,       2.6,       2.6,       0.0);         ( 411367.0,
3723420.3,       2.5,       2.5,       0.0);
     ( 411387.0, 3723420.3,       2.6,       2.6,       0.0);         ( 411407.0,
3723420.3,       2.3,       2.3,       0.0);
     ( 411427.0, 3723420.3,       2.3,       2.3,       0.0);         ( 411447.0,
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3723420.3, 2.3, 2.3, 0.0);
(411467.0, 3723420.3, 2.3, 2.3, 0.0); (411487.0,
3723420.3, 2.4, 2.4, 0.0);
(411507.0, 3723420.3, 2.4, 2.4, 0.0); (411527.0,
3723420.3, 2.6, 2.6, 0.0);
(411547.0, 3723420.3, 2.4, 2.4, 0.0); (411567.0,
3723420.3, 2.5, 6.8, 0.0);
(411587.0, 3723420.3, 4.7, 6.8, 0.0); (411607.0,
3723420.3, 6.4, 6.4, 0.0);
(410707.0, 3723440.3, 2.4, 2.4, 0.0); (410727.0,
3723440.3, 2.4, 2.4, 0.0);
(410747.0, 3723440.3, 2.5, 2.5, 0.0); (410767.0,
3723440.3, 2.3, 2.3, 0.0);
(410787.0, 3723440.3, 2.6, 2.6, 0.0); (410807.0,
3723440.3, 2.8, 2.8, 0.0);
(410827.0, 3723440.3, 2.4, 2.4, 0.0); (410847.0,
3723440.3, 2.9, 2.9, 0.0);
(410867.0, 3723440.3, 2.7, 2.7, 0.0); (410887.0,
3723440.3, 2.3, 2.3, 0.0);

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(410907.0, 3723440.3, 2.1, 2.1, 0.0); (410927.0,
3723440.3, 2.6, 2.6, 0.0);
(410947.0, 3723440.3, 2.8, 2.8, 0.0); (410967.0,
3723440.3, 2.6, 2.6, 0.0);
(410987.0, 3723440.3, 2.3, 2.3, 0.0); (411007.0,
3723440.3, 2.8, 2.8, 0.0);
(411027.0, 3723440.3, 2.4, 2.4, 0.0); (411047.0,
3723440.3, 1.9, 1.9, 0.0);
(411067.0, 3723440.3, 1.9, 1.9, 0.0); (411087.0,
3723440.3, 2.3, 2.3, 0.0);
(411107.0, 3723440.3, 2.3, 2.3, 0.0); (411127.0,
3723440.3, 2.0, 2.0, 0.0);
(411147.0, 3723440.3, 2.0, 2.0, 0.0); (411167.0,
3723440.3, 2.4, 2.4, 0.0);
(411187.0, 3723440.3, 2.4, 2.4, 0.0); (411207.0,
3723440.3, 2.6, 2.6, 0.0);
(411227.0, 3723440.3, 2.6, 2.6, 0.0); (411247.0,
3723440.3, 2.5, 2.5, 0.0);
(411267.0, 3723440.3, 2.5, 2.5, 0.0); (411287.0,

```
3723440.3,       2.4,       2.4,       0.0);
     ( 411307.0, 3723440.3,       2.2,       2.2,       0.0);         ( 411327.0,
3723440.3,       2.3,       2.3,       0.0);
     ( 411347.0, 3723440.3,       2.3,       2.3,       0.0);         ( 411367.0,
3723440.3,       2.3,       2.3,       0.0);
     ( 411387.0, 3723440.3,       2.3,       2.3,       0.0);         ( 411407.0,
3723440.3,       2.2,       2.2,       0.0);
     ( 411427.0, 3723440.3,       1.9,       1.9,       0.0);         ( 411447.0,
3723440.3,       1.9,       1.9,       0.0);
     ( 411467.0, 3723440.3,       1.8,       1.8,       0.0);         ( 411487.0,
3723440.3,       2.2,       2.2,       0.0);
     ( 411507.0, 3723440.3,       2.5,       2.5,       0.0);         ( 411527.0,
3723440.3,       2.5,       2.5,       0.0);
     ( 411547.0, 3723440.3,       2.4,       2.4,       0.0);         ( 411567.0,
3723440.3,       2.1,       6.8,       0.0);
     ( 411587.0, 3723440.3,       4.0,       6.8,       0.0);         ( 411607.0,
3723440.3,       6.6,       6.6,       0.0);
     ( 410707.0, 3723460.3,       1.9,       1.9,       0.0);         ( 410727.0,
3723460.3,       1.9,       1.9,       0.0);
     ( 410747.0, 3723460.3,       2.0,       2.0,       0.0);         ( 410767.0,
3723460.3,       2.2,       2.2,       0.0);
     ( 410787.0, 3723460.3,       2.5,       2.5,       0.0);         ( 410807.0,
3723460.3,       2.8,       2.8,       0.0);
     ( 410827.0, 3723460.3,       2.4,       2.4,       0.0);         ( 410847.0,
3723460.3,       2.9,       2.9,       0.0);
     ( 410867.0, 3723460.3,       2.7,       2.7,       0.0);         ( 410887.0,
3723460.3,       2.3,       2.3,       0.0);
     ( 410907.0, 3723460.3,       2.1,       2.1,       0.0);         ( 410927.0,
3723460.3,       2.5,       2.5,       0.0);
     ( 410947.0, 3723460.3,       2.7,       2.7,       0.0);         ( 410967.0,
3723460.3,       2.5,       2.5,       0.0);
     ( 410987.0, 3723460.3,       2.2,       2.2,       0.0);         ( 411007.0,
3723460.3,       2.7,       2.7,       0.0);
     ( 411027.0, 3723460.3,       2.4,       2.4,       0.0);         ( 411047.0,
3723460.3,       2.0,       2.0,       0.0);
     ( 411067.0, 3723460.3,       1.9,       1.9,       0.0);         ( 411087.0,
3723460.3,       2.2,       2.2,       0.0);
     ( 411107.0, 3723460.3,       2.3,       2.3,       0.0);         ( 411127.0,
3723460.3,       2.0,       2.0,       0.0);
     ( 411147.0, 3723460.3,       2.0,       2.0,       0.0);         ( 411167.0,
3723460.3,       2.3,       2.3,       0.0);
     ( 411187.0, 3723460.3,       2.4,       2.4,       0.0);         ( 411207.0,
3723460.3,       3.0,       3.0,       0.0);
     ( 411227.0, 3723460.3,       2.9,       2.9,       0.0);         ( 411247.0,
3723460.3,       2.9,       2.9,       0.0);
     ( 411267.0, 3723460.3,       3.0,       3.0,       0.0);         ( 411287.0,
3723460.3,       2.7,       2.7,       0.0);
     ( 411307.0, 3723460.3,       2.1,       2.1,       0.0);         ( 411327.0,
3723460.3,       2.4,       2.4,       0.0);
     ( 411347.0, 3723460.3,       2.6,       2.6,       0.0);         ( 411367.0,
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     (411387.0, 3723460.3, 2.6, 2.6, 0.0); (411407.0,
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     (411427.0, 3723460.3, 1.9, 1.9, 0.0); (411447.0,
3723460.3, 1.9, 1.9, 0.0);
     (411467.0, 3723460.3, 1.9, 1.9, 0.0); (411487.0,
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     (411507.0, 3723460.3, 2.6, 2.6, 0.0); (411527.0,
3723460.3, 2.4, 2.4, 0.0);
     (411547.0, 3723460.3, 2.5, 2.5, 0.0); (411567.0,
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     (411587.0, 3723460.3, 3.2, 6.7, 0.0); (411607.0,
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     (410747.0, 3723480.3, 2.4, 2.4, 0.0); (410767.0,
3723480.3, 2.3, 2.3, 0.0);
     (410787.0, 3723480.3, 2.6, 2.6, 0.0); (410807.0,
3723480.3, 2.8, 2.8, 0.0);
     (410827.0, 3723480.3, 2.4, 2.4, 0.0); (410847.0,
3723480.3, 2.9, 2.9, 0.0);

                                    *** DISCRETE CARTESIAN RECEPTORS ***
                                (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                          (METERS)

     (410867.0, 3723480.3, 2.7, 2.7, 0.0); (410887.0,
3723480.3, 2.3, 2.3, 0.0);
     (410907.0, 3723480.3, 2.0, 2.0, 0.0); (410927.0,
3723480.3, 2.5, 2.5, 0.0);
     (410947.0, 3723480.3, 2.7, 2.7, 0.0); (410967.0,
3723480.3, 2.4, 2.4, 0.0);
     (410987.0, 3723480.3, 2.2, 2.2, 0.0); (411007.0,
3723480.3, 2.6, 2.6, 0.0);
     (411027.0, 3723480.3, 2.3, 2.3, 0.0); (411047.0,
3723480.3, 1.9, 1.9, 0.0);
     (411067.0, 3723480.3, 1.9, 1.9, 0.0); (411087.0,
3723480.3, 2.3, 2.3, 0.0);
     (411107.0, 3723480.3, 2.4, 2.4, 0.0); (411127.0,
3723480.3, 2.0, 2.0, 0.0);
     (411147.0, 3723480.3, 2.0, 2.0, 0.0); (411167.0,
3723480.3, 2.3, 2.3, 0.0);
     (411187.0, 3723480.3, 2.5, 2.5, 0.0); (411207.0,

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3723480.3,       3.0,       3.0,       0.0);
     ( 411227.0, 3723480.3,       3.0,       3.0,       0.0);         ( 411247.0,
3723480.3,       2.9,       2.9,       0.0);
     ( 411267.0, 3723480.3,       3.0,       3.0,       0.0);         ( 411287.0,
3723480.3,       2.7,       2.7,       0.0);
     ( 411307.0, 3723480.3,       2.2,       2.2,       0.0);         ( 411327.0,
3723480.3,       2.5,       2.5,       0.0);
     ( 411347.0, 3723480.3,       2.7,       2.7,       0.0);         ( 411367.0,
3723480.3,       2.7,       2.7,       0.0);
     ( 411387.0, 3723480.3,       2.6,       2.6,       0.0);         ( 411407.0,
3723480.3,       2.5,       2.5,       0.0);
     ( 411427.0, 3723480.3,       1.9,       1.9,       0.0);         ( 411447.0,
3723480.3,       1.9,       1.9,       0.0);
     ( 411467.0, 3723480.3,       1.9,       1.9,       0.0);         ( 411487.0,
3723480.3,       2.5,       2.5,       0.0);
     ( 411507.0, 3723480.3,       2.7,       2.7,       0.0);         ( 411527.0,
3723480.3,       2.5,       2.5,       0.0);
     ( 411547.0, 3723480.3,       2.6,       2.6,       0.0);         ( 411567.0,
3723480.3,       2.1,       2.1,       0.0);
     ( 411587.0, 3723480.3,       2.7,       6.8,       0.0);         ( 411607.0,
3723480.3,       5.6,       6.5,       0.0);
     ( 410707.0, 3723500.3,       2.6,       2.6,       0.0);         ( 410727.0,
3723500.3,       2.7,       2.7,       0.0);
     ( 410747.0, 3723500.3,       2.6,       2.6,       0.0);         ( 410767.0,
3723500.3,       2.3,       2.3,       0.0);
     ( 410787.0, 3723500.3,       2.6,       2.6,       0.0);         ( 410807.0,
3723500.3,       2.8,       2.8,       0.0);
     ( 410827.0, 3723500.3,       2.4,       2.4,       0.0);         ( 410847.0,
3723500.3,       2.8,       2.8,       0.0);
     ( 410867.0, 3723500.3,       2.7,       2.7,       0.0);         ( 410887.0,
3723500.3,       2.3,       2.3,       0.0);
     ( 410907.0, 3723500.3,       2.0,       2.0,       0.0);         ( 410927.0,
3723500.3,       2.5,       2.5,       0.0);
     ( 410947.0, 3723500.3,       2.6,       2.6,       0.0);         ( 410967.0,
3723500.3,       2.3,       2.3,       0.0);
     ( 410987.0, 3723500.3,       2.1,       2.1,       0.0);         ( 411007.0,
3723500.3,       2.5,       2.5,       0.0);
     ( 411027.0, 3723500.3,       2.3,       2.3,       0.0);         ( 411047.0,
3723500.3,       1.9,       1.9,       0.0);
     ( 411067.0, 3723500.3,       1.9,       1.9,       0.0);         ( 411087.0,
3723500.3,       2.3,       2.3,       0.0);
     ( 411107.0, 3723500.3,       2.3,       2.3,       0.0);         ( 411127.0,
3723500.3,       2.0,       2.0,       0.0);
     ( 411147.0, 3723500.3,       2.0,       2.0,       0.0);         ( 411167.0,
3723500.3,       2.3,       2.3,       0.0);
     ( 411187.0, 3723500.3,       2.5,       2.5,       0.0);         ( 411207.0,
3723500.3,       3.0,       3.0,       0.0);
     ( 411227.0, 3723500.3,       2.9,       2.9,       0.0);         ( 411247.0,
3723500.3,       2.9,       2.9,       0.0);
     ( 411267.0, 3723500.3,       2.9,       2.9,       0.0);         ( 411287.0,
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3723520.3,       2.0,       2.0,       0.0);
     ( 411147.0, 3723520.3,       1.9,       1.9,       0.0);         ( 411167.0,
3723520.3,       2.3,       2.3,       0.0);
     ( 411187.0, 3723520.3,       2.5,       2.5,       0.0);         ( 411207.0,
3723520.3,       3.0,       3.0,       0.0);
     ( 411227.0, 3723520.3,       3.1,       3.1,       0.0);         ( 411247.0,
3723520.3,       2.9,       2.9,       0.0);
     ( 411267.0, 3723520.3,       2.8,       2.8,       0.0);         ( 411287.0,
3723520.3,       2.7,       2.7,       0.0);
     ( 411307.0, 3723520.3,       2.6,       2.6,       0.0);         ( 411327.0,
3723520.3,       2.6,       2.6,       0.0);
     ( 411347.0, 3723520.3,       2.6,       2.6,       0.0);         ( 411367.0,
3723520.3,       2.6,       2.6,       0.0);
     ( 411387.0, 3723520.3,       2.5,       2.5,       0.0);         ( 411407.0,
3723520.3,       2.7,       2.7,       0.0);
     ( 411427.0, 3723520.3,       2.4,       2.4,       0.0);         ( 411447.0,
3723520.3,       2.6,       2.6,       0.0);
     ( 411467.0, 3723520.3,       2.7,       2.7,       0.0);         ( 411487.0,
3723520.3,       3.2,       3.2,       0.0);
     ( 411507.0, 3723520.3,       3.6,       3.6,       0.0);         ( 411527.0,
3723520.3,       2.9,       2.9,       0.0);
     ( 411547.0, 3723520.3,       2.5,       2.5,       0.0);         ( 411567.0,
3723520.3,       2.5,       2.5,       0.0);
     ( 411587.0, 3723520.3,       2.2,       6.8,       0.0);         ( 411607.0,
3723520.3,       3.8,       6.8,       0.0);
     ( 410707.0, 3723540.3,       2.1,       2.1,       0.0);         ( 410727.0,
3723540.3,       2.2,       2.2,       0.0);
     ( 410747.0, 3723540.3,       2.2,       2.2,       0.0);         ( 410767.0,
3723540.3,       2.3,       2.3,       0.0);
     ( 410787.0, 3723540.3,       2.6,       2.6,       0.0);         ( 410807.0,
3723540.3,       2.8,       2.8,       0.0);
     ( 410827.0, 3723540.3,       2.3,       2.3,       0.0);         ( 410847.0,
3723540.3,       2.8,       2.8,       0.0);
     ( 410867.0, 3723540.3,       2.7,       2.7,       0.0);         ( 410887.0,
3723540.3,       2.2,       2.2,       0.0);
     ( 410907.0, 3723540.3,       2.0,       2.0,       0.0);         ( 410927.0,
3723540.3,       2.5,       2.5,       0.0);
     ( 410947.0, 3723540.3,       2.4,       2.4,       0.0);         ( 410967.0,
3723540.3,       2.1,       2.1,       0.0);
     ( 410987.0, 3723540.3,       1.9,       1.9,       0.0);         ( 411007.0,
3723540.3,       2.4,       2.4,       0.0);
     ( 411027.0, 3723540.3,       2.2,       2.2,       0.0);         ( 411047.0,
3723540.3,       1.9,       1.9,       0.0);
     ( 411067.0, 3723540.3,       1.9,       1.9,       0.0);         ( 411087.0,
3723540.3,       2.2,       2.2,       0.0);
     ( 411107.0, 3723540.3,       2.3,       2.3,       0.0);         ( 411127.0,
3723540.3,       1.9,       1.9,       0.0);
     ( 411147.0, 3723540.3,       1.9,       1.9,       0.0);         ( 411167.0,
3723540.3,       2.3,       2.3,       0.0);
     ( 411187.0, 3723540.3,       2.5,       2.5,       0.0);         ( 411207.0,
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3723540.3,       3.0,       3.0,       0.0);
     ( 411227.0, 3723540.3,       2.9,       2.9,       0.0);         ( 411247.0,
3723540.3,       2.9,       2.9,       0.0);
     ( 411267.0, 3723540.3,       2.9,       2.9,       0.0);         ( 411287.0,
3723540.3,       2.6,       2.6,       0.0);
     ( 411307.0, 3723540.3,       2.3,       2.3,       0.0);         ( 411327.0,
3723540.3,       2.5,       2.5,       0.0);
     ( 411347.0, 3723540.3,       2.6,       2.6,       0.0);         ( 411367.0,
3723540.3,       2.6,       2.6,       0.0);
     ( 411387.0, 3723540.3,       2.6,       2.6,       0.0);         ( 411407.0,
3723540.3,       2.5,       2.5,       0.0);
     ( 411427.0, 3723540.3,       2.0,       2.0,       0.0);         ( 411447.0,
3723540.3,       2.0,       2.0,       0.0);
     ( 411467.0, 3723540.3,       2.1,       2.1,       0.0);         ( 411487.0,
3723540.3,       2.6,       2.6,       0.0);
     ( 411507.0, 3723540.3,       2.8,       2.8,       0.0);         ( 411527.0,
3723540.3,       2.6,       2.6,       0.0);
     ( 411547.0, 3723540.3,       2.5,       2.5,       0.0);         ( 411567.0,
3723540.3,       2.6,       2.6,       0.0);
     ( 411587.0, 3723540.3,       2.2,       6.8,       0.0);         ( 411607.0,
3723540.3,       3.2,       6.8,       0.0);
     ( 410707.0, 3723560.3,       2.5,       2.5,       0.0);         ( 410727.0,
3723560.3,       2.5,       2.5,       0.0);
     ( 410747.0, 3723560.3,       2.6,       2.6,       0.0);         ( 410767.0,
3723560.3,       2.4,       2.4,       0.0);
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                         ***       05/26/20
 *** AERMET - VERSION  16216 ***   ***
                        ***       16:48:31

                                  PAGE 284
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                        *** DISCRETE CARTESIAN RECEPTORS ***
                                      (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                (METERS)

     ( 410787.0, 3723560.3,       2.5,       2.5,       0.0);         ( 410807.0,
3723560.3,       2.6,       2.6,       0.0);
     ( 410827.0, 3723560.3,       2.3,       2.3,       0.0);         ( 410847.0,
3723560.3,       2.7,       2.7,       0.0);
     ( 410867.0, 3723560.3,       2.5,       2.5,       0.0);         ( 410887.0,
3723560.3,       2.2,       2.2,       0.0);
     ( 410907.0, 3723560.3,       2.0,       2.0,       0.0);         ( 410927.0,
3723560.3,       2.4,       2.4,       0.0);
     ( 410947.0, 3723560.3,       2.4,       2.4,       0.0);         ( 410967.0,
3723560.3,       2.1,       2.1,       0.0);
     ( 410987.0, 3723560.3,       1.9,       1.9,       0.0);         ( 411007.0,
3723560.3,       2.3,       2.3,       0.0);
     ( 411027.0, 3723560.3,       2.1,       2.1,       0.0);         ( 411047.0,
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3723560.3,       1.8,       1.8,       0.0);
     ( 411067.0, 3723560.3,       1.8,       1.8,       0.0);         ( 411087.0,
3723560.3,       2.1,       2.1,       0.0);
     ( 411107.0, 3723560.3,       2.2,       2.2,       0.0);         ( 411127.0,
3723560.3,       1.9,       1.9,       0.0);
     ( 411147.0, 3723560.3,       1.9,       1.9,       0.0);         ( 411167.0,
3723560.3,       2.3,       2.3,       0.0);
     ( 411187.0, 3723560.3,       2.5,       2.5,       0.0);         ( 411207.0,
3723560.3,       3.0,       3.0,       0.0);
     ( 411227.0, 3723560.3,       3.0,       3.0,       0.0);         ( 411247.0,
3723560.3,       3.0,       3.0,       0.0);
     ( 411267.0, 3723560.3,       2.9,       2.9,       0.0);         ( 411287.0,
3723560.3,       2.6,       2.6,       0.0);
     ( 411307.0, 3723560.3,       2.2,       2.2,       0.0);         ( 411327.0,
3723560.3,       2.4,       2.4,       0.0);
     ( 411347.0, 3723560.3,       2.7,       2.7,       0.0);         ( 411367.0,
3723560.3,       2.7,       2.7,       0.0);
     ( 411387.0, 3723560.3,       2.7,       2.7,       0.0);         ( 411407.0,
3723560.3,       2.6,       2.6,       0.0);
     ( 411427.0, 3723560.3,       1.9,       1.9,       0.0);         ( 411447.0,
3723560.3,       1.9,       1.9,       0.0);
     ( 411467.0, 3723560.3,       1.9,       1.9,       0.0);         ( 411487.0,
3723560.3,       2.5,       2.5,       0.0);
     ( 411507.0, 3723560.3,       2.4,       2.4,       0.0);         ( 411527.0,
3723560.3,       2.1,       2.1,       0.0);
     ( 411547.0, 3723560.3,       2.5,       2.5,       0.0);         ( 411567.0,
3723560.3,       2.6,       2.6,       0.0);
     ( 411587.0, 3723560.3,       2.2,       2.2,       0.0);         ( 411607.0,
3723560.3,       2.8,       6.8,       0.0);
     ( 410707.0, 3723580.3,       2.7,       2.7,       0.0);         ( 410727.0,
3723580.3,       2.7,       2.7,       0.0);
     ( 410747.0, 3723580.3,       2.9,       2.9,       0.0);         ( 410767.0,
3723580.3,       2.5,       2.5,       0.0);
     ( 410787.0, 3723580.3,       2.3,       2.3,       0.0);         ( 410807.0,
3723580.3,       2.4,       2.4,       0.0);
     ( 410827.0, 3723580.3,       2.1,       2.1,       0.0);         ( 410847.0,
3723580.3,       2.1,       2.1,       0.0);
     ( 410867.0, 3723580.3,       2.0,       2.0,       0.0);         ( 410887.0,
3723580.3,       1.9,       1.9,       0.0);
     ( 410907.0, 3723580.3,       1.8,       1.8,       0.0);         ( 410927.0,
3723580.3,       1.9,       1.9,       0.0);
     ( 410947.0, 3723580.3,       1.9,       1.9,       0.0);         ( 410967.0,
3723580.3,       1.8,       1.8,       0.0);
     ( 410987.0, 3723580.3,       1.7,       1.7,       0.0);         ( 411007.0,
3723580.3,       1.8,       1.8,       0.0);
     ( 411027.0, 3723580.3,       1.7,       1.7,       0.0);         ( 411047.0,
3723580.3,       1.6,       1.6,       0.0);
     ( 411067.0, 3723580.3,       1.6,       1.6,       0.0);         ( 411087.0,
3723580.3,       1.6,       1.6,       0.0);
     ( 411107.0, 3723580.3,       1.7,       1.7,       0.0);         ( 411127.0,
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3723580.3,   1.7,   1.7,   0.0);
     (411147.0, 3723580.3,   1.7,   1.7,   0.0);   (411167.0,
3723580.3,   2.2,   2.2,   0.0);
     (411187.0, 3723580.3,   2.4,   2.4,   0.0);   (411207.0,
3723580.3,   3.0,   3.0,   0.0);
     (411227.0, 3723580.3,   3.0,   3.0,   0.0);   (411247.0,
3723580.3,   3.0,   3.0,   0.0);
     (411267.0, 3723580.3,   3.1,   3.1,   0.0);   (411287.0,
3723580.3,   2.7,   2.7,   0.0);
     (411307.0, 3723580.3,   2.2,   2.2,   0.0);   (411327.0,
3723580.3,   2.4,   2.4,   0.0);
     (411347.0, 3723580.3,   2.7,   2.7,   0.0);   (411367.0,
3723580.3,   2.7,   2.7,   0.0);
     (411387.0, 3723580.3,   2.8,   2.8,   0.0);   (411407.0,
3723580.3,   2.6,   2.6,   0.0);
     (411427.0, 3723580.3,   1.9,   1.9,   0.0);   (411447.0,
3723580.3,   1.9,   1.9,   0.0);
     (411467.0, 3723580.3,   1.9,   1.9,   0.0);   (411487.0,
3723580.3,   2.4,   2.4,   0.0);
     (411507.0, 3723580.3,   2.4,   2.4,   0.0);   (411527.0,
3723580.3,   2.1,   2.1,   0.0);
     (411547.0, 3723580.3,   2.5,   2.5,   0.0);   (411567.0,
3723580.3,   2.6,   2.6,   0.0);
     (411587.0, 3723580.3,   2.3,   2.3,   0.0);   (411607.0,
3723580.3,   2.5,   6.9,   0.0);
     (410707.0, 3723600.3,   2.6,   2.6,   0.0);   (410727.0,
3723600.3,   2.6,   2.6,   0.0);

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                       (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                (METERS)

     (410747.0, 3723600.3,   2.5,   2.5,   0.0);   (410767.0,
3723600.3,   2.4,   2.4,   0.0);
     (410787.0, 3723600.3,   2.6,   2.6,   0.0);   (410807.0,
3723600.3,   2.8,   2.8,   0.0);
     (410827.0, 3723600.3,   2.6,   2.6,   0.0);   (410847.0,
3723600.3,   2.4,   2.4,   0.0);
     (410867.0, 3723600.3,   2.4,   2.4,   0.0);   (410887.0,
3723600.3,   2.2,   2.2,   0.0);
     (410907.0, 3723600.3,   2.2,   2.2,   0.0);   (410927.0,
3723600.3,   2.2,   2.2,   0.0);
     (410947.0, 3723600.3,   2.2,   2.2,   0.0);   (410967.0,

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3723600.3,       2.1,       2.1,       0.0);
     ( 410987.0, 3723600.3,       2.1,       2.1,       0.0);         ( 411007.0,
3723600.3,       2.1,       2.1,       0.0);
     ( 411027.0, 3723600.3,       2.1,       2.1,       0.0);         ( 411047.0,
3723600.3,       2.0,       2.0,       0.0);
     ( 411067.0, 3723600.3,       1.6,       1.6,       0.0);         ( 411087.0,
3723600.3,       1.9,       1.9,       0.0);
     ( 411107.0, 3723600.3,       1.9,       1.9,       0.0);         ( 411127.0,
3723600.3,       2.0,       2.0,       0.0);
     ( 411147.0, 3723600.3,       2.0,       2.0,       0.0);         ( 411167.0,
3723600.3,       2.2,       2.2,       0.0);
     ( 411187.0, 3723600.3,       2.5,       2.5,       0.0);         ( 411207.0,
3723600.3,       2.8,       2.8,       0.0);
     ( 411227.0, 3723600.3,       2.8,       2.8,       0.0);         ( 411247.0,
3723600.3,       2.7,       2.7,       0.0);
     ( 411267.0, 3723600.3,       2.7,       2.7,       0.0);         ( 411287.0,
3723600.3,       2.5,       2.5,       0.0);
     ( 411307.0, 3723600.3,       2.2,       2.2,       0.0);         ( 411327.0,
3723600.3,       2.4,       2.4,       0.0);
     ( 411347.0, 3723600.3,       2.5,       2.5,       0.0);         ( 411367.0,
3723600.3,       2.4,       2.4,       0.0);
     ( 411387.0, 3723600.3,       2.5,       2.5,       0.0);         ( 411407.0,
3723600.3,       2.4,       2.4,       0.0);
     ( 411427.0, 3723600.3,       1.9,       1.9,       0.0);         ( 411447.0,
3723600.3,       1.9,       1.9,       0.0);
     ( 411467.0, 3723600.3,       1.9,       1.9,       0.0);         ( 411487.0,
3723600.3,       2.2,       2.2,       0.0);
     ( 411507.0, 3723600.3,       2.2,       2.2,       0.0);         ( 411527.0,
3723600.3,       2.1,       2.1,       0.0);
     ( 411547.0, 3723600.3,       2.4,       2.4,       0.0);         ( 411567.0,
3723600.3,       2.6,       2.6,       0.0);
     ( 411587.0, 3723600.3,       2.4,       2.4,       0.0);         ( 411607.0,
3723600.3,       2.5,       6.9,       0.0);
     ( 410707.0, 3723620.3,       2.3,       2.3,       0.0);         ( 410727.0,
3723620.3,       2.3,       2.3,       0.0);
     ( 410747.0, 3723620.3,       2.4,       2.4,       0.0);         ( 410767.0,
3723620.3,       2.4,       2.4,       0.0);
     ( 410787.0, 3723620.3,       2.8,       2.8,       0.0);         ( 410807.0,
3723620.3,       3.1,       3.1,       0.0);
     ( 410827.0, 3723620.3,       3.0,       3.0,       0.0);         ( 410847.0,
3723620.3,       2.9,       2.9,       0.0);
     ( 410867.0, 3723620.3,       2.8,       2.8,       0.0);         ( 410887.0,
3723620.3,       2.8,       2.8,       0.0);
     ( 410907.0, 3723620.3,       2.8,       2.8,       0.0);         ( 410927.0,
3723620.3,       2.6,       2.6,       0.0);
     ( 410947.0, 3723620.3,       2.6,       2.6,       0.0);         ( 410967.0,
3723620.3,       2.6,       2.6,       0.0);
     ( 410987.0, 3723620.3,       2.5,       2.5,       0.0);         ( 411007.0,
3723620.3,       2.5,       2.5,       0.0);
     ( 411027.0, 3723620.3,       2.4,       2.4,       0.0);         ( 411047.0,
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3723620.3,   2.4,   2.4,   0.0);
     (411067.0, 3723620.3,   1.7,   1.7,   0.0);   (411087.0,
3723620.3,   2.1,   2.1,   0.0);
     (411107.0, 3723620.3,   2.2,   2.2,   0.0);   (411127.0,
3723620.3,   2.3,   2.3,   0.0);
     (411147.0, 3723620.3,   2.3,   2.3,   0.0);   (411167.0,
3723620.3,   2.3,   2.3,   0.0);
     (411187.0, 3723620.3,   2.4,   2.4,   0.0);   (411207.0,
3723620.3,   2.3,   2.3,   0.0);
     (411227.0, 3723620.3,   2.3,   2.3,   0.0);   (411247.0,
3723620.3,   2.3,   2.3,   0.0);
     (411267.0, 3723620.3,   2.2,   2.2,   0.0);   (411287.0,
3723620.3,   2.1,   2.1,   0.0);
     (411307.0, 3723620.3,   2.1,   2.1,   0.0);   (411327.0,
3723620.3,   2.0,   2.0,   0.0);
     (411347.0, 3723620.3,   2.0,   2.0,   0.0);   (411367.0,
3723620.3,   2.0,   2.0,   0.0);
     (411387.0, 3723620.3,   1.9,   1.9,   0.0);   (411407.0,
3723620.3,   1.9,   1.9,   0.0);
     (411427.0, 3723620.3,   1.9,   1.9,   0.0);   (411447.0,
3723620.3,   1.9,   1.9,   0.0);
     (411467.0, 3723620.3,   1.8,   1.8,   0.0);   (411487.0,
3723620.3,   1.8,   1.8,   0.0);
     (411507.0, 3723620.3,   1.8,   1.8,   0.0);   (411527.0,
3723620.3,   2.0,   2.0,   0.0);
     (411547.0, 3723620.3,   2.5,   2.5,   0.0);   (411567.0,
3723620.3,   2.6,   2.6,   0.0);
     (411587.0, 3723620.3,   2.5,   2.5,   0.0);   (411607.0,
3723620.3,   2.6,   6.9,   0.0);

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                      (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                  (METERS)

     (410707.0, 3723640.3,   2.8,   2.8,   0.0);   (410727.0,
3723640.3,   2.7,   2.7,   0.0);
     (410747.0, 3723640.3,   2.7,   2.7,   0.0);   (410767.0,
3723640.3,   2.5,   2.5,   0.0);
     (410787.0, 3723640.3,   2.8,   2.8,   0.0);   (410807.0,
3723640.3,   3.3,   3.3,   0.0);
     (410827.0, 3723640.3,   3.2,   3.2,   0.0);   (410847.0,
3723640.3,   3.3,   3.3,   0.0);
     (410867.0, 3723640.3,   3.4,   3.4,   0.0);   (410887.0,

```
3723640.3,       3.3,       3.3,       0.0);
     ( 410907.0, 3723640.3,       3.3,       3.3,       0.0);         ( 410927.0,
3723640.3,       3.1,       3.1,       0.0);
     ( 410947.0, 3723640.3,       2.8,       2.8,       0.0);         ( 410967.0,
3723640.3,       2.7,       2.7,       0.0);
     ( 410987.0, 3723640.3,       2.8,       2.8,       0.0);         ( 411007.0,
3723640.3,       2.7,       2.7,       0.0);
     ( 411027.0, 3723640.3,       2.7,       2.7,       0.0);         ( 411047.0,
3723640.3,       2.6,       2.6,       0.0);
     ( 411067.0, 3723640.3,       2.0,       2.0,       0.0);         ( 411087.0,
3723640.3,       2.3,       2.3,       0.0);
     ( 411107.0, 3723640.3,       2.3,       2.3,       0.0);         ( 411127.0,
3723640.3,       2.4,       2.4,       0.0);
     ( 411147.0, 3723640.3,       2.3,       2.3,       0.0);         ( 411167.0,
3723640.3,       2.3,       2.3,       0.0);
     ( 411187.0, 3723640.3,       2.2,       2.2,       0.0);         ( 411207.0,
3723640.3,       2.1,       2.1,       0.0);
     ( 411227.0, 3723640.3,       2.3,       2.3,       0.0);         ( 411247.0,
3723640.3,       2.3,       2.3,       0.0);
     ( 411267.0, 3723640.3,       2.3,       2.3,       0.0);         ( 411287.0,
3723640.3,       2.3,       2.3,       0.0);
     ( 411307.0, 3723640.3,       2.2,       2.2,       0.0);         ( 411327.0,
3723640.3,       2.2,       2.2,       0.0);
     ( 411347.0, 3723640.3,       2.2,       2.2,       0.0);         ( 411367.0,
3723640.3,       2.2,       2.2,       0.0);
     ( 411387.0, 3723640.3,       2.1,       2.1,       0.0);         ( 411407.0,
3723640.3,       2.2,       2.2,       0.0);
     ( 411427.0, 3723640.3,       2.3,       2.3,       0.0);         ( 411447.0,
3723640.3,       2.0,       2.0,       0.0);
     ( 411467.0, 3723640.3,       2.2,       2.2,       0.0);         ( 411487.0,
3723640.3,       2.4,       2.4,       0.0);
     ( 411507.0, 3723640.3,       2.5,       2.5,       0.0);         ( 411527.0,
3723640.3,       2.6,       2.6,       0.0);
     ( 411547.0, 3723640.3,       2.7,       2.7,       0.0);         ( 411567.0,
3723640.3,       2.6,       2.6,       0.0);
     ( 411587.0, 3723640.3,       2.6,       2.6,       0.0);         ( 411607.0,
3723640.3,       2.5,       6.7,       0.0);
     ( 410707.0, 3723660.3,       2.9,       2.9,       0.0);         ( 410727.0,
3723660.3,       2.9,       2.9,       0.0);
     ( 410747.0, 3723660.3,       3.0,       3.0,       0.0);         ( 410767.0,
3723660.3,       2.6,       2.6,       0.0);
     ( 410787.0, 3723660.3,       2.9,       2.9,       0.0);         ( 410807.0,
3723660.3,       3.2,       3.2,       0.0);
     ( 410827.0, 3723660.3,       2.9,       2.9,       0.0);         ( 410847.0,
3723660.3,       2.9,       2.9,       0.0);
     ( 410867.0, 3723660.3,       3.0,       3.0,       0.0);         ( 410887.0,
3723660.3,       3.0,       3.0,       0.0);
     ( 410907.0, 3723660.3,       3.1,       3.1,       0.0);         ( 410927.0,
3723660.3,       3.0,       3.0,       0.0);
     ( 410947.0, 3723660.3,       2.4,       2.4,       0.0);         ( 410967.0,
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3723660.3,   2.3,   2.3,   0.0);
     (410987.0, 3723660.3,   2.3,   2.3,   0.0);   (411007.0,
3723660.3,   2.2,   2.2,   0.0);
     (411027.0, 3723660.3,   2.2,   2.2,   0.0);   (411047.0,
3723660.3,   2.1,   2.1,   0.0);
     (411067.0, 3723660.3,   2.0,   2.0,   0.0);   (411087.0,
3723660.3,   2.0,   2.0,   0.0);
     (411107.0, 3723660.3,   2.0,   2.0,   0.0);   (411127.0,
3723660.3,   1.9,   1.9,   0.0);
     (411147.0, 3723660.3,   1.9,   1.9,   0.0);   (411167.0,
3723660.3,   1.8,   1.8,   0.0);
     (411187.0, 3723660.3,   1.8,   1.8,   0.0);   (411207.0,
3723660.3,   1.7,   1.7,   0.0);
     (411227.0, 3723660.3,   2.0,   2.0,   0.0);   (411247.0,
3723660.3,   2.2,   2.2,   0.0);
     (411267.0, 3723660.3,   2.5,   2.5,   0.0);   (411287.0,
3723660.3,   2.7,   2.7,   0.0);
     (411307.0, 3723660.3,   2.7,   2.7,   0.0);   (411327.0,
3723660.3,   2.6,   2.6,   0.0);
     (411347.0, 3723660.3,   2.6,   2.6,   0.0);   (411367.0,
3723660.3,   2.5,   2.5,   0.0);
     (411387.0, 3723660.3,   2.6,   2.6,   0.0);   (411407.0,
3723660.3,   2.6,   2.6,   0.0);
     (411427.0, 3723660.3,   2.5,   2.5,   0.0);   (411447.0,
3723660.3,   2.1,   2.1,   0.0);
     (411467.0, 3723660.3,   2.3,   2.3,   0.0);   (411487.0,
3723660.3,   2.7,   2.7,   0.0);
     (411507.0, 3723660.3,   2.8,   2.8,   0.0);   (411527.0,
3723660.3,   2.8,   2.8,   0.0);
     (411547.0, 3723660.3,   2.9,   2.9,   0.0);   (411567.0,
3723660.3,   2.6,   2.6,   0.0);

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                        (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                    (METERS)

     (411587.0, 3723660.3,   2.6,   2.6,   0.0);   (411607.0,
3723660.3,   2.5,   2.5,   0.0);
     (410907.0, 3723680.3,   3.4,   3.4,   0.0);   (410927.0,
3723680.3,   3.1,   3.1,   0.0);
     (410947.0, 3723680.3,   2.7,   2.7,   0.0);   (410967.0,
3723680.3,   2.6,   2.6,   0.0);
     (410987.0, 3723680.3,   2.6,   2.6,   0.0);   (411007.0,

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3723680.3,       2.6,       2.6,       0.0);
     ( 411027.0, 3723680.3,       2.6,       2.6,       0.0);         ( 411047.0,
3723680.3,       2.6,       2.6,       0.0);
     ( 411067.0, 3723680.3,       2.4,       2.4,       0.0);         ( 411087.0,
3723680.3,       2.3,       2.3,       0.0);
     ( 411107.0, 3723680.3,       2.2,       2.2,       0.0);         ( 411127.0,
3723680.3,       2.1,       2.1,       0.0);
     ( 411147.0, 3723680.3,       2.2,       2.2,       0.0);         ( 411167.0,
3723680.3,       2.3,       2.3,       0.0);
     ( 411187.0, 3723680.3,       2.0,       2.0,       0.0);         ( 411207.0,
3723680.3,       1.7,       1.7,       0.0);
     ( 411227.0, 3723680.3,       1.9,       1.9,       0.0);         ( 411247.0,
3723680.3,       2.2,       2.2,       0.0);
     ( 411267.0, 3723680.3,       2.5,       2.5,       0.0);         ( 411287.0,
3723680.3,       2.8,       2.8,       0.0);
     ( 411307.0, 3723680.3,       2.7,       2.7,       0.0);         ( 411327.0,
3723680.3,       2.7,       2.7,       0.0);
     ( 411347.0, 3723680.3,       2.7,       2.7,       0.0);         ( 411367.0,
3723680.3,       2.8,       2.8,       0.0);
     ( 411387.0, 3723680.3,       2.7,       2.7,       0.0);         ( 411407.0,
3723680.3,       2.7,       2.7,       0.0);
     ( 411427.0, 3723680.3,       2.6,       2.6,       0.0);         ( 411447.0,
3723680.3,       2.4,       2.4,       0.0);
     ( 411467.0, 3723680.3,       2.6,       2.6,       0.0);         ( 411487.0,
3723680.3,       2.7,       2.7,       0.0);
     ( 411507.0, 3723680.3,       2.5,       2.5,       0.0);         ( 411527.0,
3723680.3,       2.5,       2.5,       0.0);
     ( 411547.0, 3723680.3,       3.0,       3.0,       0.0);         ( 411567.0,
3723680.3,       2.5,       2.5,       0.0);
     ( 411587.0, 3723680.3,       2.7,       2.7,       0.0);         ( 411607.0,
3723680.3,       2.9,       2.9,       0.0);
     ( 410907.0, 3723700.3,       3.5,       3.5,       0.0);         ( 410927.0,
3723700.3,       3.1,       3.1,       0.0);
     ( 410947.0, 3723700.3,       2.9,       2.9,       0.0);         ( 410967.0,
3723700.3,       2.7,       2.7,       0.0);
     ( 410987.0, 3723700.3,       2.7,       2.7,       0.0);         ( 411007.0,
3723700.3,       2.7,       2.7,       0.0);
     ( 411027.0, 3723700.3,       2.6,       2.6,       0.0);         ( 411047.0,
3723700.3,       2.5,       2.5,       0.0);
     ( 411067.0, 3723700.3,       2.6,       2.6,       0.0);         ( 411087.0,
3723700.3,       2.5,       2.5,       0.0);
     ( 411107.0, 3723700.3,       2.5,       2.5,       0.0);         ( 411127.0,
3723700.3,       2.2,       2.2,       0.0);
     ( 411147.0, 3723700.3,       2.3,       2.3,       0.0);         ( 411167.0,
3723700.3,       2.4,       2.4,       0.0);
     ( 411187.0, 3723700.3,       2.0,       2.0,       0.0);         ( 411207.0,
3723700.3,       1.6,       1.6,       0.0);
     ( 411227.0, 3723700.3,       2.0,       2.0,       0.0);         ( 411247.0,
3723700.3,       2.2,       2.2,       0.0);
     ( 411267.0, 3723700.3,       2.5,       2.5,       0.0);         ( 411287.0,
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3723700.3, 2.8, 2.8, 0.0);
     (411307.0, 3723700.3, 2.7, 2.7, 0.0); (411327.0,
3723700.3, 2.7, 2.7, 0.0);
     (411347.0, 3723700.3, 2.7, 2.7, 0.0); (411367.0,
3723700.3, 2.6, 2.6, 0.0);
     (411387.0, 3723700.3, 2.7, 2.7, 0.0); (411407.0,
3723700.3, 2.6, 2.6, 0.0);
     (411427.0, 3723700.3, 2.5, 2.5, 0.0); (411447.0,
3723700.3, 2.1, 2.1, 0.0);
     (411467.0, 3723700.3, 2.4, 2.4, 0.0); (411487.0,
3723700.3, 2.7, 2.7, 0.0);
     (411507.0, 3723700.3, 2.4, 2.4, 0.0); (411527.0,
3723700.3, 2.5, 2.5, 0.0);
     (411547.0, 3723700.3, 2.9, 2.9, 0.0); (411567.0,
3723700.3, 2.5, 2.5, 0.0);
     (411587.0, 3723700.3, 2.7, 2.7, 0.0); (411607.0,
3723700.3, 2.9, 2.9, 0.0);
     (410907.0, 3723720.3, 3.3, 3.3, 0.0); (410927.0,
3723720.3, 3.0, 3.0, 0.0);
     (410947.0, 3723720.3, 2.9, 2.9, 0.0); (410967.0,
3723720.3, 2.6, 2.6, 0.0);
     (410987.0, 3723720.3, 2.4, 2.4, 0.0); (411007.0,
3723720.3, 2.4, 2.4, 0.0);
     (411027.0, 3723720.3, 2.4, 2.4, 0.0); (411047.0,
3723720.3, 2.2, 2.2, 0.0);
     (411067.0, 3723720.3, 2.6, 2.6, 0.0); (411087.0,
3723720.3, 2.6, 2.6, 0.0);
     (411107.0, 3723720.3, 2.5, 2.5, 0.0); (411127.0,
3723720.3, 2.2, 2.2, 0.0);
     (411147.0, 3723720.3, 2.3, 2.3, 0.0); (411167.0,
3723720.3, 2.4, 2.4, 0.0);
     (411187.0, 3723720.3, 2.0, 2.0, 0.0); (411207.0,
3723720.3, 1.7, 1.7, 0.0);

                                      *** DISCRETE CARTESIAN RECEPTORS ***
                                    (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                (METERS)

     (411227.0, 3723720.3, 2.0, 2.0, 0.0); (411247.0,
3723720.3, 2.2, 2.2, 0.0);
     (411267.0, 3723720.3, 2.4, 2.4, 0.0); (411287.0,
3723720.3, 2.5, 2.5, 0.0);
     (411307.0, 3723720.3, 2.5, 2.5, 0.0); (411327.0,

```
3723720.3,       2.5,       2.5,       0.0);
     ( 411347.0, 3723720.3,       2.4,       2.4,       0.0);         ( 411367.0,
3723720.3,       2.5,       2.5,       0.0);
     ( 411387.0, 3723720.3,       2.4,       2.4,       0.0);         ( 411407.0,
3723720.3,       2.4,       2.4,       0.0);
     ( 411427.0, 3723720.3,       2.4,       2.4,       0.0);         ( 411447.0,
3723720.3,       2.1,       2.1,       0.0);
     ( 411467.0, 3723720.3,       2.3,       2.3,       0.0);         ( 411487.0,
3723720.3,       2.6,       2.6,       0.0);
     ( 411507.0, 3723720.3,       2.6,       2.6,       0.0);         ( 411527.0,
3723720.3,       2.7,       2.7,       0.0);
     ( 411547.0, 3723720.3,       2.8,       2.8,       0.0);         ( 411567.0,
3723720.3,       2.5,       2.5,       0.0);
     ( 411587.0, 3723720.3,       2.7,       2.7,       0.0);         ( 411607.0,
3723720.3,       2.9,       2.9,       0.0);
     ( 410907.0, 3723740.3,       3.3,       3.3,       0.0);         ( 410927.0,
3723740.3,       3.1,       3.1,       0.0);
     ( 410947.0, 3723740.3,       3.0,       3.0,       0.0);         ( 410967.0,
3723740.3,       2.9,       2.9,       0.0);
     ( 410987.0, 3723740.3,       2.7,       2.7,       0.0);         ( 411007.0,
3723740.3,       2.4,       2.4,       0.0);
     ( 411027.0, 3723740.3,       2.4,       2.4,       0.0);         ( 411047.0,
3723740.3,       2.2,       2.2,       0.0);
     ( 411067.0, 3723740.3,       2.4,       2.4,       0.0);         ( 411087.0,
3723740.3,       2.5,       2.5,       0.0);
     ( 411107.0, 3723740.3,       2.4,       2.4,       0.0);         ( 411127.0,
3723740.3,       2.1,       2.1,       0.0);
     ( 411147.0, 3723740.3,       2.2,       2.2,       0.0);         ( 411167.0,
3723740.3,       2.4,       2.4,       0.0);
     ( 411187.0, 3723740.3,       2.1,       2.1,       0.0);         ( 411207.0,
3723740.3,       1.7,       1.7,       0.0);
     ( 411227.0, 3723740.3,       2.1,       2.1,       0.0);         ( 411247.0,
3723740.3,       2.2,       2.2,       0.0);
     ( 411267.0, 3723740.3,       2.3,       2.3,       0.0);         ( 411287.0,
3723740.3,       2.3,       2.3,       0.0);
     ( 411307.0, 3723740.3,       2.3,       2.3,       0.0);         ( 411327.0,
3723740.3,       2.2,       2.2,       0.0);
     ( 411347.0, 3723740.3,       2.3,       2.3,       0.0);         ( 411367.0,
3723740.3,       2.2,       2.2,       0.0);
     ( 411387.0, 3723740.3,       2.2,       2.2,       0.0);         ( 411407.0,
3723740.3,       2.2,       2.2,       0.0);
     ( 411427.0, 3723740.3,       2.3,       2.3,       0.0);         ( 411447.0,
3723740.3,       2.4,       2.4,       0.0);
     ( 411467.0, 3723740.3,       2.5,       2.5,       0.0);         ( 411487.0,
3723740.3,       2.6,       2.6,       0.0);
     ( 411507.0, 3723740.3,       2.6,       2.6,       0.0);         ( 411527.0,
3723740.3,       2.6,       2.6,       0.0);
     ( 411547.0, 3723740.3,       2.6,       2.6,       0.0);         ( 411567.0,
3723740.3,       2.5,       2.5,       0.0);
     ( 411587.0, 3723740.3,       2.7,       2.7,       0.0);         ( 411607.0,
```

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3723740.3,       2.9,       2.9,       0.0);
     ( 410907.0, 3723760.3,       3.2,       3.2,       0.0);         ( 410927.0,
3723760.3,       2.8,       2.8,       0.0);
     ( 410947.0, 3723760.3,       2.7,       2.7,       0.0);         ( 410967.0,
3723760.3,       2.7,       2.7,       0.0);
     ( 410987.0, 3723760.3,       2.7,       2.7,       0.0);         ( 411007.0,
3723760.3,       2.3,       2.3,       0.0);
     ( 411027.0, 3723760.3,       2.3,       2.3,       0.0);         ( 411047.0,
3723760.3,       2.2,       2.2,       0.0);
     ( 411067.0, 3723760.3,       2.4,       2.4,       0.0);         ( 411087.0,
3723760.3,       2.5,       2.5,       0.0);
     ( 411107.0, 3723760.3,       2.4,       2.4,       0.0);         ( 411127.0,
3723760.3,       2.1,       2.1,       0.0);
     ( 411147.0, 3723760.3,       2.2,       2.2,       0.0);         ( 411167.0,
3723760.3,       2.4,       2.4,       0.0);
     ( 411187.0, 3723760.3,       2.1,       2.1,       0.0);         ( 411207.0,
3723760.3,       1.7,       1.7,       0.0);
     ( 411227.0, 3723760.3,       2.1,       2.1,       0.0);         ( 411247.0,
3723760.3,       2.3,       2.3,       0.0);
     ( 411267.0, 3723760.3,       2.4,       2.4,       0.0);         ( 411287.0,
3723760.3,       2.4,       2.4,       0.0);
     ( 411307.0, 3723760.3,       2.5,       2.5,       0.0);         ( 411327.0,
3723760.3,       2.5,       2.5,       0.0);
     ( 411347.0, 3723760.3,       2.7,       2.7,       0.0);         ( 411367.0,
3723760.3,       2.6,       2.6,       0.0);
     ( 411387.0, 3723760.3,       2.7,       2.7,       0.0);         ( 411407.0,
3723760.3,       2.5,       2.5,       0.0);
     ( 411427.0, 3723760.3,       2.8,       2.8,       0.0);         ( 411447.0,
3723760.3,       3.0,       3.0,       0.0);
     ( 411467.0, 3723760.3,       2.8,       2.8,       0.0);         ( 411487.0,
3723760.3,       2.8,       2.8,       0.0);
     ( 411507.0, 3723760.3,       2.8,       2.8,       0.0);         ( 411527.0,
3723760.3,       2.9,       2.9,       0.0);
     ( 411547.0, 3723760.3,       2.8,       2.8,       0.0);         ( 411567.0,
3723760.3,       2.5,       2.5,       0.0);
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                        ***       05/26/20
 *** AERMET - VERSION  16216 ***   ***
                        ***       16:48:31

                                  PAGE 289
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                        *** DISCRETE CARTESIAN RECEPTORS ***
                                      (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                (METERS)

     ( 411587.0, 3723760.3,       2.6,       2.6,       0.0);         ( 411607.0,
3723760.3,       2.9,       2.9,       0.0);
     ( 410907.0, 3723780.3,       3.1,       3.1,       0.0);         ( 410927.0,
```

```
3723780.3,       2.7,       2.7,       0.0);
     ( 410947.0, 3723780.3,       2.7,       2.7,       0.0);         ( 410967.0,
3723780.3,       2.7,       2.7,       0.0);
     ( 410987.0, 3723780.3,       2.5,       2.5,       0.0);         ( 411007.0,
3723780.3,       2.6,       2.6,       0.0);
     ( 411027.0, 3723780.3,       2.4,       2.4,       0.0);         ( 411047.0,
3723780.3,       2.2,       2.2,       0.0);
     ( 411067.0, 3723780.3,       2.4,       2.4,       0.0);         ( 411087.0,
3723780.3,       2.5,       2.5,       0.0);
     ( 411107.0, 3723780.3,       2.4,       2.4,       0.0);         ( 411127.0,
3723780.3,       1.9,       1.9,       0.0);
     ( 411147.0, 3723780.3,       2.1,       2.1,       0.0);         ( 411167.0,
3723780.3,       2.4,       2.4,       0.0);
     ( 411187.0, 3723780.3,       2.2,       2.2,       0.0);         ( 411207.0,
3723780.3,       1.8,       1.8,       0.0);
     ( 411227.0, 3723780.3,       2.2,       2.2,       0.0);         ( 411247.0,
3723780.3,       2.3,       2.3,       0.0);
     ( 411267.0, 3723780.3,       2.3,       2.3,       0.0);         ( 411287.0,
3723780.3,       2.3,       2.3,       0.0);
     ( 411307.0, 3723780.3,       2.4,       2.4,       0.0);         ( 411327.0,
3723780.3,       2.4,       2.4,       0.0);
     ( 411347.0, 3723780.3,       2.7,       2.7,       0.0);         ( 411367.0,
3723780.3,       2.7,       2.7,       0.0);
     ( 411387.0, 3723780.3,       2.8,       2.8,       0.0);         ( 411407.0,
3723780.3,       2.5,       2.5,       0.0);
     ( 411427.0, 3723780.3,       2.7,       2.7,       0.0);         ( 411447.0,
3723780.3,       2.9,       2.9,       0.0);
     ( 411467.0, 3723780.3,       2.7,       2.7,       0.0);         ( 411487.0,
3723780.3,       2.8,       2.8,       0.0);
     ( 411507.0, 3723780.3,       2.8,       2.8,       0.0);         ( 411527.0,
3723780.3,       3.1,       3.1,       0.0);
     ( 411547.0, 3723780.3,       3.0,       3.0,       0.0);         ( 411567.0,
3723780.3,       2.6,       2.6,       0.0);
     ( 411587.0, 3723780.3,       2.6,       2.6,       0.0);         ( 411607.0,
3723780.3,       3.2,       3.2,       0.0);
     ( 410907.0, 3723800.3,       2.6,       2.6,       0.0);         ( 410927.0,
3723800.3,       2.4,       2.4,       0.0);
     ( 410947.0, 3723800.3,       2.6,       2.6,       0.0);         ( 410967.0,
3723800.3,       2.6,       2.6,       0.0);
     ( 410987.0, 3723800.3,       2.3,       2.3,       0.0);         ( 411007.0,
3723800.3,       2.4,       2.4,       0.0);
     ( 411027.0, 3723800.3,       2.4,       2.4,       0.0);         ( 411047.0,
3723800.3,       2.3,       2.3,       0.0);
     ( 411067.0, 3723800.3,       2.3,       2.3,       0.0);         ( 411087.0,
3723800.3,       2.3,       2.3,       0.0);
     ( 411107.0, 3723800.3,       2.2,       2.2,       0.0);         ( 411127.0,
3723800.3,       1.8,       1.8,       0.0);
     ( 411147.0, 3723800.3,       2.1,       2.1,       0.0);         ( 411167.0,
3723800.3,       2.3,       2.3,       0.0);
     ( 411187.0, 3723800.3,       2.3,       2.3,       0.0);         ( 411207.0,
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3723800.3,       1.8,       1.8,       0.0);
     ( 411227.0, 3723800.3,       2.2,       2.2,       0.0);         ( 411247.0,
3723800.3,       2.3,       2.3,       0.0);
     ( 411267.0, 3723800.3,       2.2,       2.2,       0.0);         ( 411287.0,
3723800.3,       2.2,       2.2,       0.0);
     ( 411307.0, 3723800.3,       2.2,       2.2,       0.0);         ( 411327.0,
3723800.3,       2.3,       2.3,       0.0);
     ( 411347.0, 3723800.3,       2.5,       2.5,       0.0);         ( 411367.0,
3723800.3,       2.6,       2.6,       0.0);
     ( 411387.0, 3723800.3,       2.7,       2.7,       0.0);         ( 411407.0,
3723800.3,       2.4,       2.4,       0.0);
     ( 411427.0, 3723800.3,       2.5,       2.5,       0.0);         ( 411447.0,
3723800.3,       2.7,       2.7,       0.0);
     ( 411467.0, 3723800.3,       2.6,       2.6,       0.0);         ( 411487.0,
3723800.3,       2.6,       2.6,       0.0);
     ( 411507.0, 3723800.3,       2.6,       2.6,       0.0);         ( 411527.0,
3723800.3,       3.0,       3.0,       0.0);
     ( 411547.0, 3723800.3,       2.8,       2.8,       0.0);         ( 411567.0,
3723800.3,       2.6,       2.6,       0.0);
     ( 411587.0, 3723800.3,       2.6,       2.6,       0.0);         ( 411607.0,
3723800.3,       3.1,       3.1,       0.0);
     ( 410907.0, 3723820.3,       2.4,       2.4,       0.0);         ( 410927.0,
3723820.3,       2.4,       2.4,       0.0);
     ( 410947.0, 3723820.3,       2.3,       2.3,       0.0);         ( 410967.0,
3723820.3,       2.3,       2.3,       0.0);
     ( 410987.0, 3723820.3,       2.2,       2.2,       0.0);         ( 411007.0,
3723820.3,       2.2,       2.2,       0.0);
     ( 411027.0, 3723820.3,       2.1,       2.1,       0.0);         ( 411047.0,
3723820.3,       2.1,       2.1,       0.0);
     ( 411067.0, 3723820.3,       2.0,       2.0,       0.0);         ( 411087.0,
3723820.3,       1.9,       1.9,       0.0);
     ( 411107.0, 3723820.3,       1.9,       1.9,       0.0);         ( 411127.0,
3723820.3,       1.9,       1.9,       0.0);
     ( 411147.0, 3723820.3,       1.9,       1.9,       0.0);         ( 411167.0,
3723820.3,       1.9,       1.9,       0.0);
     ( 411187.0, 3723820.3,       1.9,       1.9,       0.0);         ( 411207.0,
3723820.3,       1.9,       1.9,       0.0);
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***       05/26/20
 *** AERMET - VERSION  16216 ***   ***
                          ***       16:48:31

                                    PAGE 290
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                              *** DISCRETE CARTESIAN RECEPTORS ***
                                            (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                        (METERS)

     ( 411227.0, 3723820.3,       2.0,       2.0,       0.0);         ( 411247.0,
```

```
3723820.3,       2.0,       2.0,       0.0);
     ( 411267.0, 3723820.3,       2.0,       2.0,       0.0);         ( 411287.0,
3723820.3,       2.0,       2.0,       0.0);
     ( 411307.0, 3723820.3,       2.1,       2.1,       0.0);         ( 411327.0,
3723820.3,       2.1,       2.1,       0.0);
     ( 411347.0, 3723820.3,       2.2,       2.2,       0.0);         ( 411367.0,
3723820.3,       2.2,       2.2,       0.0);
     ( 411387.0, 3723820.3,       2.2,       2.2,       0.0);         ( 411407.0,
3723820.3,       2.2,       2.2,       0.0);
     ( 411427.0, 3723820.3,       2.3,       2.3,       0.0);         ( 411447.0,
3723820.3,       2.3,       2.3,       0.0);
     ( 411467.0, 3723820.3,       2.4,       2.4,       0.0);         ( 411487.0,
3723820.3,       2.4,       2.4,       0.0);
     ( 411507.0, 3723820.3,       2.4,       2.4,       0.0);         ( 411527.0,
3723820.3,       2.4,       2.4,       0.0);
     ( 411547.0, 3723820.3,       2.5,       2.5,       0.0);         ( 411567.0,
3723820.3,       2.6,       2.6,       0.0);
     ( 411587.0, 3723820.3,       2.6,       2.6,       0.0);         ( 411607.0,
3723820.3,       2.8,       2.8,       0.0);
     ( 410907.0, 3723840.3,       2.4,       2.4,       0.0);         ( 410927.0,
3723840.3,       2.3,       2.3,       0.0);
     ( 410947.0, 3723840.3,       2.2,       2.2,       0.0);         ( 410967.0,
3723840.3,       2.3,       2.3,       0.0);
     ( 410987.0, 3723840.3,       2.2,       2.2,       0.0);         ( 411007.0,
3723840.3,       2.1,       2.1,       0.0);
     ( 411027.0, 3723840.3,       2.1,       2.1,       0.0);         ( 411047.0,
3723840.3,       2.1,       2.1,       0.0);
     ( 411067.0, 3723840.3,       2.0,       2.0,       0.0);         ( 411087.0,
3723840.3,       1.9,       1.9,       0.0);
     ( 411107.0, 3723840.3,       1.8,       1.8,       0.0);         ( 411127.0,
3723840.3,       2.1,       2.1,       0.0);
     ( 411147.0, 3723840.3,       2.1,       2.1,       0.0);         ( 411167.0,
3723840.3,       2.1,       2.1,       0.0);
     ( 411187.0, 3723840.3,       2.2,       2.2,       0.0);         ( 411207.0,
3723840.3,       2.2,       2.2,       0.0);
     ( 411227.0, 3723840.3,       2.1,       2.1,       0.0);         ( 411247.0,
3723840.3,       2.2,       2.2,       0.0);
     ( 411267.0, 3723840.3,       2.3,       2.3,       0.0);         ( 411287.0,
3723840.3,       2.3,       2.3,       0.0);
     ( 411307.0, 3723840.3,       2.4,       2.4,       0.0);         ( 411327.0,
3723840.3,       2.4,       2.4,       0.0);
     ( 411347.0, 3723840.3,       2.4,       2.4,       0.0);         ( 411367.0,
3723840.3,       2.5,       2.5,       0.0);
     ( 411387.0, 3723840.3,       2.5,       2.5,       0.0);         ( 411407.0,
3723840.3,       2.4,       2.4,       0.0);
     ( 411427.0, 3723840.3,       2.3,       2.3,       0.0);         ( 411447.0,
3723840.3,       2.4,       2.4,       0.0);
     ( 411467.0, 3723840.3,       2.4,       2.4,       0.0);         ( 411487.0,
3723840.3,       2.3,       2.3,       0.0);
     ( 411507.0, 3723840.3,       2.4,       2.4,       0.0);         ( 411527.0,
```

```
3723840.3,       2.5,       2.5,       0.0);
     ( 411547.0, 3723840.3,       2.6,       2.6,       0.0);         ( 411567.0,
3723840.3,       2.5,       2.5,       0.0);
     ( 411587.0, 3723840.3,       2.6,       2.6,       0.0);         ( 411607.0,
3723840.3,       2.9,       2.9,       0.0);
     ( 410907.0, 3723860.3,       2.3,       2.3,       0.0);         ( 410927.0,
3723860.3,       2.2,       2.2,       0.0);
     ( 410947.0, 3723860.3,       2.0,       2.0,       0.0);         ( 410967.0,
3723860.3,       2.1,       2.1,       0.0);
     ( 410987.0, 3723860.3,       2.2,       2.2,       0.0);         ( 411007.0,
3723860.3,       2.1,       2.1,       0.0);
     ( 411027.0, 3723860.3,       1.9,       1.9,       0.0);         ( 411047.0,
3723860.3,       1.9,       1.9,       0.0);
     ( 411067.0, 3723860.3,       2.0,       2.0,       0.0);         ( 411087.0,
3723860.3,       2.0,       2.0,       0.0);
     ( 411107.0, 3723860.3,       2.1,       2.1,       0.0);         ( 411127.0,
3723860.3,       2.4,       2.4,       0.0);
     ( 411147.0, 3723860.3,       2.3,       2.3,       0.0);         ( 411167.0,
3723860.3,       2.4,       2.4,       0.0);
     ( 411187.0, 3723860.3,       2.4,       2.4,       0.0);         ( 411207.0,
3723860.3,       2.3,       2.3,       0.0);
     ( 411227.0, 3723860.3,       2.4,       2.4,       0.0);         ( 411247.0,
3723860.3,       2.4,       2.4,       0.0);
     ( 411267.0, 3723860.3,       2.4,       2.4,       0.0);         ( 411287.0,
3723860.3,       2.4,       2.4,       0.0);
     ( 411307.0, 3723860.3,       2.5,       2.5,       0.0);         ( 411327.0,
3723860.3,       2.5,       2.5,       0.0);
     ( 411347.0, 3723860.3,       2.5,       2.5,       0.0);         ( 411367.0,
3723860.3,       2.6,       2.6,       0.0);
     ( 411387.0, 3723860.3,       2.6,       2.6,       0.0);         ( 411407.0,
3723860.3,       2.5,       2.5,       0.0);
     ( 411427.0, 3723860.3,       2.3,       2.3,       0.0);         ( 411447.0,
3723860.3,       2.5,       2.5,       0.0);
     ( 411467.0, 3723860.3,       2.5,       2.5,       0.0);         ( 411487.0,
3723860.3,       2.3,       2.3,       0.0);
     ( 411507.0, 3723860.3,       2.3,       2.3,       0.0);         ( 411527.0,
3723860.3,       2.8,       2.8,       0.0);
     ( 411547.0, 3723860.3,       2.9,       2.9,       0.0);         ( 411567.0,
3723860.3,       2.6,       2.6,       0.0);
```


*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```
     ( 411587.0, 3723860.3,       2.6,       2.6,       0.0);         ( 411607.0,
3723860.3,       3.0,       3.0,       0.0);
     ( 410907.0, 3723880.3,       1.8,       1.8,       0.0);         ( 410927.0,
3723880.3,       1.9,       1.9,       0.0);
     ( 410947.0, 3723880.3,       1.8,       1.8,       0.0);         ( 410967.0,
3723880.3,       1.7,       1.7,       0.0);
     ( 410987.0, 3723880.3,       1.6,       1.6,       0.0);         ( 411007.0,
3723880.3,       1.7,       1.7,       0.0);
     ( 411027.0, 3723880.3,       1.6,       1.6,       0.0);         ( 411047.0,
3723880.3,       1.5,       1.5,       0.0);
     ( 411067.0, 3723880.3,       1.8,       1.8,       0.0);         ( 411087.0,
3723880.3,       2.1,       2.1,       0.0);
     ( 411107.0, 3723880.3,       2.1,       2.1,       0.0);         ( 411127.0,
3723880.3,       2.1,       2.1,       0.0);
     ( 411147.0, 3723880.3,       2.2,       2.2,       0.0);         ( 411167.0,
3723880.3,       2.2,       2.2,       0.0);
     ( 411187.0, 3723880.3,       2.2,       2.2,       0.0);         ( 411207.0,
3723880.3,       2.2,       2.2,       0.0);
     ( 411227.0, 3723880.3,       2.2,       2.2,       0.0);         ( 411247.0,
3723880.3,       2.3,       2.3,       0.0);
     ( 411267.0, 3723880.3,       2.3,       2.3,       0.0);         ( 411287.0,
3723880.3,       2.3,       2.3,       0.0);
     ( 411307.0, 3723880.3,       2.3,       2.3,       0.0);         ( 411327.0,
3723880.3,       2.2,       2.2,       0.0);
     ( 411347.0, 3723880.3,       2.2,       2.2,       0.0);         ( 411367.0,
3723880.3,       2.2,       2.2,       0.0);
     ( 411387.0, 3723880.3,       2.2,       2.2,       0.0);         ( 411407.0,
3723880.3,       2.0,       2.0,       0.0);
     ( 411427.0, 3723880.3,       2.3,       2.3,       0.0);         ( 411447.0,
3723880.3,       2.6,       2.6,       0.0);
     ( 411467.0, 3723880.3,       2.5,       2.5,       0.0);         ( 411487.0,
3723880.3,       2.3,       2.3,       0.0);
     ( 411507.0, 3723880.3,       2.3,       2.3,       0.0);         ( 411527.0,
3723880.3,       2.5,       2.5,       0.0);
     ( 411547.0, 3723880.3,       2.7,       2.7,       0.0);         ( 411567.0,
3723880.3,       2.6,       2.6,       0.0);
     ( 411587.0, 3723880.3,       2.6,       2.6,       0.0);         ( 411607.0,
3723880.3,       3.1,       3.1,       0.0);
     ( 410907.0, 3723900.3,       2.1,       2.1,       0.0);         ( 410927.0,
3723900.3,       2.4,       2.4,       0.0);
     ( 410947.0, 3723900.3,       2.3,       2.3,       0.0);         ( 410967.0,
3723900.3,       2.0,       2.0,       0.0);
     ( 410987.0, 3723900.3,       2.0,       2.0,       0.0);         ( 411007.0,
3723900.3,       2.3,       2.3,       0.0);
     ( 411027.0, 3723900.3,       2.1,       2.1,       0.0);         ( 411047.0,
3723900.3,       1.6,       1.6,       0.0);
     ( 411067.0, 3723900.3,       1.9,       1.9,       0.0);         ( 411087.0,
3723900.3,       2.1,       2.1,       0.0);
     ( 411107.0, 3723900.3,       2.1,       2.1,       0.0);         ( 411127.0,
```

```
3723900.3,       2.4,       2.4,       0.0);
     ( 411147.0, 3723900.3,       2.6,       2.6,       0.0);         ( 411167.0,
3723900.3,       2.7,       2.7,       0.0);
     ( 411187.0, 3723900.3,       2.4,       2.4,       0.0);         ( 411207.0,
3723900.3,       2.6,       2.6,       0.0);
     ( 411227.0, 3723900.3,       2.6,       2.6,       0.0);         ( 411247.0,
3723900.3,       2.6,       2.6,       0.0);
     ( 411267.0, 3723900.3,       2.7,       2.7,       0.0);         ( 411287.0,
3723900.3,       2.8,       2.8,       0.0);
     ( 411307.0, 3723900.3,       2.4,       2.4,       0.0);         ( 411327.0,
3723900.3,       2.4,       2.4,       0.0);
     ( 411347.0, 3723900.3,       2.3,       2.3,       0.0);         ( 411367.0,
3723900.3,       2.4,       2.4,       0.0);
     ( 411387.0, 3723900.3,       2.4,       2.4,       0.0);         ( 411407.0,
3723900.3,       2.0,       2.0,       0.0);
     ( 411427.0, 3723900.3,       2.2,       2.2,       0.0);         ( 411447.0,
3723900.3,       2.5,       2.5,       0.0);
     ( 411467.0, 3723900.3,       2.5,       2.5,       0.0);         ( 411487.0,
3723900.3,       2.3,       2.3,       0.0);
     ( 411507.0, 3723900.3,       2.2,       2.2,       0.0);         ( 411527.0,
3723900.3,       2.3,       2.3,       0.0);
     ( 411547.0, 3723900.3,       2.6,       2.6,       0.0);         ( 411567.0,
3723900.3,       2.7,       2.7,       0.0);
     ( 411587.0, 3723900.3,       2.6,       2.6,       0.0);         ( 411607.0,
3723900.3,       2.9,       2.9,       0.0);
     ( 410907.0, 3723920.3,       2.2,       2.2,       0.0);         ( 410927.0,
3723920.3,       2.6,       2.6,       0.0);
     ( 410947.0, 3723920.3,       2.4,       2.4,       0.0);         ( 410967.0,
3723920.3,       2.0,       2.0,       0.0);
     ( 410987.0, 3723920.3,       2.1,       2.1,       0.0);         ( 411007.0,
3723920.3,       2.3,       2.3,       0.0);
     ( 411027.0, 3723920.3,       2.1,       2.1,       0.0);         ( 411047.0,
3723920.3,       1.7,       1.7,       0.0);
     ( 411067.0, 3723920.3,       2.0,       2.0,       0.0);         ( 411087.0,
3723920.3,       2.1,       2.1,       0.0);
     ( 411107.0, 3723920.3,       2.1,       2.1,       0.0);         ( 411127.0,
3723920.3,       2.5,       2.5,       0.0);
     ( 411147.0, 3723920.3,       2.6,       2.6,       0.0);         ( 411167.0,
3723920.3,       2.7,       2.7,       0.0);
     ( 411187.0, 3723920.3,       2.6,       2.6,       0.0);         ( 411207.0,
3723920.3,       2.6,       2.6,       0.0);
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***       05/26/20
 *** AERMET - VERSION  16216 ***   ***
                          ***       16:48:31

                                    PAGE 292
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                                *** DISCRETE CARTESIAN RECEPTORS ***
```

(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(411227.0, 3723920.3, 2.6, 2.6, 0.0); (411247.0, 3723920.3, 2.6, 2.6, 0.0);
(411267.0, 3723920.3, 2.7, 2.7, 0.0); (411287.0, 3723920.3, 2.6, 2.6, 0.0);
(411307.0, 3723920.3, 2.5, 2.5, 0.0); (411327.0, 3723920.3, 2.5, 2.5, 0.0);
(411347.0, 3723920.3, 2.4, 2.4, 0.0); (411367.0, 3723920.3, 2.5, 2.5, 0.0);
(411387.0, 3723920.3, 2.5, 2.5, 0.0); (411407.0, 3723920.3, 2.0, 2.0, 0.0);
(411427.0, 3723920.3, 2.3, 2.3, 0.0); (411447.0, 3723920.3, 2.5, 2.5, 0.0);
(411467.0, 3723920.3, 2.5, 2.5, 0.0); (411487.0, 3723920.3, 2.2, 2.2, 0.0);
(411507.0, 3723920.3, 2.1, 2.1, 0.0); (411527.0, 3723920.3, 2.3, 2.3, 0.0);
(411547.0, 3723920.3, 2.5, 2.5, 0.0); (411567.0, 3723920.3, 2.7, 2.7, 0.0);
(411587.0, 3723920.3, 2.6, 2.6, 0.0); (411607.0, 3723920.3, 2.7, 2.7, 0.0);
(410907.0, 3723940.3, 2.3, 2.3, 0.0); (410927.0, 3723940.3, 2.6, 2.6, 0.0);
(410947.0, 3723940.3, 2.4, 2.4, 0.0); (410967.0, 3723940.3, 2.1, 2.1, 0.0);
(410987.0, 3723940.3, 2.2, 2.2, 0.0); (411007.0, 3723940.3, 2.4, 2.4, 0.0);
(411027.0, 3723940.3, 2.1, 2.1, 0.0); (411047.0, 3723940.3, 1.7, 1.7, 0.0);
(411067.0, 3723940.3, 2.0, 2.0, 0.0); (411087.0, 3723940.3, 2.1, 2.1, 0.0);
(411107.0, 3723940.3, 2.1, 2.1, 0.0); (411127.0, 3723940.3, 2.4, 2.4, 0.0);
(411147.0, 3723940.3, 2.7, 2.7, 0.0); (411167.0, 3723940.3, 2.8, 2.8, 0.0);
(411187.0, 3723940.3, 2.9, 2.9, 0.0); (411207.0, 3723940.3, 2.9, 2.9, 0.0);
(411227.0, 3723940.3, 2.8, 2.8, 0.0); (411247.0, 3723940.3, 2.8, 2.8, 0.0);
(411267.0, 3723940.3, 2.7, 2.7, 0.0); (411287.0, 3723940.3, 2.6, 2.6, 0.0);
(411307.0, 3723940.3, 2.7, 2.7, 0.0); (411327.0, 3723940.3, 2.8, 2.8, 0.0);
(411347.0, 3723940.3, 2.8, 2.8, 0.0); (411367.0, 3723940.3, 2.9, 2.9, 0.0);
(411387.0, 3723940.3, 2.8, 2.8, 0.0); (411407.0, 3723940.3, 2.0, 2.0, 0.0);
(411427.0, 3723940.3, 2.2, 2.2, 0.0); (411447.0,

```
3723940.3,       2.5,       2.5,       0.0);
     ( 411467.0, 3723940.3,       2.5,       2.5,       0.0);         ( 411487.0,
3723940.3,       2.3,       2.3,       0.0);
     ( 411507.0, 3723940.3,       2.3,       2.3,       0.0);         ( 411527.0,
3723940.3,       2.4,       2.4,       0.0);
     ( 411547.0, 3723940.3,       2.5,       2.5,       0.0);         ( 411567.0,
3723940.3,       2.7,       2.7,       0.0);
     ( 411587.0, 3723940.3,       2.6,       2.6,       0.0);         ( 411607.0,
3723940.3,       2.7,       2.7,       0.0);
     ( 410907.0, 3723960.3,       2.3,       2.3,       0.0);         ( 410927.0,
3723960.3,       2.7,       2.7,       0.0);
     ( 410947.0, 3723960.3,       2.5,       2.5,       0.0);         ( 410967.0,
3723960.3,       2.1,       2.1,       0.0);
     ( 410987.0, 3723960.3,       2.2,       2.2,       0.0);         ( 411007.0,
3723960.3,       2.5,       2.5,       0.0);
     ( 411027.0, 3723960.3,       2.2,       2.2,       0.0);         ( 411047.0,
3723960.3,       1.7,       1.7,       0.0);
     ( 411067.0, 3723960.3,       2.1,       2.1,       0.0);         ( 411087.0,
3723960.3,       2.2,       2.2,       0.0);
     ( 411107.0, 3723960.3,       2.1,       2.1,       0.0);         ( 411127.0,
3723960.3,       2.5,       2.5,       0.0);
     ( 411147.0, 3723960.3,       2.7,       2.7,       0.0);         ( 411167.0,
3723960.3,       2.8,       2.8,       0.0);
     ( 411187.0, 3723960.3,       2.7,       2.7,       0.0);         ( 411207.0,
3723960.3,       2.7,       2.7,       0.0);
     ( 411227.0, 3723960.3,       2.6,       2.6,       0.0);         ( 411247.0,
3723960.3,       2.4,       2.4,       0.0);
     ( 411267.0, 3723960.3,       2.3,       2.3,       0.0);         ( 411287.0,
3723960.3,       2.5,       2.5,       0.0);
     ( 411307.0, 3723960.3,       2.7,       2.7,       0.0);         ( 411327.0,
3723960.3,       2.8,       2.8,       0.0);
     ( 411347.0, 3723960.3,       2.8,       2.8,       0.0);         ( 411367.0,
3723960.3,       2.9,       2.9,       0.0);
     ( 411387.0, 3723960.3,       2.8,       2.8,       0.0);         ( 411407.0,
3723960.3,       2.0,       2.0,       0.0);
     ( 411427.0, 3723960.3,       2.1,       2.1,       0.0);         ( 411447.0,
3723960.3,       2.3,       2.3,       0.0);
     ( 411467.0, 3723960.3,       2.4,       2.4,       0.0);         ( 411487.0,
3723960.3,       2.4,       2.4,       0.0);
     ( 411507.0, 3723960.3,       2.5,       2.5,       0.0);         ( 411527.0,
3723960.3,       2.7,       2.7,       0.0);
     ( 411547.0, 3723960.3,       2.7,       2.7,       0.0);         ( 411567.0,
3723960.3,       2.7,       2.7,       0.0);
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***       05/26/20
 *** AERMET - VERSION  16216 ***   ***
                         ***       16:48:31

                                   PAGE 293
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
```

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(411587.0, 3723960.3, 2.6, 2.6, 0.0); (411607.0, 3723960.3, 2.6, 2.6, 0.0);
(412145.6, 3727370.4, 5.5, 5.5, 0.0); (412165.6, 3727370.4, 5.1, 5.1, 0.0);
(412185.6, 3727370.4, 5.7, 5.7, 0.0); (412205.6, 3727370.4, 5.7, 5.7, 0.0);
(412225.6, 3727370.4, 5.4, 5.4, 0.0); (412245.6, 3727370.4, 5.3, 5.3, 0.0);
(412265.6, 3727370.4, 5.8, 5.8, 0.0); (412285.6, 3727370.4, 6.0, 6.0, 0.0);
(412305.6, 3727370.4, 6.1, 6.1, 0.0); (412325.6, 3727370.4, 6.1, 6.1, 0.0);
(412345.6, 3727370.4, 6.1, 6.1, 0.0); (412365.6, 3727370.4, 6.2, 6.2, 0.0);
(412145.6, 3727390.4, 5.3, 5.3, 0.0); (412165.6, 3727390.4, 5.0, 5.0, 0.0);
(412185.6, 3727390.4, 5.4, 5.4, 0.0); (412205.6, 3727390.4, 5.4, 5.4, 0.0);
(412225.6, 3727390.4, 5.3, 5.3, 0.0); (412245.6, 3727390.4, 5.2, 5.2, 0.0);
(412265.6, 3727390.4, 5.5, 5.5, 0.0); (412285.6, 3727390.4, 5.7, 5.7, 0.0);
(412305.6, 3727390.4, 5.8, 5.8, 0.0); (412325.6, 3727390.4, 5.9, 5.9, 0.0);
(412345.6, 3727390.4, 5.8, 5.8, 0.0); (412365.6, 3727390.4, 6.1, 6.1, 0.0);
(412145.6, 3727410.4, 5.1, 5.1, 0.0); (412165.6, 3727410.4, 5.2, 5.2, 0.0);
(412185.6, 3727410.4, 5.2, 5.2, 0.0); (412205.6, 3727410.4, 5.2, 5.2, 0.0);
(412225.6, 3727410.4, 5.2, 5.2, 0.0); (412245.6, 3727410.4, 5.3, 5.3, 0.0);
(412265.6, 3727410.4, 5.3, 5.3, 0.0); (412285.6, 3727410.4, 5.5, 5.5, 0.0);
(412305.6, 3727410.4, 5.6, 5.6, 0.0); (412325.6, 3727410.4, 5.7, 5.7, 0.0);
(412345.6, 3727410.4, 5.7, 5.7, 0.0); (412365.6, 3727410.4, 6.0, 6.0, 0.0);
(412145.6, 3727430.4, 5.6, 5.6, 0.0); (412165.6, 3727430.4, 5.8, 5.8, 0.0);
(412185.6, 3727430.4, 5.7, 5.7, 0.0); (412205.6, 3727430.4, 5.8, 5.8, 0.0);
(412225.6, 3727430.4, 5.8, 5.8, 0.0); (412245.6, 3727430.4, 5.8, 5.8, 0.0);
(412265.6, 3727430.4, 5.9, 5.9, 0.0); (412285.6,

```
3727430.4,       6.0,       6.0,       0.0);
     ( 412305.6, 3727430.4,       6.1,       6.1,       0.0);         ( 412325.6,
3727430.4,       6.1,       6.1,       0.0);
     ( 412345.6, 3727430.4,       6.1,       6.1,       0.0);         ( 412365.6,
3727430.4,       6.1,       6.1,       0.0);
     ( 412145.6, 3727450.4,       6.0,       6.0,       0.0);         ( 412165.6,
3727450.4,       6.0,       6.0,       0.0);
     ( 412185.6, 3727450.4,       6.0,       6.0,       0.0);         ( 412205.6,
3727450.4,       6.0,       6.0,       0.0);
     ( 412225.6, 3727450.4,       6.1,       6.1,       0.0);         ( 412245.6,
3727450.4,       6.2,       6.2,       0.0);
     ( 412265.6, 3727450.4,       6.3,       6.3,       0.0);         ( 412285.6,
3727450.4,       6.3,       6.3,       0.0);
     ( 412305.6, 3727450.4,       6.3,       6.3,       0.0);         ( 412325.6,
3727450.4,       6.4,       6.4,       0.0);
     ( 412345.6, 3727450.4,       6.3,       6.3,       0.0);         ( 412365.6,
3727450.4,       6.2,       6.2,       0.0);
     ( 412145.6, 3727470.4,       6.1,       6.1,       0.0);         ( 412165.6,
3727470.4,       6.0,       6.0,       0.0);
     ( 412185.6, 3727470.4,       6.0,       6.0,       0.0);         ( 412205.6,
3727470.4,       6.1,       6.1,       0.0);
     ( 412225.6, 3727470.4,       6.1,       6.1,       0.0);         ( 412245.6,
3727470.4,       6.2,       6.2,       0.0);
     ( 412265.6, 3727470.4,       6.3,       6.3,       0.0);         ( 412285.6,
3727470.4,       6.2,       6.2,       0.0);
     ( 412305.6, 3727470.4,       6.3,       6.3,       0.0);         ( 412325.6,
3727470.4,       6.4,       6.4,       0.0);
     ( 412345.6, 3727470.4,       6.4,       6.4,       0.0);         ( 412365.6,
3727470.4,       6.3,       6.3,       0.0);
     ( 412145.6, 3727490.4,       6.1,       6.1,       0.0);         ( 412165.6,
3727490.4,       6.0,       6.0,       0.0);
     ( 412185.6, 3727490.4,       6.0,       6.0,       0.0);         ( 412205.6,
3727490.4,       6.2,       6.2,       0.0);
     ( 412225.6, 3727490.4,       6.2,       6.2,       0.0);         ( 412245.6,
3727490.4,       6.2,       6.2,       0.0);
     ( 412265.6, 3727490.4,       6.3,       6.3,       0.0);         ( 412285.6,
3727490.4,       6.3,       6.3,       0.0);
     ( 412305.6, 3727490.4,       6.3,       6.3,       0.0);         ( 412325.6,
3727490.4,       6.4,       6.4,       0.0);
     ( 412345.6, 3727490.4,       6.4,       6.4,       0.0);         ( 412365.6,
3727490.4,       6.3,       6.3,       0.0);
     ( 412145.6, 3727510.4,       6.3,       6.3,       0.0);         ( 412165.6,
3727510.4,       6.3,       6.3,       0.0);
     ( 412185.6, 3727510.4,       6.4,       6.4,       0.0);         ( 412205.6,
3727510.4,       6.4,       6.4,       0.0);
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***       05/26/20
 *** AERMET - VERSION  16216 ***   ***
                         ***       16:48:31
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```
     ( 412225.6, 3727510.4,       6.4,       6.4,       0.0);         ( 412245.6,
3727510.4,       6.5,       6.5,       0.0);
     ( 412265.6, 3727510.4,       6.5,       6.5,       0.0);         ( 412285.6,
3727510.4,       6.5,       6.5,       0.0);
     ( 412305.6, 3727510.4,       6.6,       6.6,       0.0);         ( 412325.6,
3727510.4,       6.5,       6.5,       0.0);
     ( 412345.6, 3727510.4,       6.6,       6.6,       0.0);         ( 412365.6,
3727510.4,       6.5,       6.5,       0.0);
     ( 412145.6, 3727530.4,       6.1,       6.1,       0.0);         ( 412165.6,
3727530.4,       6.1,       6.1,       0.0);
     ( 412185.6, 3727530.4,       6.2,       6.2,       0.0);         ( 412205.6,
3727530.4,       6.2,       6.2,       0.0);
     ( 412225.6, 3727530.4,       6.2,       6.2,       0.0);         ( 412245.6,
3727530.4,       6.2,       6.2,       0.0);
     ( 412265.6, 3727530.4,       6.3,       6.3,       0.0);         ( 412285.6,
3727530.4,       6.3,       6.3,       0.0);
     ( 412305.6, 3727530.4,       6.3,       6.3,       0.0);         ( 412325.6,
3727530.4,       6.3,       6.3,       0.0);
     ( 412345.6, 3727530.4,       6.6,       6.6,       0.0);         ( 412365.6,
3727530.4,       6.5,       6.5,       0.0);
     ( 412145.6, 3727550.4,       6.0,       6.0,       0.0);         ( 412165.6,
3727550.4,       6.1,       6.1,       0.0);
     ( 412185.6, 3727550.4,       6.1,       6.1,       0.0);         ( 412205.6,
3727550.4,       6.1,       6.1,       0.0);
     ( 412225.6, 3727550.4,       6.1,       6.1,       0.0);         ( 412245.6,
3727550.4,       6.2,       6.2,       0.0);
     ( 412265.6, 3727550.4,       6.2,       6.2,       0.0);         ( 412285.6,
3727550.4,       6.2,       6.2,       0.0);
     ( 412305.6, 3727550.4,       6.2,       6.2,       0.0);         ( 412325.6,
3727550.4,       6.1,       6.1,       0.0);
     ( 412345.6, 3727550.4,       6.6,       6.6,       0.0);         ( 412365.6,
3727550.4,       6.5,       6.5,       0.0);
     ( 412145.6, 3727570.4,       6.4,       6.4,       0.0);         ( 412165.6,
3727570.4,       6.5,       6.5,       0.0);
     ( 412185.6, 3727570.4,       6.5,       6.5,       0.0);         ( 412205.6,
3727570.4,       6.6,       6.6,       0.0);
     ( 412225.6, 3727570.4,       6.5,       6.5,       0.0);         ( 412245.6,
3727570.4,       6.6,       6.6,       0.0);
     ( 412265.6, 3727570.4,       6.7,       6.7,       0.0);         ( 412285.6,
3727570.4,       6.7,       6.7,       0.0);
     ( 412305.6, 3727570.4,       6.6,       6.6,       0.0);         ( 412325.6,
3727570.4,       6.2,       6.2,       0.0);
     ( 412345.6, 3727570.4,       6.6,       6.6,       0.0);         ( 412365.6,
```

```
3727570.4,       6.5,       6.5,       0.0);
     ( 412145.6, 3727590.4,       6.5,       6.5,       0.0);         ( 412165.6,
3727590.4,       6.6,       6.6,       0.0);
     ( 412185.6, 3727590.4,       6.7,       6.7,       0.0);         ( 412205.6,
3727590.4,       6.7,       6.7,       0.0);
     ( 412225.6, 3727590.4,       6.7,       6.7,       0.0);         ( 412245.6,
3727590.4,       6.7,       6.7,       0.0);
     ( 412265.6, 3727590.4,       6.8,       6.8,       0.0);         ( 412285.6,
3727590.4,       6.8,       6.8,       0.0);
     ( 412305.6, 3727590.4,       6.6,       6.6,       0.0);         ( 412325.6,
3727590.4,       6.2,       6.2,       0.0);
     ( 412345.6, 3727590.4,       6.6,       6.6,       0.0);         ( 412365.6,
3727590.4,       6.5,       6.5,       0.0);
     ( 412145.6, 3727610.4,       6.3,       6.3,       0.0);         ( 412165.6,
3727610.4,       6.3,       6.3,       0.0);
     ( 412185.6, 3727610.4,       6.4,       6.4,       0.0);         ( 412205.6,
3727610.4,       6.4,       6.4,       0.0);
     ( 412225.6, 3727610.4,       6.4,       6.4,       0.0);         ( 412245.6,
3727610.4,       6.3,       6.3,       0.0);
     ( 412265.6, 3727610.4,       6.6,       6.6,       0.0);         ( 412285.6,
3727610.4,       6.8,       6.8,       0.0);
     ( 412305.6, 3727610.4,       6.6,       6.6,       0.0);         ( 412325.6,
3727610.4,       6.2,       6.2,       0.0);
     ( 412345.6, 3727610.4,       6.6,       6.6,       0.0);         ( 412365.6,
3727610.4,       6.5,       6.5,       0.0);
     ( 412145.6, 3727630.4,       6.1,       6.1,       0.0);         ( 412165.6,
3727630.4,       6.2,       6.2,       0.0);
     ( 412185.6, 3727630.4,       6.2,       6.2,       0.0);         ( 412205.6,
3727630.4,       6.2,       6.2,       0.0);
     ( 412225.6, 3727630.4,       6.3,       6.3,       0.0);         ( 412245.6,
3727630.4,       6.3,       6.3,       0.0);
     ( 412265.6, 3727630.4,       6.6,       6.6,       0.0);         ( 412285.6,
3727630.4,       6.8,       6.8,       0.0);
     ( 412305.6, 3727630.4,       6.7,       6.7,       0.0);         ( 412325.6,
3727630.4,       6.2,       6.2,       0.0);
     ( 412345.6, 3727630.4,       6.4,       6.4,       0.0);         ( 412365.6,
3727630.4,       6.4,       6.4,       0.0);
     ( 412145.6, 3727650.4,       6.6,       6.6,       0.0);         ( 412165.6,
3727650.4,       6.7,       6.7,       0.0);
     ( 412185.6, 3727650.4,       6.7,       6.7,       0.0);         ( 412205.6,
3727650.4,       6.7,       6.7,       0.0);
     ( 412225.6, 3727650.4,       6.7,       6.7,       0.0);         ( 412245.6,
3727650.4,       6.8,       6.8,       0.0);
     ( 412265.6, 3727650.4,       6.8,       6.8,       0.0);         ( 412285.6,
3727650.4,       6.9,       6.9,       0.0);
     ( 412305.6, 3727650.4,       6.7,       6.7,       0.0);         ( 412325.6,
3727650.4,       6.3,       6.3,       0.0);
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***                05/26/20
 *** AERMET - VERSION  16216 ***   ***
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(412345.6, 3727650.4, 6.7, 6.7, 0.0); (412365.6, 3727650.4, 6.6, 6.6, 0.0);
(412145.6, 3727670.4, 6.7, 6.7, 0.0); (412165.6, 3727670.4, 6.7, 6.7, 0.0);
(412185.6, 3727670.4, 6.8, 6.8, 0.0); (412205.6, 3727670.4, 6.8, 6.8, 0.0);
(412225.6, 3727670.4, 6.8, 6.8, 0.0); (412245.6, 3727670.4, 6.8, 6.8, 0.0);
(412265.6, 3727670.4, 6.9, 6.9, 0.0); (412285.6, 3727670.4, 7.0, 7.0, 0.0);
(412305.6, 3727670.4, 6.8, 6.8, 0.0); (412325.6, 3727670.4, 6.4, 6.4, 0.0);
(412345.6, 3727670.4, 6.8, 6.8, 0.0); (412365.6, 3727670.4, 6.6, 6.6, 0.0);
(412145.6, 3727690.4, 6.3, 6.3, 0.0); (412165.6, 3727690.4, 6.4, 6.4, 0.0);
(412185.6, 3727690.4, 6.4, 6.4, 0.0); (412205.6, 3727690.4, 6.5, 6.5, 0.0);
(412225.6, 3727690.4, 6.5, 6.5, 0.0); (412245.6, 3727690.4, 6.4, 6.4, 0.0);
(412265.6, 3727690.4, 6.8, 6.8, 0.0); (412285.6, 3727690.4, 6.9, 6.9, 0.0);
(412305.6, 3727690.4, 6.7, 6.7, 0.0); (412325.6, 3727690.4, 6.4, 6.4, 0.0);
(412345.6, 3727690.4, 6.8, 6.8, 0.0); (412365.6, 3727690.4, 6.6, 6.6, 0.0);
(412145.6, 3727710.4, 6.2, 6.2, 0.0); (412165.6, 3727710.4, 6.2, 6.2, 0.0);
(412185.6, 3727710.4, 6.3, 6.3, 0.0); (412205.6, 3727710.4, 6.3, 6.3, 0.0);
(412225.6, 3727710.4, 6.4, 6.4, 0.0); (412245.6, 3727710.4, 6.3, 6.3, 0.0);
(412265.6, 3727710.4, 6.8, 6.8, 0.0); (412285.6, 3727710.4, 6.9, 6.9, 0.0);
(412305.6, 3727710.4, 6.8, 6.8, 0.0); (412325.6, 3727710.4, 6.4, 6.4, 0.0);
(412345.6, 3727710.4, 6.8, 6.8, 0.0); (412365.6, 3727710.4, 6.7, 6.7, 0.0);
(412145.6, 3727730.4, 6.6, 6.6, 0.0); (412165.6, 3727730.4, 6.8, 6.8, 0.0);
(412185.6, 3727730.4, 6.8, 6.8, 0.0); (412205.6,

```
3727730.4,       6.8,       6.8,       0.0);
     ( 412225.6, 3727730.4,       6.8,       6.8,       0.0);         ( 412245.6,
3727730.4,       6.8,       6.8,       0.0);
     ( 412265.6, 3727730.4,       6.9,       6.9,       0.0);         ( 412285.6,
3727730.4,       7.0,       7.0,       0.0);
     ( 412305.6, 3727730.4,       6.8,       6.8,       0.0);         ( 412325.6,
3727730.4,       6.4,       6.4,       0.0);
     ( 412345.6, 3727730.4,       6.9,       6.9,       0.0);         ( 412365.6,
3727730.4,       6.7,       6.7,       0.0);
     ( 412145.6, 3727750.4,       6.7,       6.7,       0.0);         ( 412165.6,
3727750.4,       6.8,       6.8,       0.0);
     ( 412185.6, 3727750.4,       6.8,       6.8,       0.0);         ( 412205.6,
3727750.4,       6.8,       6.8,       0.0);
     ( 412225.6, 3727750.4,       6.8,       6.8,       0.0);         ( 412245.6,
3727750.4,       6.9,       6.9,       0.0);
     ( 412265.6, 3727750.4,       6.9,       6.9,       0.0);         ( 412285.6,
3727750.4,       6.9,       6.9,       0.0);
     ( 412305.6, 3727750.4,       6.8,       6.8,       0.0);         ( 412325.6,
3727750.4,       6.5,       6.5,       0.0);
     ( 412345.6, 3727750.4,       6.9,       6.9,       0.0);         ( 412365.6,
3727750.4,       6.7,       6.7,       0.0);
     ( 412145.6, 3727770.4,       6.5,       6.5,       0.0);         ( 412165.6,
3727770.4,       6.5,       6.5,       0.0);
     ( 412185.6, 3727770.4,       6.6,       6.6,       0.0);         ( 412205.6,
3727770.4,       6.6,       6.6,       0.0);
     ( 412225.6, 3727770.4,       6.6,       6.6,       0.0);         ( 412245.6,
3727770.4,       6.6,       6.6,       0.0);
     ( 412265.6, 3727770.4,       6.7,       6.7,       0.0);         ( 412285.6,
3727770.4,       6.7,       6.7,       0.0);
     ( 412305.6, 3727770.4,       6.7,       6.7,       0.0);         ( 412325.6,
3727770.4,       6.4,       6.4,       0.0);
     ( 412345.6, 3727770.4,       6.8,       6.8,       0.0);         ( 412365.6,
3727770.4,       6.7,       6.7,       0.0);
     ( 412145.6, 3727790.4,       6.1,       6.1,       0.0);         ( 412165.6,
3727790.4,       6.2,       6.2,       0.0);
     ( 412185.6, 3727790.4,       6.2,       6.2,       0.0);         ( 412205.6,
3727790.4,       6.2,       6.2,       0.0);
     ( 412225.6, 3727790.4,       6.3,       6.3,       0.0);         ( 412245.6,
3727790.4,       6.3,       6.3,       0.0);
     ( 412265.6, 3727790.4,       6.3,       6.3,       0.0);         ( 412285.6,
3727790.4,       6.3,       6.3,       0.0);
     ( 412305.6, 3727790.4,       6.4,       6.4,       0.0);         ( 412325.6,
3727790.4,       6.4,       6.4,       0.0);
     ( 412345.6, 3727790.4,       6.8,       6.8,       0.0);         ( 412365.6,
3727790.4,       6.7,       6.7,       0.0);
     ( 412145.6, 3727810.4,       6.4,       6.4,       0.0);         ( 412165.6,
3727810.4,       6.5,       6.5,       0.0);
     ( 412185.6, 3727810.4,       6.5,       6.5,       0.0);         ( 412205.6,
3727810.4,       6.5,       6.5,       0.0);
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(412225.6, 3727810.4, 6.6, 6.6, 0.0); (412245.6, 3727810.4, 6.5, 6.5, 0.0);
(412265.6, 3727810.4, 6.6, 6.6, 0.0); (412285.6, 3727810.4, 6.6, 6.6, 0.0);
(412305.6, 3727810.4, 6.6, 6.6, 0.0); (412325.6, 3727810.4, 6.7, 6.7, 0.0);
(412345.6, 3727810.4, 6.8, 6.8, 0.0); (412365.6, 3727810.4, 6.6, 6.6, 0.0);
(412145.6, 3727830.4, 6.1, 6.1, 0.0); (412165.6, 3727830.4, 6.1, 6.1, 0.0);
(412185.6, 3727830.4, 6.2, 6.2, 0.0); (412205.6, 3727830.4, 6.2, 6.2, 0.0);
(412225.6, 3727830.4, 6.3, 6.3, 0.0); (412245.6, 3727830.4, 6.3, 6.3, 0.0);
(412265.6, 3727830.4, 6.2, 6.2, 0.0); (412285.6, 3727830.4, 6.3, 6.3, 0.0);
(412305.6, 3727830.4, 6.3, 6.3, 0.0); (412325.6, 3727830.4, 6.4, 6.4, 0.0);
(412345.6, 3727830.4, 6.4, 6.4, 0.0); (412365.6, 3727830.4, 6.2, 6.2, 0.0);
(412145.6, 3727850.4, 6.0, 6.0, 0.0); (412165.6, 3727850.4, 6.1, 6.1, 0.0);
(412185.6, 3727850.4, 6.1, 6.1, 0.0); (412205.6, 3727850.4, 6.1, 6.1, 0.0);
(412225.6, 3727850.4, 6.1, 6.1, 0.0); (412245.6, 3727850.4, 6.2, 6.2, 0.0);
(412265.6, 3727850.4, 6.2, 6.2, 0.0); (412285.6, 3727850.4, 6.2, 6.2, 0.0);
(412305.6, 3727850.4, 6.2, 6.2, 0.0); (412325.6, 3727850.4, 6.3, 6.3, 0.0);
(412345.6, 3727850.4, 6.3, 6.3, 0.0); (412365.6, 3727850.4, 6.2, 6.2, 0.0);
(412145.6, 3727870.4, 6.4, 6.4, 0.0); (412165.6, 3727870.4, 6.7, 6.7, 0.0);
(412185.6, 3727870.4, 6.7, 6.7, 0.0); (412205.6, 3727870.4, 6.3, 6.3, 0.0);
(412225.6, 3727870.4, 6.6, 6.6, 0.0); (412245.6, 3727870.4, 6.9, 6.9, 0.0);
(412265.6, 3727870.4, 6.9, 6.9, 0.0); (412285.6,

```
3727870.4,       7.0,       7.0,       0.0);
     ( 412305.6, 3727870.4,       7.0,       7.0,       0.0);         ( 412325.6,
3727870.4,       7.1,       7.1,       0.0);
     ( 412345.6, 3727870.4,       7.1,       7.1,       0.0);         ( 412365.6,
3727870.4,       6.5,       6.5,       0.0);
     ( 412145.6, 3727890.4,       6.6,       6.6,       0.0);         ( 412165.6,
3727890.4,       6.8,       6.8,       0.0);
     ( 412185.6, 3727890.4,       6.9,       6.9,       0.0);         ( 412205.6,
3727890.4,       6.4,       6.4,       0.0);
     ( 412225.6, 3727890.4,       6.5,       6.5,       0.0);         ( 412245.6,
3727890.4,       6.7,       6.7,       0.0);
     ( 412265.6, 3727890.4,       6.8,       6.8,       0.0);         ( 412285.6,
3727890.4,       6.8,       6.8,       0.0);
     ( 412305.6, 3727890.4,       6.8,       6.8,       0.0);         ( 412325.6,
3727890.4,       6.8,       6.8,       0.0);
     ( 412345.6, 3727890.4,       6.8,       6.8,       0.0);         ( 412365.6,
3727890.4,       6.5,       6.5,       0.0);
     ( 412145.6, 3727910.4,       6.7,       6.7,       0.0);         ( 412165.6,
3727910.4,       6.9,       6.9,       0.0);
     ( 412185.6, 3727910.4,       6.9,       6.9,       0.0);         ( 412205.6,
3727910.4,       6.5,       6.5,       0.0);
     ( 412225.6, 3727910.4,       6.5,       6.5,       0.0);         ( 412245.6,
3727910.4,       6.5,       6.5,       0.0);
     ( 412265.6, 3727910.4,       6.6,       6.6,       0.0);         ( 412285.6,
3727910.4,       6.6,       6.6,       0.0);
     ( 412305.6, 3727910.4,       6.6,       6.6,       0.0);         ( 412325.6,
3727910.4,       6.7,       6.7,       0.0);
     ( 412345.6, 3727910.4,       6.7,       6.7,       0.0);         ( 412365.6,
3727910.4,       6.6,       6.6,       0.0);
     ( 412145.6, 3727930.4,       6.8,       6.8,       0.0);         ( 412165.6,
3727930.4,       7.0,       7.0,       0.0);
     ( 412185.6, 3727930.4,       7.0,       7.0,       0.0);         ( 412205.6,
3727930.4,       6.5,       6.5,       0.0);
     ( 412225.6, 3727930.4,       6.8,       6.8,       0.0);         ( 412245.6,
3727930.4,       7.0,       7.0,       0.0);
     ( 412265.6, 3727930.4,       7.0,       7.0,       0.0);         ( 412285.6,
3727930.4,       7.1,       7.1,       0.0);
     ( 412305.6, 3727930.4,       7.1,       7.1,       0.0);         ( 412325.6,
3727930.4,       7.1,       7.1,       0.0);
     ( 412345.6, 3727930.4,       7.2,       7.2,       0.0);         ( 412365.6,
3727930.4,       6.6,       6.6,       0.0);
     ( 412145.6, 3727950.4,       6.8,       6.8,       0.0);         ( 412165.6,
3727950.4,       7.0,       7.0,       0.0);
     ( 412185.6, 3727950.4,       7.1,       7.1,       0.0);         ( 412205.6,
3727950.4,       6.6,       6.6,       0.0);
     ( 412225.6, 3727950.4,       6.8,       6.8,       0.0);         ( 412245.6,
3727950.4,       7.2,       7.2,       0.0);
     ( 412265.6, 3727950.4,       7.2,       7.2,       0.0);         ( 412285.6,
3727950.4,       7.2,       7.2,       0.0);
     ( 412305.6, 3727950.4,       7.3,       7.3,       0.0);         ( 412325.6,
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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```
     ( 412345.6, 3727950.4,       7.3,       7.3,       0.0);         ( 412365.6,
3727950.4,       6.6,       6.6,       0.0);
     ( 412145.6, 3727970.4,       6.8,       6.8,       0.0);         ( 412165.6,
3727970.4,       7.0,       7.0,       0.0);
     ( 412185.6, 3727970.4,       7.1,       7.1,       0.0);         ( 412205.6,
3727970.4,       6.6,       6.6,       0.0);
     ( 412225.6, 3727970.4,       6.9,       6.9,       0.0);         ( 412245.6,
3727970.4,       7.1,       7.1,       0.0);
     ( 412265.6, 3727970.4,       7.2,       7.2,       0.0);         ( 412285.6,
3727970.4,       7.2,       7.2,       0.0);
     ( 412305.6, 3727970.4,       7.2,       7.2,       0.0);         ( 412325.6,
3727970.4,       7.2,       7.2,       0.0);
     ( 412345.6, 3727970.4,       7.2,       7.2,       0.0);         ( 412365.6,
3727970.4,       6.6,       6.6,       0.0);
     ( 412145.6, 3727990.4,       6.7,       6.7,       0.0);         ( 412165.6,
3727990.4,       7.0,       7.0,       0.0);
     ( 412185.6, 3727990.4,       7.2,       7.2,       0.0);         ( 412205.6,
3727990.4,       6.7,       6.7,       0.0);
     ( 412225.6, 3727990.4,       6.6,       6.6,       0.0);         ( 412245.6,
3727990.4,       6.7,       6.7,       0.0);
     ( 412265.6, 3727990.4,       6.7,       6.7,       0.0);         ( 412285.6,
3727990.4,       6.8,       6.8,       0.0);
     ( 412305.6, 3727990.4,       6.8,       6.8,       0.0);         ( 412325.6,
3727990.4,       6.8,       6.8,       0.0);
     ( 412345.6, 3727990.4,       6.8,       6.8,       0.0);         ( 412365.6,
3727990.4,       6.6,       6.6,       0.0);
     ( 412145.6, 3728010.4,       6.7,       6.7,       0.0);         ( 412165.6,
3728010.4,       7.0,       7.0,       0.0);
     ( 412185.6, 3728010.4,       7.1,       7.1,       0.0);         ( 412205.6,
3728010.4,       6.6,       6.6,       0.0);
     ( 412225.6, 3728010.4,       6.9,       6.9,       0.0);         ( 412245.6,
3728010.4,       7.1,       7.1,       0.0);
     ( 412265.6, 3728010.4,       7.2,       7.2,       0.0);         ( 412285.6,
3728010.4,       7.2,       7.2,       0.0);
     ( 412305.6, 3728010.4,       7.2,       7.2,       0.0);         ( 412325.6,
3728010.4,       7.2,       7.2,       0.0);
     ( 412345.6, 3728010.4,       7.2,       7.2,       0.0);         ( 412365.6,
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3728010.4,       6.7,       6.7,       0.0);
     ( 412145.6, 3728030.4,       6.7,       6.7,       0.0);         ( 412165.6,
3728030.4,       7.0,       7.0,       0.0);
     ( 412185.6, 3728030.4,       7.2,       7.2,       0.0);         ( 412205.6,
3728030.4,       6.6,       6.6,       0.0);
     ( 412225.6, 3728030.4,       6.9,       6.9,       0.0);         ( 412245.6,
3728030.4,       7.2,       7.2,       0.0);
     ( 412265.6, 3728030.4,       7.3,       7.3,       0.0);         ( 412285.6,
3728030.4,       7.3,       7.3,       0.0);
     ( 412305.6, 3728030.4,       7.3,       7.3,       0.0);         ( 412325.6,
3728030.4,       7.3,       7.3,       0.0);
     ( 412345.6, 3728030.4,       7.4,       7.4,       0.0);         ( 412365.6,
3728030.4,       6.7,       6.7,       0.0);
     ( 412145.6, 3728050.4,       6.6,       6.6,       0.0);         ( 412165.6,
3728050.4,       6.8,       6.8,       0.0);
     ( 412185.6, 3728050.4,       7.1,       7.1,       0.0);         ( 412205.6,
3728050.4,       6.6,       6.6,       0.0);
     ( 412225.6, 3728050.4,       6.9,       6.9,       0.0);         ( 412245.6,
3728050.4,       7.0,       7.0,       0.0);
     ( 412265.6, 3728050.4,       7.1,       7.1,       0.0);         ( 412285.6,
3728050.4,       7.1,       7.1,       0.0);
     ( 412305.6, 3728050.4,       7.1,       7.1,       0.0);         ( 412325.6,
3728050.4,       7.2,       7.2,       0.0);
     ( 412345.6, 3728050.4,       7.2,       7.2,       0.0);         ( 412365.6,
3728050.4,       6.6,       6.6,       0.0);
     ( 412145.6, 3728070.4,       6.6,       6.6,       0.0);         ( 412165.6,
3728070.4,       6.8,       6.8,       0.0);
     ( 412185.6, 3728070.4,       7.1,       7.1,       0.0);         ( 412205.6,
3728070.4,       6.5,       6.5,       0.0);
     ( 412225.6, 3728070.4,       6.5,       6.5,       0.0);         ( 412245.6,
3728070.4,       6.6,       6.6,       0.0);
     ( 412265.6, 3728070.4,       6.6,       6.6,       0.0);         ( 412285.6,
3728070.4,       6.7,       6.7,       0.0);
     ( 412305.6, 3728070.4,       6.7,       6.7,       0.0);         ( 412325.6,
3728070.4,       6.7,       6.7,       0.0);
     ( 412345.6, 3728070.4,       6.7,       6.7,       0.0);         ( 412365.6,
3728070.4,       6.6,       6.6,       0.0);
     ( 412145.6, 3728090.4,       6.8,       6.8,       0.0);         ( 412165.6,
3728090.4,       6.9,       6.9,       0.0);
     ( 412185.6, 3728090.4,       6.9,       6.9,       0.0);         ( 412205.6,
3728090.4,       6.5,       6.5,       0.0);
     ( 412225.6, 3728090.4,       6.6,       6.6,       0.0);         ( 412245.6,
3728090.4,       6.8,       6.8,       0.0);
     ( 412265.6, 3728090.4,       6.8,       6.8,       0.0);         ( 412285.6,
3728090.4,       6.9,       6.9,       0.0);
     ( 412305.6, 3728090.4,       6.9,       6.9,       0.0);         ( 412325.6,
3728090.4,       6.9,       6.9,       0.0);
     ( 412345.6, 3728090.4,       6.9,       6.9,       0.0);         ( 412365.6,
3728090.4,       6.6,       6.6,       0.0);
     ( 412145.6, 3728110.4,       6.9,       6.9,       0.0);         ( 412165.6,
```

3728110.4, 7.0, 7.0, 0.0);
     (412185.6, 3728110.4, 6.9, 6.9, 0.0); (412205.6,
3728110.4, 6.4, 6.4, 0.0);

                                  *** DISCRETE CARTESIAN RECEPTORS ***
                                (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                          (METERS)

     (412225.6, 3728110.4, 6.8, 6.8, 0.0); (412245.6,
3728110.4, 7.1, 7.1, 0.0);
     (412265.6, 3728110.4, 7.2, 7.2, 0.0); (412285.6,
3728110.4, 7.2, 7.2, 0.0);
     (412305.6, 3728110.4, 7.1, 7.1, 0.0); (412325.6,
3728110.4, 7.2, 7.2, 0.0);
     (412345.6, 3728110.4, 7.3, 7.3, 0.0); (412365.6,
3728110.4, 6.7, 6.7, 0.0);
     (412145.6, 3728130.4, 6.8, 6.8, 0.0); (412165.6,
3728130.4, 6.8, 6.8, 0.0);
     (412185.6, 3728130.4, 6.9, 6.9, 0.0); (412205.6,
3728130.4, 6.4, 6.4, 0.0);
     (412225.6, 3728130.4, 6.7, 6.7, 0.0); (412245.6,
3728130.4, 7.0, 7.0, 0.0);
     (412265.6, 3728130.4, 6.9, 6.9, 0.0); (412285.6,
3728130.4, 6.9, 6.9, 0.0);
     (412305.6, 3728130.4, 7.0, 7.0, 0.0); (412325.6,
3728130.4, 7.0, 7.0, 0.0);
     (412345.6, 3728130.4, 6.9, 6.9, 0.0); (412365.6,
3728130.4, 6.6, 6.6, 0.0);
     (412145.6, 3728150.4, 6.4, 6.4, 0.0); (412165.6,
3728150.4, 6.4, 6.4, 0.0);
     (412185.6, 3728150.4, 6.6, 6.6, 0.0); (412205.6,
3728150.4, 6.3, 6.3, 0.0);
     (412225.6, 3728150.4, 6.5, 6.5, 0.0); (412245.6,
3728150.4, 6.6, 6.6, 0.0);
     (412265.6, 3728150.4, 6.6, 6.6, 0.0); (412285.6,
3728150.4, 6.7, 6.7, 0.0);
     (412305.6, 3728150.4, 6.7, 6.7, 0.0); (412325.6,
3728150.4, 6.6, 6.6, 0.0);
     (412345.6, 3728150.4, 6.6, 6.6, 0.0); (412365.6,
3728150.4, 6.5, 6.5, 0.0);
     (412145.6, 3728170.4, 6.3, 6.3, 0.0); (412165.6,
3728170.4, 6.1, 6.1, 0.0);
     (412185.6, 3728170.4, 6.2, 6.2, 0.0); (412205.6,

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3728170.4,       6.3,       6.3,       0.0);
     ( 412225.6, 3728170.4,       6.3,       6.3,       0.0);         ( 412245.6,
3728170.4,       6.4,       6.4,       0.0);
     ( 412265.6, 3728170.4,       6.4,       6.4,       0.0);         ( 412285.6,
3728170.4,       6.5,       6.5,       0.0);
     ( 412305.6, 3728170.4,       6.5,       6.5,       0.0);         ( 412325.6,
3728170.4,       6.5,       6.5,       0.0);
     ( 412345.6, 3728170.4,       6.5,       6.5,       0.0);         ( 412365.6,
3728170.4,       6.5,       6.5,       0.0);
     ( 412145.6, 3728190.4,       6.7,       6.7,       0.0);         ( 412165.6,
3728190.4,       6.2,       6.2,       0.0);
     ( 412185.6, 3728190.4,       6.4,       6.4,       0.0);         ( 412205.6,
3728190.4,       6.6,       6.6,       0.0);
     ( 412225.6, 3728190.4,       6.8,       6.8,       0.0);         ( 412245.6,
3728190.4,       6.9,       6.9,       0.0);
     ( 412265.6, 3728190.4,       6.9,       6.9,       0.0);         ( 412285.6,
3728190.4,       7.0,       7.0,       0.0);
     ( 412305.6, 3728190.4,       7.0,       7.0,       0.0);         ( 412325.6,
3728190.4,       7.0,       7.0,       0.0);
     ( 412345.6, 3728190.4,       7.0,       7.0,       0.0);         ( 412365.6,
3728190.4,       6.5,       6.5,       0.0);
     ( 412145.6, 3728210.4,       6.5,       6.5,       0.0);         ( 412165.6,
3728210.4,       6.1,       6.1,       0.0);
     ( 412185.6, 3728210.4,       6.3,       6.3,       0.0);         ( 412205.6,
3728210.4,       6.6,       6.6,       0.0);
     ( 412225.6, 3728210.4,       6.7,       6.7,       0.0);         ( 412245.6,
3728210.4,       6.8,       6.8,       0.0);
     ( 412265.6, 3728210.4,       6.8,       6.8,       0.0);         ( 412285.6,
3728210.4,       6.9,       6.9,       0.0);
     ( 412305.6, 3728210.4,       6.9,       6.9,       0.0);         ( 412325.6,
3728210.4,       6.9,       6.9,       0.0);
     ( 412345.6, 3728210.4,       6.9,       6.9,       0.0);         ( 412365.6,
3728210.4,       6.5,       6.5,       0.0);
     ( 412145.6, 3728230.4,       6.2,       6.2,       0.0);         ( 412165.6,
3728230.4,       6.0,       6.0,       0.0);
     ( 412185.6, 3728230.4,       6.3,       6.3,       0.0);         ( 412205.6,
3728230.4,       6.5,       6.5,       0.0);
     ( 412225.6, 3728230.4,       6.5,       6.5,       0.0);         ( 412245.6,
3728230.4,       6.5,       6.5,       0.0);
     ( 412265.6, 3728230.4,       6.6,       6.6,       0.0);         ( 412285.6,
3728230.4,       6.6,       6.6,       0.0);
     ( 412305.6, 3728230.4,       6.6,       6.6,       0.0);         ( 412325.6,
3728230.4,       6.7,       6.7,       0.0);
     ( 412345.6, 3728230.4,       6.7,       6.7,       0.0);         ( 412365.6,
3728230.4,       6.4,       6.4,       0.0);
     ( 412145.6, 3728250.4,       5.8,       5.8,       0.0);         ( 412165.6,
3728250.4,       5.9,       5.9,       0.0);
     ( 412185.6, 3728250.4,       6.0,       6.0,       0.0);         ( 412205.6,
3728250.4,       6.0,       6.0,       0.0);
     ( 412225.6, 3728250.4,       6.1,       6.1,       0.0);         ( 412245.6,
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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(412345.6, 3728250.4, 6.3, 6.3, 0.0); (412365.6,
3728250.4, 6.4, 6.4, 0.0);
(412145.6, 3728270.4, 6.0, 6.0, 0.0); (412165.6,
3728270.4, 6.2, 6.2, 0.0);
(412185.6, 3728270.4, 6.6, 6.6, 0.0); (412205.6,
3728270.4, 6.1, 6.1, 0.0);
(412225.6, 3728270.4, 6.4, 6.4, 0.0); (412245.6,
3728270.4, 6.8, 6.8, 0.0);
(412265.6, 3728270.4, 6.8, 6.8, 0.0); (412285.6,
3728270.4, 6.9, 6.9, 0.0);
(412305.6, 3728270.4, 6.9, 6.9, 0.0); (412325.6,
3728270.4, 6.9, 6.9, 0.0);
(412345.6, 3728270.4, 6.9, 6.9, 0.0); (412365.6,
3728270.4, 6.5, 6.5, 0.0);
(412145.6, 3728290.4, 6.1, 6.1, 0.0); (412165.6,
3728290.4, 6.3, 6.3, 0.0);
(412185.6, 3728290.4, 6.7, 6.7, 0.0); (412205.6,
3728290.4, 6.1, 6.1, 0.0);
(412225.6, 3728290.4, 6.6, 6.6, 0.0); (412245.6,
3728290.4, 6.9, 6.9, 0.0);
(412265.6, 3728290.4, 6.9, 6.9, 0.0); (412285.6,
3728290.4, 7.0, 7.0, 0.0);
(412305.6, 3728290.4, 7.1, 7.1, 0.0); (412325.6,
3728290.4, 7.1, 7.1, 0.0);
(412345.6, 3728290.4, 7.1, 7.1, 0.0); (412365.6,
3728290.4, 6.5, 6.5, 0.0);
(412145.6, 3728310.4, 6.2, 6.2, 0.0); (412165.6,
3728310.4, 6.4, 6.4, 0.0);
(412185.6, 3728310.4, 6.7, 6.7, 0.0); (412205.6,
3728310.4, 6.1, 6.1, 0.0);
(412225.6, 3728310.4, 6.6, 6.6, 0.0); (412245.6,
3728310.4, 6.8, 6.8, 0.0);
(412265.6, 3728310.4, 6.8, 6.8, 0.0); (412285.6,

```
3728310.4,       6.9,       6.9,       0.0);
     ( 412305.6, 3728310.4,       6.9,       6.9,       0.0);         ( 412325.6,
3728310.4,       7.0,       7.0,       0.0);
     ( 412345.6, 3728310.4,       6.9,       6.9,       0.0);         ( 412365.6,
3728310.4,       6.6,       6.6,       0.0);
     ( 412145.6, 3728330.4,       6.3,       6.3,       0.0);         ( 412165.6,
3728330.4,       6.5,       6.5,       0.0);
     ( 412185.6, 3728330.4,       6.6,       6.6,       0.0);         ( 412205.6,
3728330.4,       6.2,       6.2,       0.0);
     ( 412225.6, 3728330.4,       6.2,       6.2,       0.0);         ( 412245.6,
3728330.4,       6.3,       6.3,       0.0);
     ( 412265.6, 3728330.4,       6.4,       6.4,       0.0);         ( 412285.6,
3728330.4,       6.4,       6.4,       0.0);
     ( 412305.6, 3728330.4,       6.5,       6.5,       0.0);         ( 412325.6,
3728330.4,       6.5,       6.5,       0.0);
     ( 412345.6, 3728330.4,       6.5,       6.5,       0.0);         ( 412365.6,
3728330.4,       6.6,       6.6,       0.0);
     ( 412145.6, 3728350.4,       6.4,       6.4,       0.0);         ( 412165.6,
3728350.4,       6.5,       6.5,       0.0);
     ( 412185.6, 3728350.4,       6.7,       6.7,       0.0);         ( 412205.6,
3728350.4,       6.2,       6.2,       0.0);
     ( 412225.6, 3728350.4,       6.5,       6.5,       0.0);         ( 412245.6,
3728350.4,       6.7,       6.7,       0.0);
     ( 412265.6, 3728350.4,       6.7,       6.7,       0.0);         ( 412285.6,
3728350.4,       6.8,       6.8,       0.0);
     ( 412305.6, 3728350.4,       6.8,       6.8,       0.0);         ( 412325.6,
3728350.4,       6.8,       6.8,       0.0);
     ( 412345.6, 3728350.4,       6.8,       6.8,       0.0);         ( 412365.6,
3728350.4,       6.6,       6.6,       0.0);
     ( 412145.6, 3728370.4,       6.4,       6.4,       0.0);         ( 412165.6,
3728370.4,       6.6,       6.6,       0.0);
     ( 412185.6, 3728370.4,       6.9,       6.9,       0.0);         ( 412205.6,
3728370.4,       6.3,       6.3,       0.0);
     ( 412225.6, 3728370.4,       6.7,       6.7,       0.0);         ( 412245.6,
3728370.4,       6.9,       6.9,       0.0);
     ( 412265.6, 3728370.4,       7.0,       7.0,       0.0);         ( 412285.6,
3728370.4,       7.1,       7.1,       0.0);
     ( 412305.6, 3728370.4,       7.1,       7.1,       0.0);         ( 412325.6,
3728370.4,       7.1,       7.1,       0.0);
     ( 412345.6, 3728370.4,       7.1,       7.1,       0.0);         ( 412365.6,
3728370.4,       6.7,       6.7,       0.0);
     ( 412145.6, 3728390.4,       6.6,       6.6,       0.0);         ( 412165.6,
3728390.4,       6.7,       6.7,       0.0);
     ( 412185.6, 3728390.4,       6.9,       6.9,       0.0);         ( 412205.6,
3728390.4,       6.3,       6.3,       0.0);
     ( 412225.6, 3728390.4,       6.9,       6.9,       0.0);         ( 412245.6,
3728390.4,       7.2,       7.2,       0.0);
     ( 412265.6, 3728390.4,       7.1,       7.1,       0.0);         ( 412285.6,
3728390.4,       7.2,       7.2,       0.0);
     ( 412305.6, 3728390.4,       7.2,       7.2,       0.0);         ( 412325.6,
```

3728390.4, 7.2, 7.2, 0.0);
     (412345.6, 3728390.4, 7.3, 7.3, 0.0); (412365.6,
3728390.4, 6.8, 6.8, 0.0);
     (412145.6, 3728410.4, 6.7, 6.7, 0.0); (412165.6,
3728410.4, 6.8, 6.8, 0.0);
     (412185.6, 3728410.4, 6.9, 6.9, 0.0); (412205.6,
3728410.4, 6.4, 6.4, 0.0);

                                  *** DISCRETE CARTESIAN RECEPTORS ***
                                (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                          (METERS)

     (412225.6, 3728410.4, 6.6, 6.6, 0.0); (412245.6,
3728410.4, 6.7, 6.7, 0.0);
     (412265.6, 3728410.4, 6.8, 6.8, 0.0); (412285.6,
3728410.4, 6.8, 6.8, 0.0);
     (412305.6, 3728410.4, 6.8, 6.8, 0.0); (412325.6,
3728410.4, 6.9, 6.9, 0.0);
     (412345.6, 3728410.4, 6.8, 6.8, 0.0); (412365.6,
3728410.4, 6.8, 6.8, 0.0);
     (412145.6, 3728430.4, 6.8, 6.8, 0.0); (412165.6,
3728430.4, 6.9, 6.9, 0.0);
     (412185.6, 3728430.4, 7.0, 7.0, 0.0); (412205.6,
3728430.4, 6.5, 6.5, 0.0);
     (412225.6, 3728430.4, 6.6, 6.6, 0.0); (412245.6,
3728430.4, 6.7, 6.7, 0.0);
     (412265.6, 3728430.4, 6.7, 6.7, 0.0); (412285.6,
3728430.4, 6.7, 6.7, 0.0);
     (412305.6, 3728430.4, 6.8, 6.8, 0.0); (412325.6,
3728430.4, 6.8, 6.8, 0.0);
     (412345.6, 3728430.4, 6.8, 6.8, 0.0); (412365.6,
3728430.4, 6.8, 6.8, 0.0);
     (412145.6, 3728450.4, 6.8, 6.8, 0.0); (412165.6,
3728450.4, 6.9, 6.9, 0.0);
     (412185.6, 3728450.4, 7.0, 7.0, 0.0); (412205.6,
3728450.4, 6.5, 6.5, 0.0);
     (412225.6, 3728450.4, 7.0, 7.0, 0.0); (412245.6,
3728450.4, 7.1, 7.1, 0.0);
     (412265.6, 3728450.4, 7.2, 7.2, 0.0); (412285.6,
3728450.4, 7.2, 7.2, 0.0);
     (412305.6, 3728450.4, 7.3, 7.3, 0.0); (412325.6,
3728450.4, 7.2, 7.2, 0.0);
     (412345.6, 3728450.4, 7.2, 7.2, 0.0); (412365.6,

```
3728450.4,       6.9,       6.9,       0.0);
     ( 412145.6, 3728470.4,       6.9,       6.9,       0.0);         ( 412165.6,
3728470.4,       7.0,       7.0,       0.0);
     ( 412185.6, 3728470.4,       7.1,       7.1,       0.0);         ( 412205.6,
3728470.4,       6.5,       6.5,       0.0);
     ( 412225.6, 3728470.4,       7.0,       7.0,       0.0);         ( 412245.6,
3728470.4,       7.2,       7.2,       0.0);
     ( 412265.6, 3728470.4,       7.3,       7.3,       0.0);         ( 412285.6,
3728470.4,       7.3,       7.3,       0.0);
     ( 412305.6, 3728470.4,       7.3,       7.3,       0.0);         ( 412325.6,
3728470.4,       7.3,       7.3,       0.0);
     ( 412345.6, 3728470.4,       7.4,       7.4,       0.0);         ( 412365.6,
3728470.4,       7.0,       7.0,       0.0);
     ( 412145.6, 3728490.4,       7.1,       7.1,       0.0);         ( 412165.6,
3728490.4,       7.1,       7.1,       0.0);
     ( 412185.6, 3728490.4,       7.2,       7.2,       0.0);         ( 412205.6,
3728490.4,       6.6,       6.6,       0.0);
     ( 412225.6, 3728490.4,       7.0,       7.0,       0.0);         ( 412245.6,
3728490.4,       7.1,       7.1,       0.0);
     ( 412265.6, 3728490.4,       7.2,       7.2,       0.0);         ( 412285.6,
3728490.4,       7.2,       7.2,       0.0);
     ( 412305.6, 3728490.4,       7.2,       7.2,       0.0);         ( 412325.6,
3728490.4,       7.2,       7.2,       0.0);
     ( 412345.6, 3728490.4,       7.2,       7.2,       0.0);         ( 412365.6,
3728490.4,       7.0,       7.0,       0.0);
     ( 412145.6, 3728510.4,       7.3,       7.3,       0.0);         ( 412165.6,
3728510.4,       7.2,       7.2,       0.0);
     ( 412185.6, 3728510.4,       7.2,       7.2,       0.0);         ( 412205.6,
3728510.4,       6.6,       6.6,       0.0);
     ( 412225.6, 3728510.4,       6.6,       6.6,       0.0);         ( 412245.6,
3728510.4,       6.7,       6.7,       0.0);
     ( 412265.6, 3728510.4,       6.7,       6.7,       0.0);         ( 412285.6,
3728510.4,       6.8,       6.8,       0.0);
     ( 412305.6, 3728510.4,       6.8,       6.8,       0.0);         ( 412325.6,
3728510.4,       6.9,       6.9,       0.0);
     ( 412345.6, 3728510.4,       6.9,       6.9,       0.0);         ( 412365.6,
3728510.4,       7.0,       7.0,       0.0);
     ( 412145.6, 3728530.4,       7.4,       7.4,       0.0);         ( 412165.6,
3728530.4,       7.3,       7.3,       0.0);
     ( 412185.6, 3728530.4,       7.2,       7.2,       0.0);         ( 412205.6,
3728530.4,       6.7,       6.7,       0.0);
     ( 412225.6, 3728530.4,       7.1,       7.1,       0.0);         ( 412245.6,
3728530.4,       7.3,       7.3,       0.0);
     ( 412265.6, 3728530.4,       7.3,       7.3,       0.0);         ( 412285.6,
3728530.4,       7.2,       7.2,       0.0);
     ( 412305.6, 3728530.4,       7.3,       7.3,       0.0);         ( 412325.6,
3728530.4,       7.3,       7.3,       0.0);
     ( 412345.6, 3728530.4,       7.3,       7.3,       0.0);         ( 412365.6,
3728530.4,       7.0,       7.0,       0.0);
     ( 412145.6, 3728550.4,       7.2,       7.2,       0.0);         ( 412165.6,
```

3728550.4, 7.2, 7.2, 0.0);
     (412185.6, 3728550.4, 7.3, 7.3, 0.0); (412205.6,
3728550.4, 6.7, 6.7, 0.0);
     (412225.6, 3728550.4, 7.2, 7.2, 0.0); (412245.6,
3728550.4, 7.4, 7.4, 0.0);
     (412265.6, 3728550.4, 7.4, 7.4, 0.0); (412285.6,
3728550.4, 7.4, 7.4, 0.0);
     (412305.6, 3728550.4, 7.5, 7.5, 0.0); (412325.6,
3728550.4, 7.5, 7.5, 0.0);

                                        *** DISCRETE CARTESIAN RECEPTORS ***
                                   (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                              (METERS)

     (412345.6, 3728550.4, 7.6, 7.6, 0.0); (412365.6,
3728550.4, 7.1, 7.1, 0.0);
     (412145.6, 3728570.4, 7.1, 7.1, 0.0); (412165.6,
3728570.4, 7.2, 7.2, 0.0);
     (412185.6, 3728570.4, 7.4, 7.4, 0.0); (412205.6,
3728570.4, 6.8, 6.8, 0.0);
     (412225.6, 3728570.4, 7.2, 7.2, 0.0); (412245.6,
3728570.4, 7.5, 7.5, 0.0);
     (412265.6, 3728570.4, 7.5, 7.5, 0.0); (412285.6,
3728570.4, 7.5, 7.5, 0.0);
     (412305.6, 3728570.4, 7.5, 7.5, 0.0); (412325.6,
3728570.4, 7.5, 7.5, 0.0);
     (412345.6, 3728570.4, 7.5, 7.5, 0.0); (412365.6,
3728570.4, 7.1, 7.1, 0.0);
     (412145.6, 3728590.4, 7.0, 7.0, 0.0); (412165.6,
3728590.4, 7.1, 7.1, 0.0);
     (412185.6, 3728590.4, 7.4, 7.4, 0.0); (412205.6,
3728590.4, 6.8, 6.8, 0.0);
     (412225.6, 3728590.4, 6.9, 6.9, 0.0); (412245.6,
3728590.4, 6.9, 6.9, 0.0);
     (412265.6, 3728590.4, 7.0, 7.0, 0.0); (412285.6,
3728590.4, 7.0, 7.0, 0.0);
     (412305.6, 3728590.4, 7.0, 7.0, 0.0); (412325.6,
3728590.4, 7.1, 7.1, 0.0);
     (412345.6, 3728590.4, 7.1, 7.1, 0.0); (412365.6,
3728590.4, 7.1, 7.1, 0.0);
     (412145.6, 3728610.4, 7.0, 7.0, 0.0); (412165.6,
3728610.4, 7.1, 7.1, 0.0);
     (412185.6, 3728610.4, 7.4, 7.4, 0.0); (412205.6,

```
3728610.4,       6.9,       6.9,       0.0);
     ( 412225.6, 3728610.4,       7.2,       7.2,       0.0);         ( 412245.6,
3728610.4,       7.3,       7.3,       0.0);
     ( 412265.6, 3728610.4,       7.3,       7.3,       0.0);         ( 412285.6,
3728610.4,       7.4,       7.4,       0.0);
     ( 412305.6, 3728610.4,       7.5,       7.5,       0.0);         ( 412325.6,
3728610.4,       7.4,       7.4,       0.0);
     ( 412345.6, 3728610.4,       7.4,       7.4,       0.0);         ( 412365.6,
3728610.4,       7.2,       7.2,       0.0);
     ( 412145.6, 3728630.4,       6.8,       6.8,       0.0);         ( 412165.6,
3728630.4,       7.0,       7.0,       0.0);
     ( 412185.6, 3728630.4,       7.2,       7.2,       0.0);         ( 412205.6,
3728630.4,       6.9,       6.9,       0.0);
     ( 412225.6, 3728630.4,       7.3,       7.3,       0.0);         ( 412245.6,
3728630.4,       7.4,       7.4,       0.0);
     ( 412265.6, 3728630.4,       7.4,       7.4,       0.0);         ( 412285.6,
3728630.4,       7.5,       7.5,       0.0);
     ( 412305.6, 3728630.4,       7.6,       7.6,       0.0);         ( 412325.6,
3728630.4,       7.6,       7.6,       0.0);
     ( 412345.6, 3728630.4,       7.6,       7.6,       0.0);         ( 412365.6,
3728630.4,       7.2,       7.2,       0.0);
     ( 412145.6, 3728650.4,       6.7,       6.7,       0.0);         ( 412165.6,
3728650.4,       6.8,       6.8,       0.0);
     ( 412185.6, 3728650.4,       6.9,       6.9,       0.0);         ( 412205.6,
3728650.4,       6.9,       6.9,       0.0);
     ( 412225.6, 3728650.4,       7.0,       7.0,       0.0);         ( 412245.6,
3728650.4,       7.0,       7.0,       0.0);
     ( 412265.6, 3728650.4,       7.0,       7.0,       0.0);         ( 412285.6,
3728650.4,       7.1,       7.1,       0.0);
     ( 412305.6, 3728650.4,       7.1,       7.1,       0.0);         ( 412325.6,
3728650.4,       7.2,       7.2,       0.0);
     ( 412345.6, 3728650.4,       7.2,       7.2,       0.0);         ( 412365.6,
3728650.4,       7.3,       7.3,       0.0);
     ( 412145.6, 3728670.4,       7.0,       7.0,       0.0);         ( 412165.6,
3728670.4,       7.1,       7.1,       0.0);
     ( 412185.6, 3728670.4,       7.1,       7.1,       0.0);         ( 412205.6,
3728670.4,       7.2,       7.2,       0.0);
     ( 412225.6, 3728670.4,       7.2,       7.2,       0.0);         ( 412245.6,
3728670.4,       7.3,       7.3,       0.0);
     ( 412265.6, 3728670.4,       7.3,       7.3,       0.0);         ( 412285.6,
3728670.4,       7.3,       7.3,       0.0);
     ( 412305.6, 3728670.4,       7.4,       7.4,       0.0);         ( 412325.6,
3728670.4,       7.4,       7.4,       0.0);
     ( 412345.6, 3728670.4,       7.5,       7.5,       0.0);         ( 412365.6,
3728670.4,       7.3,       7.3,       0.0);
     ( 412145.6, 3728690.4,       6.8,       6.8,       0.0);         ( 412165.6,
3728690.4,       6.9,       6.9,       0.0);
     ( 412185.6, 3728690.4,       6.9,       6.9,       0.0);         ( 412205.6,
3728690.4,       7.0,       7.0,       0.0);
     ( 412225.6, 3728690.4,       7.0,       7.0,       0.0);         ( 412245.6,
```

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(412225.6, 3728710.4, 7.0, 7.0, 0.0); (412245.6,
3728710.4, 7.0, 7.0, 0.0);
(412265.6, 3728710.4, 7.1, 7.1, 0.0); (412285.6,
3728710.4, 7.1, 7.1, 0.0);
(412305.6, 3728710.4, 7.2, 7.2, 0.0); (412325.6,
3728710.4, 7.1, 7.1, 0.0);
(412345.6, 3728710.4, 7.1, 7.1, 0.0); (412365.6,
3728710.4, 7.4, 7.4, 0.0);
(412145.6, 3728730.4, 7.1, 7.1, 0.0); (412165.6,
3728730.4, 6.6, 6.6, 0.0);
(412185.6, 3728730.4, 7.2, 7.2, 0.0); (412205.6,
3728730.4, 7.3, 7.3, 0.0);
(412225.6, 3728730.4, 7.4, 7.4, 0.0); (412245.6,
3728730.4, 7.4, 7.4, 0.0);
(412265.6, 3728730.4, 7.4, 7.4, 0.0); (412285.6,
3728730.4, 7.5, 7.5, 0.0);
(412305.6, 3728730.4, 7.5, 7.5, 0.0); (412325.6,
3728730.4, 7.6, 7.6, 0.0);
(412345.6, 3728730.4, 7.5, 7.5, 0.0); (412365.6,
3728730.4, 7.4, 7.4, 0.0);
(412145.6, 3728750.4, 7.3, 7.3, 0.0); (412165.6,
3728750.4, 6.7, 6.7, 0.0);
(412185.6, 3728750.4, 7.3, 7.3, 0.0); (412205.6,
3728750.4, 7.5, 7.5, 0.0);
(412225.6, 3728750.4, 7.5, 7.5, 0.0); (412245.6,
3728750.4, 7.5, 7.5, 0.0);
(412265.6, 3728750.4, 7.6, 7.6, 0.0); (412285.6,

```
3728750.4,       7.6,       7.6,       0.0);
     ( 412305.6, 3728750.4,       7.6,       7.6,       0.0);         ( 412325.6,
3728750.4,       7.6,       7.6,       0.0);
     ( 412345.6, 3728750.4,       7.7,       7.7,       0.0);         ( 412365.6,
3728750.4,       7.5,       7.5,       0.0);
     ( 412145.6, 3728770.4,       7.1,       7.1,       0.0);         ( 412165.6,
3728770.4,       6.7,       6.7,       0.0);
     ( 412185.6, 3728770.4,       7.0,       7.0,       0.0);         ( 412205.6,
3728770.4,       7.0,       7.0,       0.0);
     ( 412225.6, 3728770.4,       7.1,       7.1,       0.0);         ( 412245.6,
3728770.4,       7.1,       7.1,       0.0);
     ( 412265.6, 3728770.4,       7.2,       7.2,       0.0);         ( 412285.6,
3728770.4,       7.2,       7.2,       0.0);
     ( 412305.6, 3728770.4,       7.2,       7.2,       0.0);         ( 412325.6,
3728770.4,       7.2,       7.2,       0.0);
     ( 412345.6, 3728770.4,       7.3,       7.3,       0.0);         ( 412365.6,
3728770.4,       7.5,       7.5,       0.0);
     ( 412145.6, 3728790.4,       7.0,       7.0,       0.0);         ( 412165.6,
3728790.4,       6.8,       6.8,       0.0);
     ( 412185.6, 3728790.4,       7.3,       7.3,       0.0);         ( 412205.6,
3728790.4,       7.3,       7.3,       0.0);
     ( 412225.6, 3728790.4,       7.4,       7.4,       0.0);         ( 412245.6,
3728790.4,       7.5,       7.5,       0.0);
     ( 412265.6, 3728790.4,       7.4,       7.4,       0.0);         ( 412285.6,
3728790.4,       7.4,       7.4,       0.0);
     ( 412305.6, 3728790.4,       7.5,       7.5,       0.0);         ( 412325.6,
3728790.4,       7.4,       7.4,       0.0);
     ( 412345.6, 3728790.4,       7.4,       7.4,       0.0);         ( 412365.6,
3728790.4,       7.5,       7.5,       0.0);
     ( 412145.6, 3728810.4,       7.3,       7.3,       0.0);         ( 412165.6,
3728810.4,       6.9,       6.9,       0.0);
     ( 412185.6, 3728810.4,       7.5,       7.5,       0.0);         ( 412205.6,
3728810.4,       7.6,       7.6,       0.0);
     ( 412225.6, 3728810.4,       7.6,       7.6,       0.0);         ( 412245.6,
3728810.4,       7.7,       7.7,       0.0);
     ( 412265.6, 3728810.4,       7.7,       7.7,       0.0);         ( 412285.6,
3728810.4,       7.7,       7.7,       0.0);
     ( 412305.6, 3728810.4,       7.7,       7.7,       0.0);         ( 412325.6,
3728810.4,       7.8,       7.8,       0.0);
     ( 412345.6, 3728810.4,       7.8,       7.8,       0.0);         ( 412365.6,
3728810.4,       7.6,       7.6,       0.0);
     ( 412145.6, 3728830.4,       7.3,       7.3,       0.0);         ( 412165.6,
3728830.4,       6.9,       6.9,       0.0);
     ( 412185.6, 3728830.4,       7.6,       7.6,       0.0);         ( 412205.6,
3728830.4,       7.6,       7.6,       0.0);
     ( 412225.6, 3728830.4,       7.7,       7.7,       0.0);         ( 412245.6,
3728830.4,       7.7,       7.7,       0.0);
     ( 412265.6, 3728830.4,       7.7,       7.7,       0.0);         ( 412285.6,
3728830.4,       7.8,       7.8,       0.0);
     ( 412305.6, 3728830.4,       7.8,       7.8,       0.0);         ( 412325.6,
```

```
3728830.4,       7.8,       7.8,       0.0);
     ( 412345.6, 3728830.4,       7.8,       7.8,       0.0);         ( 412365.6,
3728830.4,       7.6,       7.6,       0.0);
     ( 412145.6, 3728850.4,       7.3,       7.3,       0.0);         ( 412165.6,
3728850.4,       6.9,       6.9,       0.0);
     ( 412185.6, 3728850.4,       7.0,       7.0,       0.0);         ( 412205.6,
3728850.4,       7.1,       7.1,       0.0);
     ( 412225.6, 3728850.4,       7.1,       7.1,       0.0);         ( 412245.6,
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     ( 412265.6, 3728850.4,       7.2,       7.2,       0.0);         ( 412285.6,
3728850.4,       7.3,       7.3,       0.0);
     ( 412305.6, 3728850.4,       7.3,       7.3,       0.0);         ( 412325.6,
3728850.4,       7.4,       7.4,       0.0);
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***       05/26/20
 *** AERMET - VERSION  16216 ***   ***
                         ***       16:48:31

                                   PAGE 303
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                        *** DISCRETE CARTESIAN RECEPTORS ***
                                      (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                (METERS)

     ( 412345.6, 3728850.4,       7.4,       7.4,       0.0);         ( 412365.6,
3728850.4,       7.6,       7.6,       0.0);
     ( 412145.6, 3728870.4,       7.3,       7.3,       0.0);         ( 412165.6,
3728870.4,       7.0,       7.0,       0.0);
     ( 412185.6, 3728870.4,       7.6,       7.6,       0.0);         ( 412205.6,
3728870.4,       7.7,       7.7,       0.0);
     ( 412225.6, 3728870.4,       7.7,       7.7,       0.0);         ( 412245.6,
3728870.4,       7.7,       7.7,       0.0);
     ( 412265.6, 3728870.4,       7.8,       7.8,       0.0);         ( 412285.6,
3728870.4,       7.8,       7.8,       0.0);
     ( 412305.6, 3728870.4,       7.8,       7.8,       0.0);         ( 412325.6,
3728870.4,       7.8,       7.8,       0.0);
     ( 412345.6, 3728870.4,       7.8,       7.8,       0.0);         ( 412365.6,
3728870.4,       7.7,       7.7,       0.0);
     ( 412145.6, 3728890.4,       7.3,       7.3,       0.0);         ( 412165.6,
3728890.4,       7.0,       7.0,       0.0);
     ( 412185.6, 3728890.4,       7.9,       7.9,       0.0);         ( 412205.6,
3728890.4,       7.9,       7.9,       0.0);
     ( 412225.6, 3728890.4,       7.9,       7.9,       0.0);         ( 412245.6,
3728890.4,       7.9,       7.9,       0.0);
     ( 412265.6, 3728890.4,       8.0,       8.0,       0.0);         ( 412285.6,
3728890.4,       8.1,       8.1,       0.0);
     ( 412305.6, 3728890.4,       8.0,       8.0,       0.0);         ( 412325.6,
3728890.4,       8.1,       8.1,       0.0);
     ( 412345.6, 3728890.4,       8.1,       8.1,       0.0);         ( 412365.6,
```

```
3728890.4,       7.8,       7.8,       0.0);
     ( 412145.6, 3728910.4,       7.4,       7.4,       0.0);         ( 412165.6,
3728910.4,       7.1,       7.1,       0.0);
     ( 412185.6, 3728910.4,       7.7,       7.7,       0.0);         ( 412205.6,
3728910.4,       7.8,       7.8,       0.0);
     ( 412225.6, 3728910.4,       7.9,       7.9,       0.0);         ( 412245.6,
3728910.4,       7.9,       7.9,       0.0);
     ( 412265.6, 3728910.4,       7.9,       7.9,       0.0);         ( 412285.6,
3728910.4,       8.0,       8.0,       0.0);
     ( 412305.6, 3728910.4,       8.0,       8.0,       0.0);         ( 412325.6,
3728910.4,       7.9,       7.9,       0.0);
     ( 412345.6, 3728910.4,       7.9,       7.9,       0.0);         ( 412365.6,
3728910.4,       7.8,       7.8,       0.0);
     ( 412145.6, 3728930.4,       7.5,       7.5,       0.0);         ( 412165.6,
3728930.4,       7.1,       7.1,       0.0);
     ( 412185.6, 3728930.4,       7.2,       7.2,       0.0);         ( 412205.6,
3728930.4,       7.3,       7.3,       0.0);
     ( 412225.6, 3728930.4,       7.3,       7.3,       0.0);         ( 412245.6,
3728930.4,       7.4,       7.4,       0.0);
     ( 412265.6, 3728930.4,       7.4,       7.4,       0.0);         ( 412285.6,
3728930.4,       7.5,       7.5,       0.0);
     ( 412305.6, 3728930.4,       7.5,       7.5,       0.0);         ( 412325.6,
3728930.4,       7.5,       7.5,       0.0);
     ( 412345.6, 3728930.4,       7.6,       7.6,       0.0);         ( 412365.6,
3728930.4,       7.8,       7.8,       0.0);
     ( 412145.6, 3728950.4,       7.5,       7.5,       0.0);         ( 412165.6,
3728950.4,       7.2,       7.2,       0.0);
     ( 412185.6, 3728950.4,       7.7,       7.7,       0.0);         ( 412205.6,
3728950.4,       7.8,       7.8,       0.0);
     ( 412225.6, 3728950.4,       7.9,       7.9,       0.0);         ( 412245.6,
3728950.4,       7.9,       7.9,       0.0);
     ( 412265.6, 3728950.4,       7.9,       7.9,       0.0);         ( 412285.6,
3728950.4,       8.0,       8.0,       0.0);
     ( 412305.6, 3728950.4,       8.0,       8.0,       0.0);         ( 412325.6,
3728950.4,       8.0,       8.0,       0.0);
     ( 412345.6, 3728950.4,       8.0,       8.0,       0.0);         ( 412365.6,
3728950.4,       7.9,       7.9,       0.0);
     ( 412145.6, 3728970.4,       7.8,       7.8,       0.0);         ( 412165.6,
3728970.4,       7.3,       7.3,       0.0);
     ( 412185.6, 3728970.4,       7.9,       7.9,       0.0);         ( 412205.6,
3728970.4,       8.0,       8.0,       0.0);
     ( 412225.6, 3728970.4,       8.0,       8.0,       0.0);         ( 412245.6,
3728970.4,       8.1,       8.1,       0.0);
     ( 412265.6, 3728970.4,       8.0,       8.0,       0.0);         ( 412285.6,
3728970.4,       8.1,       8.1,       0.0);
     ( 412305.6, 3728970.4,       8.1,       8.1,       0.0);         ( 412325.6,
3728970.4,       8.2,       8.2,       0.0);
     ( 412345.6, 3728970.4,       8.3,       8.3,       0.0);         ( 412365.6,
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     ( 412145.6, 3728990.4,       7.8,       7.8,       0.0);         ( 412165.6,
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3728990.4,   7.3,   7.3,   0.0);
     (412185.6, 3728990.4,   7.6,   7.6,   0.0);   (412205.6,
3728990.4,   7.8,   7.8,   0.0);
     (412225.6, 3728990.4,   7.8,   7.8,   0.0);   (412245.6,
3728990.4,   7.8,   7.8,   0.0);
     (412265.6, 3728990.4,   7.8,   7.8,   0.0);   (412285.6,
3728990.4,   7.8,   7.8,   0.0);
     (412305.6, 3728990.4,   7.9,   7.9,   0.0);   (412325.6,
3728990.4,   8.0,   8.0,   0.0);
     (412345.6, 3728990.4,   8.1,   8.1,   0.0);   (412365.6,
3728990.4,   7.9,   7.9,   0.0);
     (412145.6, 3729010.4,   7.9,   7.9,   0.0);   (412165.6,
3729010.4,   7.5,   7.5,   0.0);
     (412185.6, 3729010.4,   7.5,   7.5,   0.0);   (412205.6,
3729010.4,   7.6,   7.6,   0.0);

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                              (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                          (METERS)

     (412225.6, 3729010.4,   7.6,   7.6,   0.0);   (412245.6,
3729010.4,   7.6,   7.6,   0.0);
     (412265.6, 3729010.4,   7.7,   7.7,   0.0);   (412285.6,
3729010.4,   7.7,   7.7,   0.0);
     (412305.6, 3729010.4,   7.8,   7.8,   0.0);   (412325.6,
3729010.4,   7.8,   7.8,   0.0);
     (412345.6, 3729010.4,   7.9,   7.9,   0.0);   (412365.6,
3729010.4,   8.0,   8.0,   0.0);
     (411515.3, 3723339.4,   3.3,   3.3,   0.0);   (411567.0,
3723321.5,   5.3,   6.4,   0.0);
     (411209.7, 3721870.7,   4.1,   4.1,   0.0);   (410711.6,
3722303.4,   3.0,   3.0,   0.0);
     (411481.6, 3723222.3,   4.9,   4.9,   0.0);   (412561.3,
3728653.1,   7.4,   7.4,   0.0);
     (413259.4, 3728649.9,   10.0,   12.0,   0.0);   (412826.3,
3727832.2,   10.6,   11.9,   0.0);
     (412377.1, 3727858.1,   6.2,   6.2,   0.0);   (412380.3,
3728258.8,   6.5,   6.5,   0.0);
     (412584.0, 3728262.0,   8.0,   8.0,   0.0);

                                          *** METEOROLOGICAL DAYS SELECTED FOR
PROCESSING ***
                                                              (1=YES; 0=NO)

           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1

                NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON
WHAT IS INCLUDED IN THE DATA FILE.

                                     *** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED
CATEGORIES ***
                                                          (METERS/SEC)

                                                  1.54,   3.09,   5.14,   8.23,
10.80,

                                       *** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL
DATA ***

   Surface file: JOHNWAYNEINT'LAIRPORTADJU\KSNA_V9_ADJU\KSNA_V9.SFC
                Met Version: 16216
   Profile file: JOHNWAYNEINT'LAIRPORTADJU\KSNA_V9_ADJU\KSNA_V9.PFL

Surface format: FREE

Profile format: FREE

Surface station no.: 93184 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN

Year: 2012 Year: 2012

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
12	01	01	1	01	-4.5	0.082	-9.000	-9.000	-999.	56.	11.0	0.12	2.65	1.00	0.87	62.	5.8	283.8	2.0
12	01	01	1	02	-3.5	0.073	-9.000	-9.000	-999.	47.	9.9	0.12	2.65	1.00	0.77	27.	5.8	283.1	2.0
12	01	01	1	03	-3.5	0.073	-9.000	-9.000	-999.	47.	9.9	0.12	2.65	1.00	0.77	336.	5.8	283.1	2.0
12	01	01	1	04	-3.3	0.070	-9.000	-9.000	-999.	45.	9.7	0.12	2.65	1.00	0.74	34.	5.8	283.1	2.0
12	01	01	1	05	-3.0	0.068	-9.000	-9.000	-999.	42.	9.4	0.12	2.65	1.00	0.70	154.	5.8	282.5	2.0
12	01	01	1	06	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.12	2.65	1.00	0.00	0.	5.8	282.0	2.0
12	01	01	1	07	-2.0	0.059	-9.000	-9.000	-999.	34.	9.0	0.12	2.65	1.00	0.55	343.	5.8	281.4	2.0
12	01	01	1	08	-2.6	0.066	-9.000	-9.000	-999.	40.	9.7	0.12	2.65	0.53	0.69	25.	5.8	281.4	2.0
12	01	01	1	09	21.6	0.133	0.252	0.010	27.	116.	-9.9	0.12	2.65	0.31	1.03	344.	5.8	282.5	2.0
12	01	01	1	10	115.6	0.162	0.713	0.008	114.	156.	-3.3	0.12	2.65	0.24	1.06	233.	5.8	286.4	2.0
12	01	01	1	11	160.9	0.126	1.129	0.005	325.	108.	-1.1	0.12	2.65	0.21	0.67	261.	5.8	291.4	2.0
12	01	01	1	12	187.0	0.138	1.467	0.005	614.	123.	-1.3	0.12	2.65	0.20	0.75	252.	5.8	294.9	2.0
12	01	01	1	13	186.9	0.189	1.755	0.005	1051.	197.	-3.3	0.12	2.65	0.20	1.23	280.	5.8	297.5	2.0
12	01	01	1	14	168.3	0.247	1.857	0.005	1383.	295.	-8.1	0.12	2.65	0.21	1.86	268.	5.8	299.2	2.0
12	01	01	1	15	115.3	0.275	1.688	0.005	1517.	346.	-16.3	0.12	2.65	0.24	2.25	248.	5.8	298.1	2.0
12	01	01	1	16	41.5	0.262	1.211	0.005	1552.	322.	-39.2	0.12	2.65	0.33	2.32	227.	5.8	295.9	2.0
12	01	01	1	17	-17.9	0.217	-9.000	-9.000	-999.	244.	52.0	0.12	2.65	0.60	2.18	227.	5.8	292.5	2.0
12	01	01	1	18	-24.7	0.250	-9.000	-9.000	-999.	300.	68.7	0.12	2.65						

```
1.00    2.50  219.    5.8  288.8    2.0
 12 01 01   1 19   -5.2  0.088 -9.000 -9.000 -999.   91.     12.0  0.12   2.65
1.00    0.94  201.    5.8  287.5    2.0
 12 01 01   1 20   -3.5  0.073 -9.000 -9.000 -999.   47.     10.0  0.12   2.65
1.00    0.77  259.    5.8  287.0    2.0
 12 01 01   1 21   -2.6  0.064 -9.000 -9.000 -999.   39.      9.1  0.12   2.65
1.00    0.65  264.    5.8  286.4    2.0
 12 01 01   1 22   -4.4  0.081 -9.000 -9.000 -999.   55.     10.9  0.12   2.65
1.00    0.86  211.    5.8  285.9    2.0
 12 01 01   1 23   -4.2  0.079 -9.000 -9.000 -999.   53.     10.7  0.12   2.65
1.00    0.84  247.    5.8  284.9    2.0
 12 01 01   1 24   -7.1  0.103 -9.000 -9.000 -999.   80.     14.1  0.12   2.65
1.00    1.09  236.    5.8  283.8    2.0


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 12 01 01 01    5.8 1   62.    0.87   283.8   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                        ***       05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***       16:48:31

                                 PAGE 307
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1   ***
                                 INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
         406928.54    3720436.98        0.01008                      407433.29
```

3720436.98 0.01034
407938.04 3720436.98 0.01052 408442.79
3720436.98 0.01066
408947.54 3720436.98 0.01082 409452.29
3720436.98 0.01099
409957.04 3720436.98 0.01115 410461.79
3720436.98 0.01134
410966.54 3720436.98 0.01162 411471.29
3720436.98 0.01196
411976.04 3720436.98 0.01228 412480.79
3720436.98 0.01248
412985.54 3720436.98 0.01254 413490.29
3720436.98 0.01240
413995.04 3720436.98 0.01222 414499.79
3720436.98 0.01212
415004.54 3720436.98 0.01075 415509.29
3720436.98 0.01053
416014.04 3720436.98 0.01029 416518.79
3720436.98 0.01134
417023.54 3720436.98 0.01111 406928.54
3720940.90 0.01056
407433.29 3720940.90 0.01093 407938.04
3720940.90 0.01120
408442.79 3720940.90 0.01139 408947.54
3720940.90 0.01156
409452.29 3720940.90 0.01176 409957.04
3720940.90 0.01195
410461.79 3720940.90 0.01215 410966.54
3720940.90 0.01244
411471.29 3720940.90 0.01282 411976.04
3720940.90 0.01323
412480.79 3720940.90 0.01346 412985.54
3720940.90 0.01227
413490.29 3720940.90 0.01153 413995.04
3720940.90 0.01199
414499.79 3720940.90 0.01167 415004.54
3720940.90 0.01139
415509.29 3720940.90 0.01115 416014.04
3720940.90 0.01097
416518.79 3720940.90 0.01076 417023.54
3720940.90 0.01186
406928.54 3721444.82 0.01101 407433.29
3721444.82 0.01151
407938.04 3721444.82 0.01191 408442.79
3721444.82 0.01220
408947.54 3721444.82 0.01241 409452.29
3721444.82 0.01263
409957.04 3721444.82 0.01287 410461.79
3721444.82 0.01311
410966.54 3721444.82 0.01341 411471.29

```
3721444.82        0.01385
         411976.04    3721444.82        0.01427                        412480.79
3721444.82        0.01331
         412985.54    3721444.82        0.01257                        413490.29
3721444.82        0.01252
         413995.04    3721444.82        0.01271                        414499.79
3721444.82        0.01248
         415004.54    3721444.82        0.01214                        415509.29
3721444.82        0.01183
         416014.04    3721444.82        0.01165                        416518.79
3721444.82        0.01145
         417023.54    3721444.82        0.01117                        406928.54
3721948.74        0.01145
         407433.29    3721948.74        0.01207                        407938.04
3721948.74        0.01264
         408442.79    3721948.74        0.01309                        408947.54
3721948.74        0.01339
         409452.29    3721948.74        0.01365                        409957.04
3721948.74        0.01393
         410461.79    3721948.74        0.01424                        410966.54
3721948.74        0.01454
         411471.29    3721948.74        0.01498                        411976.04
3721948.74        0.01551
         412480.79    3721948.74        0.01376                        412985.54
3721948.74        0.01357
         413490.29    3721948.74        0.01351                        413995.04
3721948.74        0.01368
         414499.79    3721948.74        0.01354                        415004.54
3721948.74        0.01304
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***       05/26/20
 *** AERMET - VERSION  16216 ***   ***
                         ***       16:48:31

                                   PAGE 308
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1   ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***
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** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
415509.29	3721948.74	0.01272	416014.04	3721948.74	0.01250
416518.79	3721948.74	0.01225	417023.54	3721948.74	0.01194
406928.54	3722452.66	0.01191	407433.29	3722452.66	0.01263
407938.04	3722452.66	0.01336	408442.79	3722452.66	0.01401
408947.54	3722452.66	0.01450	409452.29	3722452.66	0.01485
409957.04	3722452.66	0.01521	410461.79	3722452.66	0.01553
411471.29	3722452.66	0.01637	411976.04	3722452.66	0.01695
412480.79	3722452.66	0.01502	412985.54	3722452.66	0.01487
413490.29	3722452.66	0.01483	413995.04	3722452.66	0.01501
414499.79	3722452.66	0.01457	415004.54	3722452.66	0.01405
415509.29	3722452.66	0.01369	416014.04	3722452.66	0.01349
416518.79	3722452.66	0.01323	417023.54	3722452.66	0.01297
406928.54	3722956.58	0.01242	407433.29	3722956.58	0.01321
407938.04	3722956.58	0.01409	408442.79	3722956.58	0.01496
408947.54	3722956.58	0.01575	409452.29	3722956.58	0.01625
409957.04	3722956.58	0.01668	410461.79	3722956.58	0.01709
410966.54	3722956.58	0.01751	411976.04	3722956.58	0.01874
412480.79	3722956.58	0.01674	412985.54	3722956.58	0.01641
413490.29	3722956.58	0.01634	413995.04	3722956.58	0.01641
414499.79	3722956.58	0.01598	415004.54	3722956.58	0.01536
415509.29	3722956.58	0.01497	416014.04	3722956.58	0.01469

```
         416518.79    3722956.58        0.01443                        417023.54
3722956.58        0.01454
         406928.54    3723460.50        0.01297                        407433.29
3723460.50        0.01384
         407938.04    3723460.50        0.01483                        408442.79
3723460.50        0.01593
         408947.54    3723460.50        0.01697                        409452.29
3723460.50        0.01786
         409957.04    3723460.50        0.01845                        410461.79
3723460.50        0.01897
         410966.54    3723460.50        0.01952                        411471.29
3723460.50        0.02012
         411976.04    3723460.50        0.02092                        412480.79
3723460.50        0.02170
         412985.54    3723460.50        0.01848                        413490.29
3723460.50        0.01837
         413995.04    3723460.50        0.01830                        414499.79
3723460.50        0.01769
         415004.54    3723460.50        0.01696                        415509.29
3723460.50        0.01648
         416014.04    3723460.50        0.01612                        416518.79
3723460.50        0.01600
         417023.54    3723460.50        0.01597                        406928.54
3723964.42        0.01355
         407433.29    3723964.42        0.01453                        407938.04
3723964.42        0.01567
         408442.79    3723964.42        0.01688                        408947.54
3723964.42        0.01825
         409452.29    3723964.42        0.01954                        409957.04
3723964.42        0.02056
         410461.79    3723964.42        0.02131                        410966.54
3723964.42        0.02202
         411471.29    3723964.42        0.02275                        411976.04
3723964.42        0.02359
         412480.79    3723964.42        0.02083                        412985.54
3723964.42        0.02093
         413490.29    3723964.42        0.02098                        413995.04
3723964.42        0.02065
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                        ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        16:48:31

                                  PAGE 309
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1   ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
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                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                 L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                 L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         414499.79    3723964.42        0.01965                       415004.54
3723964.42        0.01890
         415509.29    3723964.42        0.01837                       416014.04
3723964.42        0.01806
         416518.79    3723964.42        0.01784                       417023.54
3723964.42        0.01751
         406928.54    3724468.34        0.01414                       407433.29
3724468.34        0.01534
         407938.04    3724468.34        0.01654                       408442.79
3724468.34        0.01796
         408947.54    3724468.34        0.01957                       409452.29
3724468.34        0.02133
         409957.04    3724468.34        0.02299                       410461.79
3724468.34        0.02428
         410966.54    3724468.34        0.02521                       411471.29
3724468.34        0.02617
         411976.04    3724468.34        0.02729                       412480.79
3724468.34        0.02405
         412985.54    3724468.34        0.02432                       413490.29
3724468.34        0.02434
         413995.04    3724468.34        0.02351                       414499.79
3724468.34        0.02225
         415004.54    3724468.34        0.02148                       415509.29
3724468.34        0.02095
         416014.04    3724468.34        0.02058                       416518.79
3724468.34        0.01993
         417023.54    3724468.34        0.01891                       406928.54
3724972.26        0.01477
         407433.29    3724972.26        0.01600                       407938.04
3724972.26        0.01753
         408442.79    3724972.26        0.01914                       408947.54
3724972.26        0.02105
         409452.29    3724972.26        0.02327                       409957.04
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3724972.26        0.02565
         410461.79    3724972.26        0.02783                      410966.54
3724972.26        0.02943
         411471.29    3724972.26        0.03082                      411976.04
3724972.26        0.03237
         412480.79    3724972.26        0.03389                      412985.54
3724972.26        0.02875
         413490.29    3724972.26        0.02900                      413995.04
3724972.26        0.02722
         414499.79    3724972.26        0.02571                      415004.54
3724972.26        0.02500
         415509.29    3724972.26        0.02443                      416014.04
3724972.26        0.02351
         416518.79    3724972.26        0.02198                      417023.54
3724972.26        0.02006
         406928.54    3725476.18        0.01536                      407433.29
3725476.18        0.01671
         407938.04    3725476.18        0.01838                      408442.79
3725476.18        0.02033
         408947.54    3725476.18        0.02266                      409452.29
3725476.18        0.02541
         409957.04    3725476.18        0.02860                      410461.79
3725476.18        0.03202
         410966.54    3725476.18        0.03502                      411471.29
3725476.18        0.03728
         411976.04    3725476.18        0.03941                      412480.79
3725476.18        0.04174
         412985.54    3725476.18        0.04287                      413490.29
3725476.18        0.03536
         413995.04    3725476.18        0.03256                      414499.79
3725476.18        0.03078
         415004.54    3725476.18        0.03010                      415509.29
3725476.18        0.02870
         416014.04    3725476.18        0.02633                      416518.79
3725476.18        0.02362
         417023.54    3725476.18        0.02314                      406928.54
3725980.10        0.01437
         407433.29    3725980.10        0.01732                      407938.04
3725980.10        0.01921
         408442.79    3725980.10        0.02147                      408947.54
3725980.10        0.02423
         409452.29    3725980.10        0.02767                      409957.04
3725980.10        0.03191
         410461.79    3725980.10        0.03695                      410966.54
3725980.10        0.04235
         411471.29    3725980.10        0.04688                      411976.04
3725980.10        0.05050
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SRCGP1 ***

INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
412480.79	3725980.10	0.05419	412985.54	3725980.10	0.05598
413490.29	3725980.10	0.04491	413995.04	3725980.10	0.04081
414499.79	3725980.10	0.03905	415004.54	3725980.10	0.03682
415509.29	3725980.10	0.03290	416014.04	3725980.10	0.02857
416518.79	3725980.10	0.02513	417023.54	3725980.10	0.02216
406928.54	3726484.02	0.01496	407433.29	3726484.02	0.01773
407938.04	3726484.02	0.01980	408442.79	3726484.02	0.02198
408947.54	3726484.02	0.02556	409452.29	3726484.02	0.02973
409957.04	3726484.02	0.03523	410461.79	3726484.02	0.04249
410966.54	3726484.02	0.05167	411471.29	3726484.02	0.06153
411976.04	3726484.02	0.06958	412480.79	3726484.02	0.07643
412985.54	3726484.02	0.08027	413490.29	3726484.02	0.06104

413995.04 3726484.02 0.05544 414499.79
3726484.02 0.05170
415004.54 3726484.02 0.04383 415509.29
3726484.02 0.03631
416014.04 3726484.02 0.03118 416518.79
3726484.02 0.02769
417023.54 3726484.02 0.02674 406928.54
3726987.94 0.01457
407433.29 3726987.94 0.01650 407938.04
3726987.94 0.01862
408442.79 3726987.94 0.02075 408947.54
3726987.94 0.02657
409452.29 3726987.94 0.03132 409957.04
3726987.94 0.03789
410461.79 3726987.94 0.04757 410966.54
3726987.94 0.06213
411471.29 3726987.94 0.08311 411976.04
3726987.94 0.10755
412480.79 3726987.94 0.12803 412985.54
3726987.94 0.13645
413490.29 3726987.94 0.09749 413995.04
3726987.94 0.08330
414499.79 3726987.94 0.06559 415004.54
3726987.94 0.05082
415509.29 3726987.94 0.04226 416014.04
3726987.94 0.03666
416518.79 3726987.94 0.03459 417023.54
3726987.94 0.03091
406928.54 3727491.86 0.01434 407433.29
3727491.86 0.01635
407938.04 3727491.86 0.01883 408442.79
3727491.86 0.02096
408947.54 3727491.86 0.02424 409452.29
3727491.86 0.03247
409957.04 3727491.86 0.03973 410461.79
3727491.86 0.05092
410966.54 3727491.86 0.07013 411471.29
3727491.86 0.10658
411976.04 3727491.86 0.18270 412480.79
3727491.86 0.31704
412985.54 3727491.86 0.37778 413490.29
3727491.86 0.20561
413995.04 3727491.86 0.13500 414499.79
3727491.86 0.09553
415004.54 3727491.86 0.07289 415509.29
3727491.86 0.05915
416014.04 3727491.86 0.04984 416518.79
3727491.86 0.04291
417023.54 3727491.86 0.03757 406928.54
3727995.78 0.01476

                              *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1   ***
                                  INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                  L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0000013   ,
                  L0000014   , L0000015   , L0000016   , L0000017   , L0000018
, L0000019   , L0000020   , L0000021   ,
                  L0000022   , L0000023   , L0000024   , L0000025   , L0000026
, L0000027   , L0000028   , . . .   ,

                                     *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         410461.79   3727995.78   0.05256   410966.54
3727995.78   0.07376
         411471.29   3727995.78   0.11924   411976.04
3727995.78   0.25654
         412985.54   3727995.78   9.46730   413490.29
3727995.78   0.69931
         413995.04   3727995.78   0.27685   414499.79
3727995.78   0.16117
         415004.54   3727995.78   0.11366   415509.29
3727995.78   0.08324
         416014.04   3727995.78   0.06610   416518.79
3727995.78   0.05450
         417023.54   3727995.78   0.04618   406928.54
3728499.70   0.01652
         407433.29   3728499.70   0.01792   407938.04

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3728499.70        0.01815
         408442.79    3728499.70        0.02037                    408947.54
3728499.70        0.02707
         409452.29    3728499.70        0.03220                    409957.04
3728499.70        0.03958
         410461.79    3728499.70        0.05115                    410966.54
3728499.70        0.07156
         411471.29    3728499.70        0.11469                    411976.04
3728499.70        0.24577
         412480.79    3728499.70        1.20452                    413490.29
3728499.70        2.30937
         413995.04    3728499.70        0.66290                    414499.79
3728499.70        0.30291
         415004.54    3728499.70        0.17654                    415509.29
3728499.70        0.11905
         416014.04    3728499.70        0.08787                    416518.79
3728499.70        0.06867
         417023.54    3728499.70        0.05606                    406928.54
3729003.62        0.01461
         407433.29    3729003.62        0.01578                    407938.04
3729003.62        0.01759
         408442.79    3729003.62        0.01990                    408947.54
3729003.62        0.02310
         409452.29    3729003.62        0.03106                    409957.04
3729003.62        0.03778
         410461.79    3729003.62        0.04788                    410966.54
3729003.62        0.06474
         411471.29    3729003.62        0.09683                    411976.04
3729003.62        0.17294
         412480.79    3729003.62        0.39893                    412985.54
3729003.62        2.22918
         413490.29    3729003.62        2.11483                    413995.04
3729003.62        0.89425
         414499.79    3729003.62        0.44341                    415004.54
3729003.62        0.25573
         415509.29    3729003.62        0.16548                    416014.04
3729003.62        0.11650
         416518.79    3729003.62        0.08736                    417023.54
3729003.62        0.06880
         406928.54    3729507.54        0.01582                    407433.29
3729507.54        0.01581
         407938.04    3729507.54        0.01789                    408442.79
3729507.54        0.02185
         408947.54    3729507.54        0.02527                    409452.29
3729507.54        0.02966
         409957.04    3729507.54        0.03535                    410461.79
3729507.54        0.04351
         410966.54    3729507.54        0.05620                    411471.29
3729507.54        0.07742
         411976.04    3729507.54        0.11236                    412480.79
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3729507.54   0.16659
         412985.54   3729507.54   0.41006   413490.29
3729507.54   0.91788
         413995.04   3729507.54   0.69926   414499.79
3729507.54   0.44617
         415004.54   3729507.54   0.29207   415509.29
3729507.54   0.20099
         416014.04   3729507.54   0.14469   416518.79
3729507.54   0.10942
         417023.54   3729507.54   0.08452   406928.54
3730011.46   0.01555
         407433.29   3730011.46   0.01724   407938.04
3730011.46   0.01911
         408442.79   3730011.46   0.02138   408947.54
3730011.46   0.02417

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1   ***
                                    INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                   L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0000013   ,
                   L0000014   , L0000015   , L0000016   , L0000017   , L0000018
, L0000019   , L0000020   , L0000021   ,
                   L0000022   , L0000023   , L0000024   , L0000025   , L0000026
, L0000027   , L0000028   , . . .   ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                    ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         409452.29   3730011.46   0.02772   409957.04
3730011.46   0.03245
         410461.79   3730011.46   0.03911   410966.54
3730011.46   0.04857
         411471.29   3730011.46   0.06101   411976.04
3730011.46   0.07649

412480.79 3730011.46 0.09853 412985.54 3730011.46 0.17217
413490.29 3730011.46 0.39127 413995.04 3730011.46 0.45788
414499.79 3730011.46 0.36459 415004.54 3730011.46 0.27298
415509.29 3730011.46 0.20549 416014.04 3730011.46 0.15781
416518.79 3730011.46 0.12354 417023.54 3730011.46 0.09852
406928.54 3730515.38 0.01520 407433.29 3730515.38 0.01659
407938.04 3730515.38 0.01822 408442.79 3730515.38 0.02027
408947.54 3730515.38 0.02268 409452.29 3730515.38 0.02581
409957.04 3730515.38 0.02990 410461.79 3730515.38 0.03519
410966.54 3730515.38 0.04141 411471.29 3730515.38 0.04830
411976.04 3730515.38 0.05620 412480.79 3730515.38 0.06851
412985.54 3730515.38 0.10025 413490.29 3730515.38 0.19473
413995.04 3730515.38 0.28901 414499.79 3730515.38 0.28297
415004.54 3730515.38 0.23816 415509.29 3730515.38 0.19048
416014.04 3730515.38 0.15577 416518.79 3730515.38 0.12687
417023.54 3730515.38 0.10569 410498.80 3722355.26 0.01528
410518.80 3722355.26 0.01529 410538.80 3722355.26 0.01531
410558.80 3722355.26 0.01532 410578.80 3722355.26 0.01533
410598.80 3722355.26 0.01535 410618.80 3722355.26 0.01536
410638.80 3722355.26 0.01537 410658.80 3722355.26 0.01540
410678.80 3722355.26 0.01542 410698.80 3722355.26 0.01543
410718.80 3722355.26 0.01544 410738.80 3722355.26 0.01545
410498.80 3722375.26 0.01534 410518.80 3722375.26 0.01535
410538.80 3722375.26 0.01536 410558.80 3722375.26 0.01538
410578.80 3722375.26 0.01540 410598.80 3722375.26 0.01540

```
         410618.80    3722375.26        0.01541                      410638.80
3722375.26        0.01544
         410658.80    3722375.26        0.01546                      410678.80
3722375.26        0.01547
         410698.80    3722375.26        0.01548                      410718.80
3722375.26        0.01550
         410738.80    3722375.26        0.01551                      410758.80
3722375.26        0.01551
         410498.80    3722395.26        0.01539                      410518.80
3722395.26        0.01540
         410538.80    3722395.26        0.01542                      410558.80
3722395.26        0.01544
         410578.80    3722395.26        0.01544                      410598.80
3722395.26        0.01546
         410618.80    3722395.26        0.01548                      410638.80
3722395.26        0.01551
         410658.80    3722395.26        0.01552                      410678.80
3722395.26        0.01552
         410698.80    3722395.26        0.01554                      410718.80
3722395.26        0.01555
         410738.80    3722395.26        0.01557                      410758.80
3722395.26        0.01558
         410778.80    3722395.26        0.01558                      410498.80
3722415.26        0.01545
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                         ***        16:48:31

                                    PAGE 313
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1   ***
                                    INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                   L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                   L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                   L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                    ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                      X-COORD (M)
```

```
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
         410518.80    3722415.26        0.01546                       410538.80
3722415.26        0.01548
         410558.80    3722415.26        0.01549                       410578.80
3722415.26        0.01550
         410598.80    3722415.26        0.01553                       410618.80
3722415.26        0.01555
         410638.80    3722415.26        0.01556                       410658.80
3722415.26        0.01557
         410678.80    3722415.26        0.01559                       410698.80
3722415.26        0.01560
         410718.80    3722415.26        0.01561                       410738.80
3722415.26        0.01562
         410758.80    3722415.26        0.01564                       410778.80
3722415.26        0.01564
         410798.80    3722415.26        0.01565                       410498.80
3722435.26        0.01550
         410518.80    3722435.26        0.01552                       410538.80
3722435.26        0.01554
         410558.80    3722435.26        0.01554                       410578.80
3722435.26        0.01556
         410598.80    3722435.26        0.01559                       410618.80
3722435.26        0.01561
         410638.80    3722435.26        0.01561                       410658.80
3722435.26        0.01563
         410678.80    3722435.26        0.01565                       410698.80
3722435.26        0.01566
         410718.80    3722435.26        0.01567                       410738.80
3722435.26        0.01568
         410758.80    3722435.26        0.01570                       410778.80
3722435.26        0.01571
         410798.80    3722435.26        0.01571                       410818.80
3722435.26        0.01572
         410498.80    3722455.26        0.01556                       410518.80
3722455.26        0.01558
         410538.80    3722455.26        0.01559                       410558.80
3722455.26        0.01560
         410578.80    3722455.26        0.01564                       410598.80
3722455.26        0.01565
         410618.80    3722455.26        0.01566                       410638.80
3722455.26        0.01567
         410658.80    3722455.26        0.01569                       410678.80
3722455.26        0.01570
         410698.80    3722455.26        0.01571                       410718.80
3722455.26        0.01572
         410738.80    3722455.26        0.01573                       410758.80
3722455.26        0.01575
         410778.80    3722455.26        0.01576                       410798.80
```

3722455.26   0.01576
         410818.80   3722455.26   0.01578   410838.80
3722455.26   0.01580
         410498.80   3722475.26   0.01562   410518.80
3722475.26   0.01563
         410538.80   3722475.26   0.01564   410558.80
3722475.26   0.01568
         410578.80   3722475.26   0.01569   410598.80
3722475.26   0.01570
         410618.80   3722475.26   0.01571   410638.80
3722475.26   0.01573
         410658.80   3722475.26   0.01575   410678.80
3722475.26   0.01576
         410698.80   3722475.26   0.01577   410718.80
3722475.26   0.01578
         410738.80   3722475.26   0.01579   410758.80
3722475.26   0.01581
         410778.80   3722475.26   0.01581   410798.80
3722475.26   0.01582
         410818.80   3722475.26   0.01584   410838.80
3722475.26   0.01585
         410498.80   3722495.26   0.01568   410518.80
3722495.26   0.01569
         410538.80   3722495.26   0.01572   410558.80
3722495.26   0.01574
         410578.80   3722495.26   0.01575   410598.80
3722495.26   0.01576
         410618.80   3722495.26   0.01578   410638.80
3722495.26   0.01579
         410658.80   3722495.26   0.01580   410678.80
3722495.26   0.01582
         410698.80   3722495.26   0.01583   410718.80
3722495.26   0.01584

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1   ***
                                   INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                  L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0000013   ,
                  L0000014   , L0000015   , L0000016   , L0000017   , L0000018
, L0000019   , L0000020   , L0000021   ,
                  L0000022   , L0000023   , L0000024   , L0000025   , L0000026

, L0000027   , L0000028   , . . .   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10   IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
410738.80	3722495.26	0.01585	410758.80	3722495.26	0.01587
410778.80	3722495.26	0.01587	410798.80	3722495.26	0.01589
410818.80	3722495.26	0.01590	410838.80	3722495.26	0.01591
410858.80	3722495.26	0.01593	410498.80	3722515.26	0.01573
410518.80	3722515.26	0.01575	410538.80	3722515.26	0.01578
410558.80	3722515.26	0.01580	410578.80	3722515.26	0.01580
410598.80	3722515.26	0.01582	410618.80	3722515.26	0.01584
410638.80	3722515.26	0.01585	410658.80	3722515.26	0.01586
410678.80	3722515.26	0.01588	410698.80	3722515.26	0.01589
410718.80	3722515.26	0.01589	410738.80	3722515.26	0.01591
410758.80	3722515.26	0.01592	410778.80	3722515.26	0.01592
410798.80	3722515.26	0.01595	410818.80	3722515.26	0.01596
410838.80	3722515.26	0.01598	410858.80	3722515.26	0.01599
410878.80	3722515.26	0.01600	410498.80	3722535.26	0.01579
410518.80	3722535.26	0.01583	410538.80	3722535.26	0.01584
410558.80	3722535.26	0.01585	410578.80	3722535.26	0.01586
410598.80	3722535.26	0.01588	410618.80	3722535.26	0.01590
410638.80	3722535.26	0.01591	410658.80	3722535.26	0.01592
410678.80	3722535.26	0.01594	410698.80	3722535.26	0.01594

```
         410718.80    3722535.26        0.01595                        410738.80
3722535.26        0.01597
         410758.80    3722535.26        0.01598                        410778.80
3722535.26        0.01598
         410798.80    3722535.26        0.01601                        410818.80
3722535.26        0.01602
         410838.80    3722535.26        0.01604                        410858.80
3722535.26        0.01605
         410878.80    3722535.26        0.01606                        410898.80
3722535.26        0.01608
         410498.80    3722555.26        0.01587                        410518.80
3722555.26        0.01588
         410538.80    3722555.26        0.01590                        410558.80
3722555.26        0.01591
         410578.80    3722555.26        0.01592                        410598.80
3722555.26        0.01594
         410618.80    3722555.26        0.01595                        410638.80
3722555.26        0.01596
         410658.80    3722555.26        0.01598                        410678.80
3722555.26        0.01599
         410698.80    3722555.26        0.01600                        410718.80
3722555.26        0.01601
         410738.80    3722555.26        0.01603                        410758.80
3722555.26        0.01604
         410778.80    3722555.26        0.01604                        410798.80
3722555.26        0.01607
         410818.80    3722555.26        0.01608                        410838.80
3722555.26        0.01609
         410858.80    3722555.26        0.01611                        410878.80
3722555.26        0.01612
         410898.80    3722555.26        0.01614                        410918.80
3722555.26        0.01615
         410498.80    3722575.26        0.01593                        410518.80
3722575.26        0.01594
         410538.80    3722575.26        0.01595                        410558.80
3722575.26        0.01596
         410578.80    3722575.26        0.01598                        410598.80
3722575.26        0.01599
         410618.80    3722575.26        0.01600                        410638.80
3722575.26        0.01602
         410658.80    3722575.26        0.01603                        410678.80
3722575.26        0.01604
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                        ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                        ***       16:48:31

                                  PAGE 315
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SRCGP1 ***

INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
410698.80	3722575.26	0.01606	410718.80	3722575.26	0.01607
410738.80	3722575.26	0.01608	410758.80	3722575.26	0.01609
410778.80	3722575.26	0.01611	410798.80	3722575.26	0.01613
410818.80	3722575.26	0.01614	410838.80	3722575.26	0.01615
410858.80	3722575.26	0.01616	410878.80	3722575.26	0.01618
410898.80	3722575.26	0.01620	410918.80	3722575.26	0.01622
410938.80	3722575.26	0.01623	410498.80	3722595.26	0.01599
410518.80	3722595.26	0.01600	410538.80	3722595.26	0.01602
410558.80	3722595.26	0.01603	410578.80	3722595.26	0.01604
410598.80	3722595.26	0.01605	410618.80	3722595.26	0.01607
410638.80	3722595.26	0.01608	410658.80	3722595.26	0.01610
410678.80	3722595.26	0.01611	410698.80	3722595.26	0.01612
410718.80	3722595.26	0.01614	410738.80	3722595.26	0.01615
410758.80	3722595.26	0.01616	410778.80	3722595.26	0.01617
410798.80	3722595.26	0.01619	410818.80		

3722595.26 0.01620
410838.80 3722595.26 0.01621 410858.80
3722595.26 0.01623
410878.80 3722595.26 0.01625 410898.80
3722595.26 0.01626
410918.80 3722595.26 0.01628 410938.80
3722595.26 0.01629
410498.80 3722615.26 0.01605 410518.80
3722615.26 0.01606
410538.80 3722615.26 0.01608 410558.80
3722615.26 0.01609
410578.80 3722615.26 0.01610 410598.80
3722615.26 0.01612
410618.80 3722615.26 0.01613 410638.80
3722615.26 0.01614
410658.80 3722615.26 0.01616 410678.80
3722615.26 0.01617
410698.80 3722615.26 0.01619 410718.80
3722615.26 0.01620
410738.80 3722615.26 0.01621 410758.80
3722615.26 0.01623
410778.80 3722615.26 0.01623 410798.80
3722615.26 0.01625
410818.80 3722615.26 0.01626 410838.80
3722615.26 0.01627
410858.80 3722615.26 0.01629 410878.80
3722615.26 0.01630
410898.80 3722615.26 0.01632 410918.80
3722615.26 0.01633
410938.80 3722615.26 0.01635 410958.80
3722615.26 0.01637
410498.80 3722635.26 0.01610 410518.80
3722635.26 0.01611
410538.80 3722635.26 0.01613 410558.80
3722635.26 0.01614
410578.80 3722635.26 0.01616 410598.80
3722635.26 0.01617
410618.80 3722635.26 0.01619 410638.80
3722635.26 0.01620
410658.80 3722635.26 0.01622 410678.80
3722635.26 0.01623
410698.80 3722635.26 0.01624 410718.80
3722635.26 0.01626
410738.80 3722635.26 0.01627 410758.80
3722635.26 0.01629
410778.80 3722635.26 0.01630 410798.80
3722635.26 0.01631
410818.80 3722635.26 0.01632 410838.80
3722635.26 0.01633
410858.80 3722635.26 0.01635 410878.80

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                           *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1 ***
                           INCLUDING SOURCE(S): L0000001 , L0000002
, L0000003 , L0000004 , L0000005 ,
              L0000006 , L0000007 , L0000008 , L0000009 , L0000010
, L0000011 , L0000012 , L0000013 ,
              L0000014 , L0000015 , L0000016 , L0000017 , L0000018
, L0000019 , L0000020 , L0000021 ,
              L0000022 , L0000023 , L0000024 , L0000025 , L0000026
, L0000027 , L0000028 , . . . ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                    ** CONC OF PM_10 IN MICROGRAMS/M**3
              **

      X-COORD (M) Y-COORD (M) CONC   X-COORD (M)
Y-COORD (M) CONC
 -
- -
        410898.80 3722635.26 0.01638   410918.80
3722635.26 0.01640
        410938.80 3722635.26 0.01641   410958.80
3722635.26 0.01643
        410978.80 3722635.26 0.01645   410498.80
3722655.26 0.01615
        410518.80 3722655.26 0.01617   410538.80
3722655.26 0.01618
        410558.80 3722655.26 0.01620   410578.80
3722655.26 0.01621
        410598.80 3722655.26 0.01623   410618.80
3722655.26 0.01624
        410638.80 3722655.26 0.01626   410658.80
3722655.26 0.01627
        410678.80 3722655.26 0.01629   410698.80
3722655.26 0.01630
        410718.80 3722655.26 0.01632   410738.80
3722655.26 0.01633
        410758.80 3722655.26 0.01634   410778.80
3722655.26 0.01636

410798.80 3722655.26 0.01637 410818.80
3722655.26 0.01638
410838.80 3722655.26 0.01640 410858.80
3722655.26 0.01642
410878.80 3722655.26 0.01643 410898.80
3722655.26 0.01645
410918.80 3722655.26 0.01647 410938.80
3722655.26 0.01648
410958.80 3722655.26 0.01650 410978.80
3722655.26 0.01651
410998.80 3722655.26 0.01653 410498.80
3722675.26 0.01621
410518.80 3722675.26 0.01623 410538.80
3722675.26 0.01625
410558.80 3722675.26 0.01626 410578.80
3722675.26 0.01628
410598.80 3722675.26 0.01630 410618.80
3722675.26 0.01631
410638.80 3722675.26 0.01632 410658.80
3722675.26 0.01634
410678.80 3722675.26 0.01635 410698.80
3722675.26 0.01637
410718.80 3722675.26 0.01638 410738.80
3722675.26 0.01640
410758.80 3722675.26 0.01641 410778.80
3722675.26 0.01642
410798.80 3722675.26 0.01643 410818.80
3722675.26 0.01644
410838.80 3722675.26 0.01646 410858.80
3722675.26 0.01648
410878.80 3722675.26 0.01650 410898.80
3722675.26 0.01651
410918.80 3722675.26 0.01653 410938.80
3722675.26 0.01655
410958.80 3722675.26 0.01656 410978.80
3722675.26 0.01658
410998.80 3722675.26 0.01659 411018.80
3722675.26 0.01661
410498.80 3722695.26 0.01628 410518.80
3722695.26 0.01630
410538.80 3722695.26 0.01631 410558.80
3722695.26 0.01633
410578.80 3722695.26 0.01634 410598.80
3722695.26 0.01636
410618.80 3722695.26 0.01637 410638.80
3722695.26 0.01638
410658.80 3722695.26 0.01640 410678.80
3722695.26 0.01642
410698.80 3722695.26 0.01643 410718.80
3722695.26 0.01645

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                              *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1   ***
                                 INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                  L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0000013   ,
                  L0000014   , L0000015   , L0000016   , L0000017   , L0000018
, L0000019   , L0000020   , L0000021   ,
                  L0000022   , L0000023   , L0000024   , L0000025   , L0000026
, L0000027   , L0000028   , . . .   ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                 ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
        410938.80   3722695.26   0.01661   410958.80
3722695.26   0.01662
        410978.80   3722695.26   0.01663   410998.80
3722695.26   0.01665
        411018.80   3722695.26   0.01668   411038.80
3722695.26   0.01669
        410498.80   3722715.26   0.01634   410518.80
3722715.26   0.01636
        410538.80   3722715.26   0.01637   410558.80
3722715.26   0.01639
        410578.80   3722715.26   0.01641   410598.80

3722715.26 0.01642
410618.80 3722715.26 0.01644 410638.80
3722715.26 0.01644
410658.80 3722715.26 0.01647 410678.80
3722715.26 0.01648
410698.80 3722715.26 0.01650 410718.80
3722715.26 0.01651
410738.80 3722715.26 0.01652 410758.80
3722715.26 0.01654
410778.80 3722715.26 0.01655 410798.80
3722715.26 0.01656
410818.80 3722715.26 0.01657 410838.80
3722715.26 0.01659
410858.80 3722715.26 0.01661 410878.80
3722715.26 0.01662
410898.80 3722715.26 0.01663 410918.80
3722715.26 0.01665
410938.80 3722715.26 0.01667 410958.80
3722715.26 0.01669
410978.80 3722715.26 0.01670 410998.80
3722715.26 0.01672
411018.80 3722715.26 0.01674 411038.80
3722715.26 0.01676
410498.80 3722735.26 0.01640 410518.80
3722735.26 0.01641
410538.80 3722735.26 0.01643 410558.80
3722735.26 0.01645
410578.80 3722735.26 0.01647 410598.80
3722735.26 0.01648
410618.80 3722735.26 0.01650 410638.80
3722735.26 0.01651
410658.80 3722735.26 0.01652 410678.80
3722735.26 0.01654
410698.80 3722735.26 0.01655 410718.80
3722735.26 0.01657
410738.80 3722735.26 0.01658 410758.80
3722735.26 0.01660
410778.80 3722735.26 0.01661 410798.80
3722735.26 0.01662
410818.80 3722735.26 0.01663 410838.80
3722735.26 0.01665
410858.80 3722735.26 0.01667 410878.80
3722735.26 0.01669
410898.80 3722735.26 0.01670 410918.80
3722735.26 0.01671
410938.80 3722735.26 0.01673 410958.80
3722735.26 0.01674
410978.80 3722735.26 0.01676 410998.80
3722735.26 0.01678
411018.80 3722735.26 0.01680 411038.80

3722735.26   0.01682
         411058.80   3722735.26   0.01684   410498.80
3722755.26   0.01647
         410518.80   3722755.26   0.01648   410538.80
3722755.26   0.01650
         410558.80   3722755.26   0.01651   410578.80
3722755.26   0.01653
         410598.80   3722755.26   0.01655   410618.80
3722755.26   0.01656
         410638.80   3722755.26   0.01657   410658.80
3722755.26   0.01659
         410678.80   3722755.26   0.01661   410698.80
3722755.26   0.01662
         410718.80   3722755.26   0.01664   410738.80
3722755.26   0.01665
         410758.80   3722755.26   0.01667   410778.80
3722755.26   0.01668
         410798.80   3722755.26   0.01669   410818.80
3722755.26   0.01670

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                              *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1   ***
                                  INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                  L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0000013   ,
                  L0000014   , L0000015   , L0000016   , L0000017   , L0000018
, L0000019   , L0000020   , L0000021   ,
                  L0000022   , L0000023   , L0000024   , L0000025   , L0000026
, L0000027   , L0000028   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         410838.80   3722755.26   0.01672   410858.80
3722755.26   0.01674

410878.80	3722755.26	0.01675	410898.80	3722755.26	0.01677
410918.80	3722755.26	0.01678	410938.80	3722755.26	0.01679
410958.80	3722755.26	0.01681	410978.80	3722755.26	0.01683
410998.80	3722755.26	0.01685	411018.80	3722755.26	0.01687
411038.80	3722755.26	0.01689	411058.80	3722755.26	0.01691
411078.80	3722755.26	0.01693	410498.80	3722775.26	0.01653
410518.80	3722775.26	0.01655	410538.80	3722775.26	0.01656
410558.80	3722775.26	0.01658	410578.80	3722775.26	0.01660
410598.80	3722775.26	0.01661	410618.80	3722775.26	0.01663
410638.80	3722775.26	0.01663	410658.80	3722775.26	0.01666
410678.80	3722775.26	0.01667	410698.80	3722775.26	0.01669
410718.80	3722775.26	0.01670	410738.80	3722775.26	0.01672
410758.80	3722775.26	0.01673	410778.80	3722775.26	0.01675
410798.80	3722775.26	0.01675	410818.80	3722775.26	0.01676
410838.80	3722775.26	0.01678	410858.80	3722775.26	0.01680
410878.80	3722775.26	0.01682	410898.80	3722775.26	0.01683
410918.80	3722775.26	0.01685	410938.80	3722775.26	0.01686
410958.80	3722775.26	0.01688	410978.80	3722775.26	0.01690
410998.80	3722775.26	0.01691	411018.80	3722775.26	0.01693
411038.80	3722775.26	0.01695	411058.80	3722775.26	0.01697
411078.80	3722775.26	0.01699	411098.80	3722775.26	0.01701
410498.80	3722795.26	0.01659	410518.80	3722795.26	0.01661
410538.80	3722795.26	0.01663	410558.80	3722795.26	0.01664
410578.80	3722795.26	0.01666	410598.80	3722795.26	0.01668
410618.80	3722795.26	0.01669	410638.80	3722795.26	0.01670

```
         410658.80    3722795.26        0.01672                        410678.80
3722795.26        0.01673
         410698.80    3722795.26        0.01675                        410718.80
3722795.26        0.01677
         410738.80    3722795.26        0.01678                        410758.80
3722795.26        0.01680
         410778.80    3722795.26        0.01681                        410798.80
3722795.26        0.01682
         410818.80    3722795.26        0.01683                        410838.80
3722795.26        0.01685
         410858.80    3722795.26        0.01687                        410878.80
3722795.26        0.01688
         410898.80    3722795.26        0.01690                        410918.80
3722795.26        0.01691
         410938.80    3722795.26        0.01693                        410958.80
3722795.26        0.01695
         410978.80    3722795.26        0.01697                        410998.80
3722795.26        0.01698
         411018.80    3722795.26        0.01700                        411038.80
3722795.26        0.01701
         411058.80    3722795.26        0.01704                        411078.80
3722795.26        0.01706
         411098.80    3722795.26        0.01708                        411118.80
3722795.26        0.01710
         410498.80    3722815.26        0.01665                        410518.80
3722815.26        0.01667
         410538.80    3722815.26        0.01668                        410558.80
3722815.26        0.01670
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                         ***        16:48:31

                                    PAGE 319
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1   ***
                                    INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***
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** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
410578.80	3722815.26	0.01672	410598.80	3722815.26	0.01674
410618.80	3722815.26	0.01676	410638.80	3722815.26	0.01676
410658.80	3722815.26	0.01678	410678.80	3722815.26	0.01680
410698.80	3722815.26	0.01681	410718.80	3722815.26	0.01683
410738.80	3722815.26	0.01684	410758.80	3722815.26	0.01686
410778.80	3722815.26	0.01688	410798.80	3722815.26	0.01689
410818.80	3722815.26	0.01690	410838.80	3722815.26	0.01691
410858.80	3722815.26	0.01693	410878.80	3722815.26	0.01695
410898.80	3722815.26	0.01696	410918.80	3722815.26	0.01698
410938.80	3722815.26	0.01700	410958.80	3722815.26	0.01702
410978.80	3722815.26	0.01704	410998.80	3722815.26	0.01705
411018.80	3722815.26	0.01707	411038.80	3722815.26	0.01708
411058.80	3722815.26	0.01710	411078.80	3722815.26	0.01713
411098.80	3722815.26	0.01714	411118.80	3722815.26	0.01716
411138.80	3722815.26	0.01719	410498.80	3722835.26	0.01672
410518.80	3722835.26	0.01674	410538.80	3722835.26	0.01676
410558.80	3722835.26	0.01677	410578.80	3722835.26	0.01679
410598.80	3722835.26	0.01681	410618.80	3722835.26	0.01682
410638.80	3722835.26	0.01683	410658.80	3722835.26	0.01685
410678.80	3722835.26	0.01687	410698.80	3722835.26	0.01688
410718.80	3722835.26	0.01690	410738.80	3722835.26	0.01691
410758.80	3722835.26	0.01693	410778.80		

```
3722835.26        0.01694
         410798.80    3722835.26        0.01695                        410818.80
3722835.26        0.01696
         410838.80    3722835.26        0.01698                        410858.80
3722835.26        0.01700
         410878.80    3722835.26        0.01702                        410898.80
3722835.26        0.01703
         410918.80    3722835.26        0.01705                        410938.80
3722835.26        0.01707
         410958.80    3722835.26        0.01709                        410978.80
3722835.26        0.01710
         410998.80    3722835.26        0.01712                        411018.80
3722835.26        0.01714
         411038.80    3722835.26        0.01716                        411058.80
3722835.26        0.01717
         411078.80    3722835.26        0.01719                        411098.80
3722835.26        0.01721
         411118.80    3722835.26        0.01723                        411138.80
3722835.26        0.01725
         410498.80    3722855.26        0.01679                        410518.80
3722855.26        0.01681
         410538.80    3722855.26        0.01682                        410558.80
3722855.26        0.01684
         410578.80    3722855.26        0.01685                        410598.80
3722855.26        0.01687
         410618.80    3722855.26        0.01689                        410638.80
3722855.26        0.01689
         410658.80    3722855.26        0.01692                        410678.80
3722855.26        0.01694
         410698.80    3722855.26        0.01695                        410718.80
3722855.26        0.01697
         410738.80    3722855.26        0.01698                        410758.80
3722855.26        0.01700
         410778.80    3722855.26        0.01701                        410798.80
3722855.26        0.01702
         410818.80    3722855.26        0.01703                        410838.80
3722855.26        0.01705
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***       05/26/20
 *** AERMET - VERSION  16216 ***   ***
                          ***       16:48:31

                                    PAGE 320
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1   ***
                                    INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
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, L0000011    , L0000012    , L0000013    ,
                L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                 **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         410858.80    3722855.26        0.01707                      410878.80
3722855.26        0.01708
         410898.80    3722855.26        0.01710                      410918.80
3722855.26        0.01712
         410938.80    3722855.26        0.01714                      410958.80
3722855.26        0.01715
         410978.80    3722855.26        0.01717                      410998.80
3722855.26        0.01719
         411018.80    3722855.26        0.01721                      411038.80
3722855.26        0.01723
         411058.80    3722855.26        0.01724                      411078.80
3722855.26        0.01726
         411098.80    3722855.26        0.01728                      411118.80
3722855.26        0.01730
         411138.80    3722855.26        0.01732                      411158.80
3722855.26        0.01734
         410498.80    3722875.26        0.01685                      410518.80
3722875.26        0.01687
         410538.80    3722875.26        0.01688                      410558.80
3722875.26        0.01690
         410578.80    3722875.26        0.01692                      410598.80
3722875.26        0.01693
         410618.80    3722875.26        0.01695                      410638.80
3722875.26        0.01696
         410658.80    3722875.26        0.01698                      410678.80
3722875.26        0.01700
         410698.80    3722875.26        0.01702                      410718.80
3722875.26        0.01703
         410738.80    3722875.26        0.01705                      410758.80
3722875.26        0.01706
         410778.80    3722875.26        0.01708                      410798.80
3722875.26        0.01709
         410818.80    3722875.26        0.01710                      410838.80
3722875.26        0.01712
```

```
         410858.80    3722875.26        0.01713                      410878.80
3722875.26        0.01715
         410898.80    3722875.26        0.01717                      410918.80
3722875.26        0.01719
         410938.80    3722875.26        0.01721                      410958.80
3722875.26        0.01722
         410978.80    3722875.26        0.01723                      410998.80
3722875.26        0.01725
         411018.80    3722875.26        0.01728                      411038.80
3722875.26        0.01730
         411058.80    3722875.26        0.01731                      411078.80
3722875.26        0.01733
         411098.80    3722875.26        0.01735                      411118.80
3722875.26        0.01737
         411138.80    3722875.26        0.01739                      411158.80
3722875.26        0.01741
         411178.80    3722875.26        0.01743                      410498.80
3722895.26        0.01691
         410518.80    3722895.26        0.01693                      410538.80
3722895.26        0.01695
         410558.80    3722895.26        0.01696                      410578.80
3722895.26        0.01698
         410598.80    3722895.26        0.01699                      410618.80
3722895.26        0.01701
         410638.80    3722895.26        0.01703                      410658.80
3722895.26        0.01704
         410678.80    3722895.26        0.01706                      410698.80
3722895.26        0.01708
         410718.80    3722895.26        0.01709                      410738.80
3722895.26        0.01711
         410758.80    3722895.26        0.01713                      410778.80
3722895.26        0.01715
         410798.80    3722895.26        0.01716                      410818.80
3722895.26        0.01717
         410838.80    3722895.26        0.01718                      410858.80
3722895.26        0.01720
         410878.80    3722895.26        0.01722                      410898.80
3722895.26        0.01723
         410918.80    3722895.26        0.01725                      410938.80
3722895.26        0.01727
         410958.80    3722895.26        0.01729                      410978.80
3722895.26        0.01731
         410998.80    3722895.26        0.01732                      411018.80
3722895.26        0.01734
         411038.80    3722895.26        0.01737                      411058.80
3722895.26        0.01738
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                        ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                        ***       16:48:31
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SRCGP1 ***

INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
411078.80	3722895.26	0.01740	411098.80	3722895.26	0.01742
411118.80	3722895.26	0.01744	411138.80	3722895.26	0.01746
411158.80	3722895.26	0.01748	411178.80	3722895.26	0.01750
411198.80	3722895.26	0.01752	410498.80	3722915.26	0.01699
410518.80	3722915.26	0.01700	410538.80	3722915.26	0.01702
410558.80	3722915.26	0.01704	410578.80	3722915.26	0.01705
410598.80	3722915.26	0.01706	410618.80	3722915.26	0.01709
410638.80	3722915.26	0.01710	410658.80	3722915.26	0.01712
410678.80	3722915.26	0.01713	410698.80	3722915.26	0.01715
410718.80	3722915.26	0.01717	410738.80	3722915.26	0.01719
410758.80	3722915.26	0.01720	410778.80	3722915.26	0.01722
410798.80	3722915.26	0.01723	410818.80	3722915.26	0.01724
410838.80	3722915.26	0.01725	410858.80		

3722915.26 0.01727
410878.80 3722915.26 0.01729 410898.80
3722915.26 0.01731
410918.80 3722915.26 0.01733 410938.80
3722915.26 0.01734
410958.80 3722915.26 0.01736 410978.80
3722915.26 0.01738
410998.80 3722915.26 0.01739 411018.80
3722915.26 0.01741
411038.80 3722915.26 0.01743 411058.80
3722915.26 0.01745
411078.80 3722915.26 0.01747 411098.80
3722915.26 0.01749
411118.80 3722915.26 0.01751 411138.80
3722915.26 0.01753
411158.80 3722915.26 0.01755 411178.80
3722915.26 0.01757
411198.80 3722915.26 0.01759 411218.80
3722915.26 0.01762
410498.80 3722935.26 0.01705 410518.80
3722935.26 0.01706
410538.80 3722935.26 0.01709 410558.80
3722935.26 0.01711
410578.80 3722935.26 0.01712 410598.80
3722935.26 0.01713
410618.80 3722935.26 0.01716 410638.80
3722935.26 0.01717
410658.80 3722935.26 0.01719 410678.80
3722935.26 0.01720
410698.80 3722935.26 0.01722 410718.80
3722935.26 0.01724
410738.80 3722935.26 0.01726 410758.80
3722935.26 0.01727
410778.80 3722935.26 0.01728 410798.80
3722935.26 0.01730
410818.80 3722935.26 0.01731 410838.80
3722935.26 0.01733
410858.80 3722935.26 0.01735 410878.80
3722935.26 0.01736
410898.80 3722935.26 0.01738 410918.80
3722935.26 0.01740
410938.80 3722935.26 0.01741 410958.80
3722935.26 0.01743
410978.80 3722935.26 0.01745 410998.80
3722935.26 0.01746
411018.80 3722935.26 0.01748 411038.80
3722935.26 0.01750
411058.80 3722935.26 0.01752 411078.80
3722935.26 0.01754
411098.80 3722935.26 0.01756 411118.80

3722935.26 0.01758
411138.80 3722935.26 0.01760 411158.80
3722935.26 0.01763
411178.80 3722935.26 0.01764 411198.80
3722935.26 0.01766

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SRCGP1 ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
411218.80	3722935.26	0.01769	410498.80	3722955.26	0.01712
410518.80	3722955.26	0.01713	410538.80	3722955.26	0.01716
410558.80	3722955.26	0.01718	410578.80	3722955.26	0.01719
410598.80	3722955.26	0.01720	410618.80	3722955.26	0.01722
410638.80	3722955.26	0.01724	410658.80	3722955.26	0.01726
410678.80	3722955.26	0.01727	410698.80	3722955.26	0.01729
410718.80	3722955.26	0.01731	410738.80	3722955.26	0.01733
410758.80	3722955.26	0.01734	410778.80	3722955.26	0.01735

410798.80 3722955.26 0.01737 410818.80
3722955.26 0.01738
410838.80 3722955.26 0.01740 410858.80
3722955.26 0.01741
410878.80 3722955.26 0.01743 410898.80
3722955.26 0.01745
410918.80 3722955.26 0.01746 410938.80
3722955.26 0.01748
410958.80 3722955.26 0.01750 410978.80
3722955.26 0.01751
410998.80 3722955.26 0.01753 411018.80
3722955.26 0.01756
411038.80 3722955.26 0.01758 411058.80
3722955.26 0.01759
411078.80 3722955.26 0.01761 411098.80
3722955.26 0.01763
411118.80 3722955.26 0.01765 411138.80
3722955.26 0.01767
411158.80 3722955.26 0.01769 411178.80
3722955.26 0.01771
411198.80 3722955.26 0.01773 411218.80
3722955.26 0.01776
410498.80 3722975.26 0.01719 410518.80
3722975.26 0.01720
410538.80 3722975.26 0.01722 410558.80
3722975.26 0.01725
410578.80 3722975.26 0.01726 410598.80
3722975.26 0.01727
410618.80 3722975.26 0.01729 410638.80
3722975.26 0.01731
410658.80 3722975.26 0.01733 410678.80
3722975.26 0.01734
410698.80 3722975.26 0.01736 410718.80
3722975.26 0.01738
410738.80 3722975.26 0.01740 410758.80
3722975.26 0.01741
410778.80 3722975.26 0.01742 410798.80
3722975.26 0.01743
410818.80 3722975.26 0.01745 410838.80
3722975.26 0.01746
410858.80 3722975.26 0.01748 410878.80
3722975.26 0.01750
410898.80 3722975.26 0.01752 410918.80
3722975.26 0.01753
410938.80 3722975.26 0.01755 410958.80
3722975.26 0.01757
410978.80 3722975.26 0.01758 410998.80
3722975.26 0.01760
411018.80 3722975.26 0.01763 411038.80
3722975.26 0.01765

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1   ***
                                    INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                  L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0000013   ,
                  L0000014   , L0000015   , L0000016   , L0000017   , L0000018
, L0000019   , L0000020   , L0000021   ,
                  L0000022   , L0000023   , L0000024   , L0000025   , L0000026
, L0000027   , L0000028   , . . .   ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                    ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         413154.78   3727884.09   1.30134   413174.78
3727884.09   1.20853
         413194.78   3727884.09   1.12642   413214.78
3727884.09   1.05282
         413234.78   3727884.09   0.98660   413254.78
3727884.09   0.92651
         413274.78   3727884.09   0.87270   413294.78

```
3727884.09        0.82371
         413314.78    3727884.09        0.77917                   413334.78
3727884.09        0.73808
         413354.78    3727884.09        0.70036                   413374.78
3727884.09        0.66577
         413394.78    3727884.09        0.63292                   413414.78
3727884.09        0.59114
         413434.78    3727884.09        0.56629                   413454.78
3727884.09        0.54071
         413474.78    3727884.09        0.51677                   413494.78
3727884.09        0.49564
         413514.78    3727884.09        0.47740                   413534.78
3727884.09        0.45806
         413554.78    3727884.09        0.43920                   413574.78
3727884.09        0.42334
         413594.78    3727884.09        0.40951                   413614.78
3727884.09        0.39445
         413634.78    3727884.09        0.37975                   413654.78
3727884.09        0.36697
         413674.78    3727884.09        0.35559                   413694.78
3727884.09        0.34391
         413714.78    3727884.09        0.33267                   413734.78
3727884.09        0.32247
         413054.78    3727904.09        2.33316                   413074.78
3727904.09        2.09401
         413094.78    3727904.09        1.89369                   413114.78
3727904.09        1.72441
         413134.78    3727904.09        1.57826                   413154.78
3727904.09        1.45077
         413174.78    3727904.09        1.33898                   413194.78
3727904.09        1.24143
         413214.78    3727904.09        1.15483                   413234.78
3727904.09        1.07764
         413254.78    3727904.09        1.00815                   413274.78
3727904.09        0.94589
         413294.78    3727904.09        0.89005                   413314.78
3727904.09        0.83929
         413334.78    3727904.09        0.79286                   413354.78
3727904.09        0.75033
         413374.78    3727904.09        0.71159                   413394.78
3727904.09        0.67540
         413414.78    3727904.09        0.62962                   413434.78
3727904.09        0.60198
         413454.78    3727904.09        0.57350                   413474.78
3727904.09        0.54720
         413494.78    3727904.09        0.52387                   413514.78
3727904.09        0.50399
         413534.78    3727904.09        0.48260                   413554.78
3727904.09        0.46241
         413574.78    3727904.09        0.44490                   413594.78
```

3727904.09   0.42994
         413614.78   3727904.09   0.41356   413634.78
3727904.09   0.39809
         413654.78   3727904.09   0.38411   413674.78
3727904.09   0.37176
         413694.78   3727904.09   0.35922   413714.78
3727904.09   0.34722
         413734.78   3727904.09   0.33625   413054.78
3727924.09   2.73843
         413074.78   3727924.09   2.42955   413094.78
3727924.09   2.17301
         413114.78   3727924.09   1.96067   413134.78
3727924.09   1.78019
         413154.78   3727924.09   1.62521   413174.78
3727924.09   1.49058
         413194.78   3727924.09   1.37356   413214.78
3727924.09   1.27169
         413234.78   3727924.09   1.18122   413254.78
3727924.09   1.10065
         413274.78   3727924.09   1.02836   413294.78
3727924.09   0.96434
         413314.78   3727924.09   0.90635   413334.78
3727924.09   0.85372

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1   ***
                                    INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                 L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0000013   ,
                 L0000014   , L0000015   , L0000016   , L0000017   , L0000018
, L0000019   , L0000020   , L0000021   ,
                 L0000022   , L0000023   , L0000024   , L0000025   , L0000026
, L0000027   , L0000028   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                    ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC

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 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
         413354.78    3727924.09        0.80574                      413374.78
3727924.09        0.76224
         413394.78    3727924.09        0.72177                      413414.78
3727924.09        0.67121
         413434.78    3727924.09        0.64078                      413454.78
3727924.09        0.60936
         413474.78    3727924.09        0.58034                      413494.78
3727924.09        0.55513
         413514.78    3727924.09        0.53296                      413534.78
3727924.09        0.50962
         413554.78    3727924.09        0.48744                      413574.78
3727924.09        0.46839
         413594.78    3727924.09        0.45201                      413614.78
3727924.09        0.43432
         413634.78    3727924.09        0.41759                      413654.78
3727924.09        0.40252
         413674.78    3727924.09        0.38914                      413694.78
3727924.09        0.37560
         413714.78    3727924.09        0.36276                      413734.78
3727924.09        0.35094
         413054.78    3727944.09        3.21119                      413074.78
3727944.09        2.83088
         413094.78    3727944.09        2.50516                      413114.78
3727944.09        2.23751
         413134.78    3727944.09        2.01538                      413154.78
3727944.09        1.82650
         413174.78    3727944.09        1.66468                      413194.78
3727944.09        1.52451
         413214.78    3727944.09        1.40403                      413234.78
3727944.09        1.29803
         413254.78    3727944.09        1.20423                      413274.78
3727944.09        1.12082
         413294.78    3727944.09        1.04694                      413314.78
3727944.09        0.98083
         413334.78    3727944.09        0.92109                      413354.78
3727944.09        0.86698
         413374.78    3727944.09        0.81804                      413394.78
3727944.09        0.77262
         413414.78    3727944.09        0.71741                      413434.78
3727944.09        0.68339
         413454.78    3727944.09        0.64869                      413474.78
3727944.09        0.61674
         413494.78    3727944.09        0.58878                      413514.78
3727944.09        0.56441
         413534.78    3727944.09        0.53886                      413554.78
3727944.09        0.51479
         413574.78    3727944.09        0.49398                      413594.78
3727944.09        0.47579
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         413614.78    3727944.09        0.45654                        413634.78
3727944.09        0.43838
         413654.78    3727944.09        0.42225                        413674.78
3727944.09        0.40788
         413694.78    3727944.09        0.39319                        413714.78
3727944.09        0.37937
         413734.78    3727944.09        0.36675                        413054.78
3727964.09        3.75031
         413074.78    3727964.09        3.29560                        413094.78
3727964.09        2.88934
         413114.78    3727964.09        2.55619                        413134.78
3727964.09        2.28387
         413154.78    3727964.09        2.05534                        413174.78
3727964.09        1.86155
         413194.78    3727964.09        1.69523                        413214.78
3727964.09        1.55206
         413234.78    3727964.09        1.42819                        413254.78
3727964.09        1.31926
         413274.78    3727964.09        1.22372                        413294.78
3727964.09        1.13910
         413314.78    3727964.09        1.06358                        413334.78
3727964.09        0.99563
         413354.78    3727964.09        0.93450                        413374.78
3727964.09        0.87915
         413394.78    3727964.09        0.82838                        413414.78
3727964.09        0.76786
         413434.78    3727964.09        0.72996                        413454.78
3727964.09        0.69165
         413474.78    3727964.09        0.65652                        413494.78
3727964.09        0.62542
         413514.78    3727964.09        0.59859                        413534.78
3727964.09        0.57059
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                         ***        16:48:31

                                    PAGE 325
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1   ***
                                    INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                 L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                 L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,
```

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
413554.78	3727964.09	0.54422	413574.78	3727964.09	0.52123
413594.78	3727964.09	0.50133	413614.78	3727964.09	0.48050
413634.78	3727964.09	0.46102	413654.78	3727964.09	0.44358
413674.78	3727964.09	0.42797	413694.78	3727964.09	0.41205
413714.78	3727964.09	0.39700	413734.78	3727964.09	0.38354
413054.78	3727984.09	4.41825	413074.78	3727984.09	3.80061
413094.78	3727984.09	3.31988	413114.78	3727984.09	2.91458
413134.78	3727984.09	2.58337	413154.78	3727984.09	2.31057
413174.78	3727984.09	2.08032	413194.78	3727984.09	1.88489
413214.78	3727984.09	1.71663	413234.78	3727984.09	1.57245
413254.78	3727984.09	1.44723	413274.78	3727984.09	1.33738
413294.78	3727984.09	1.24056	413314.78	3727984.09	1.15202
413334.78	3727984.09	1.07284	413354.78	3727984.09	1.00269
413374.78	3727984.09	0.93887	413394.78	3727984.09	0.88104
413414.78	3727984.09	0.82300	413434.78	3727984.09	0.78060
413454.78	3727984.09	0.73958	413474.78	3727984.09	0.70171
413494.78	3727984.09	0.66723	413514.78	3727984.09	0.63603
413534.78	3727984.09	0.60604	413554.78	3727984.09	0.57806
413574.78	3727984.09	0.55257	413594.78	3727984.09	0.52930
413614.78	3727984.09	0.50628	413634.78		

3727984.09   0.48497
         413654.78   3727984.09   0.46635   413674.78
3727984.09   0.44939
         413694.78   3727984.09   0.43214   413714.78
3727984.09   0.41582
         413734.78   3727984.09   0.40131   413114.78
3728004.09   3.30580
         413134.78   3728004.09   2.91180   413154.78
3728004.09   2.58951
         413174.78   3728004.09   2.31993   413194.78
3728004.09   2.09216
         413214.78   3728004.09   1.89741   413234.78
3728004.09   1.73062
         413254.78   3728004.09   1.58690   413274.78
3728004.09   1.46124
         413294.78   3728004.09   1.34063   413314.78
3728004.09   1.24305
         413334.78   3728004.09   1.15763   413354.78
3728004.09   1.07848
         413374.78   3728004.09   1.00757   413394.78
3728004.09   0.94445
         413414.78   3728004.09   0.88396   413434.78
3728004.09   0.83541
         413454.78   3728004.09   0.78914   413474.78
3728004.09   0.74647
         413494.78   3728004.09   0.70859   413514.78
3728004.09   0.67530
         413534.78   3728004.09   0.64187   413554.78
3728004.09   0.61060
         413574.78   3728004.09   0.58237   413594.78
3728004.09   0.55850
         413614.78   3728004.09   0.53379   413634.78
3728004.09   0.51075
         413654.78   3728004.09   0.49063   413674.78
3728004.09   0.47224
         413694.78   3728004.09   0.45399   413714.78
3728004.09   0.43657
         413734.78   3728004.09   0.42047   413114.78
3728024.09   3.72331
         413134.78   3728024.09   3.26520   413154.78
3728024.09   2.88919

                                *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: SRCGP1 ***
INCLUDING SOURCE(S): L0000001 , L0000002
, L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010
, L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018
, L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026
, L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
413174.78	3728024.09	2.57839	413194.78	3728024.09	2.31585
413214.78	3728024.09	2.09286	413234.78	3728024.09	1.90151
413254.78	3728024.09	1.73768	413274.78	3728024.09	1.59501
413294.78	3728024.09	1.45874	413314.78	3728024.09	1.35474
413334.78	3728024.09	1.25740	413354.78	3728024.09	1.16860
413374.78	3728024.09	1.08930	413394.78	3728024.09	1.01812
413414.78	3728024.09	0.95315	413434.78	3728024.09	0.89530
413454.78	3728024.09	0.84287	413474.78	3728024.09	0.79546
413494.78	3728024.09	0.75414	413514.78	3728024.09	0.71772
413534.78	3728024.09	0.68082	413554.78	3728024.09	0.64652
413574.78	3728024.09	0.61565	413594.78	3728024.09	0.59003
413614.78	3728024.09	0.56342	413634.78	3728024.09	0.53851
413654.78	3728024.09	0.51653	413674.78	3728024.09	0.49665
413694.78	3728024.09	0.47686	413714.78	3728024.09	0.45805
413734.78	3728024.09	0.44066	413114.78	3728044.09	4.15980

413134.78 3728044.09 3.63871 413154.78
3728044.09 3.20821
413174.78 3728044.09 2.85318 413194.78
3728044.09 2.55460
413214.78 3728044.09 2.30147 413234.78
3728044.09 2.08478
413254.78 3728044.09 1.89925 413274.78
3728044.09 1.73836
413294.78 3728044.09 1.58624 413314.78
3728044.09 1.46990
413334.78 3728044.09 1.35638 413354.78
3728044.09 1.25592
413374.78 3728044.09 1.16786 413394.78
3728044.09 1.08923
413414.78 3728044.09 1.01735 413434.78
3728044.09 0.95753
413454.78 3728044.09 0.90071 413474.78
3728044.09 0.84847
413494.78 3728044.09 0.80302 413514.78
3728044.09 0.76307
413534.78 3728044.09 0.72267 413554.78
3728044.09 0.68541
413574.78 3728044.09 0.65186 413594.78
3728044.09 0.62395
413614.78 3728044.09 0.59484 413634.78
3728044.09 0.56780
413654.78 3728044.09 0.54412 413674.78
3728044.09 0.52263
413694.78 3728044.09 0.50120 413714.78
3728044.09 0.48086
413734.78 3728044.09 0.46224 413134.78
3728064.09 4.02942
413154.78 3728064.09 3.54481 413174.78
3728064.09 3.14252
413194.78 3728064.09 2.80681 413214.78
3728064.09 2.52232
413234.78 3728064.09 2.27909 413254.78
3728064.09 2.07094
413274.78 3728064.09 1.89067 413294.78
3728064.09 1.72220
413314.78 3728064.09 1.59172 413334.78
3728064.09 1.46510
413354.78 3728064.09 1.35418 413374.78
3728064.09 1.25714
413394.78 3728064.09 1.17102 413414.78
3728064.09 1.08995
413434.78 3728064.09 1.02479 413454.78
3728064.09 0.96221
413474.78 3728064.09 0.90488 413494.78
3728064.09 0.85510

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1   ***
                                   INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                  L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0000013   ,
                  L0000014   , L0000015   , L0000016   , L0000017   , L0000018
, L0000019   , L0000020   , L0000021   ,
                  L0000022   , L0000023   , L0000024   , L0000025   , L0000026
, L0000027   , L0000028   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         413514.78   3728064.09   0.81117   413534.78
3728064.09   0.76727
         413554.78   3728064.09   0.72663   413574.78
3728064.09   0.69058
         413594.78   3728064.09   0.65976   413614.78
3728064.09   0.62816
         413634.78   3728064.09   0.60010   413654.78
3728064.09   0.57463
         413674.78   3728064.09   0.55046   413694.78
3728064.09   0.52746
         413714.78   3728064.09   0.50592   413734.78
3728064.09   0.48586
         413134.78   3728084.09   4.43318   413154.78
3728084.09   3.89640
         413174.78   3728084.09   3.44619   413194.78
3728084.09   3.07108
         413214.78   3728084.09   2.75444   413234.78
3728084.09   2.48339
         413254.78   3728084.09   2.25172   413274.78
3728084.09   2.05122
         413294.78   3728084.09   1.86588   413314.78

3728084.09 1.72057
413334.78 3728084.09 1.58327 413354.78
3728084.09 1.46149
413374.78 3728084.09 1.35273 413394.78
3728084.09 1.25718
413414.78 3728084.09 1.16756 413434.78
3728084.09 1.09575
413454.78 3728084.09 1.02743 413474.78
3728084.09 0.96469
413494.78 3728084.09 0.90982 413514.78
3728084.09 0.86195
413534.78 3728084.09 0.81435 413554.78
3728084.09 0.77019
413574.78 3728084.09 0.73093 413594.78
3728084.09 0.69726
413614.78 3728084.09 0.66543 413634.78
3728084.09 0.63468
413654.78 3728084.09 0.60540 413674.78
3728084.09 0.57904
413694.78 3728084.09 0.55402 413714.78
3728084.09 0.53050
413734.78 3728084.09 0.50930 413134.78
3728104.09 4.83152
413154.78 3728104.09 4.26073 413174.78
3728104.09 3.76285
413194.78 3728104.09 3.34593 413214.78
3728104.09 2.99563
413234.78 3728104.09 2.69631 413254.78
3728104.09 2.44055
413274.78 3728104.09 2.21909 413294.78
3728104.09 2.01621
413314.78 3728104.09 1.85569 413334.78
3728104.09 1.70805
413354.78 3728104.09 1.57410 413374.78
3728104.09 1.45277
413394.78 3728104.09 1.34643 413414.78
3728104.09 1.24934
413434.78 3728104.09 1.17103 413454.78
3728104.09 1.09635
413474.78 3728104.09 1.02796 413494.78
3728104.09 0.96787
413514.78 3728104.09 0.91549 413534.78
3728104.09 0.86381
413554.78 3728104.09 0.81622 413574.78
3728104.09 0.77409
413594.78 3728104.09 0.73655 413614.78
3728104.09 0.70281
413634.78 3728104.09 0.66817 413654.78
3728104.09 0.63612
413674.78 3728104.09 0.60904 413694.78

3728104.09   0.58216
         413714.78   3728104.09   0.55686   413734.78
3728104.09   0.53490
         413174.78   3728124.09   4.08921   413194.78
3728124.09   3.63063
         413214.78   3728124.09   3.24473   413234.78
3728124.09   2.91735
         413254.78   3728124.09   2.63615   413274.78
3728124.09   2.39316

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1   ***
                                  INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                 L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0000013   ,
                 L0000014   , L0000015   , L0000016   , L0000017   , L0000018
, L0000019   , L0000020   , L0000021   ,
                 L0000022   , L0000023   , L0000024   , L0000025   , L0000026
, L0000027   , L0000028   , . . .   ,

                                     *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         413294.78   3728124.09   2.17479   413314.78
3728124.09   1.99626
         413334.78   3728124.09   1.82940   413354.78
3728124.09   1.68278
         413374.78   3728124.09   1.55317   413394.78
3728124.09   1.43968
         413414.78   3728124.09   1.33544   413434.78
3728124.09   1.24960
         413454.78   3728124.09   1.16840   413474.78
3728124.09   1.09442
         413494.78   3728124.09   1.02816   413514.78
3728124.09   0.97150

413534.78 3728124.09 0.91584 413554.78
3728124.09 0.86470
413574.78 3728124.09 0.82011 413594.78
3728124.09 0.78025
413614.78 3728124.09 0.74092 413634.78
3728124.09 0.70292
413654.78 3728124.09 0.67059 413674.78
3728124.09 0.64154
413694.78 3728124.09 0.61257 413714.78
3728124.09 0.58535
413734.78 3728124.09 0.56154 413174.78
3728144.09 4.42200
413194.78 3728144.09 3.92226 413214.78
3728144.09 3.50055
413234.78 3728144.09 3.14358 413254.78
3728144.09 2.83697
413274.78 3728144.09 2.57172 413294.78
3728144.09 2.33911
413314.78 3728144.09 2.14075 413334.78
3728144.09 1.96232
413354.78 3728144.09 1.80128 413374.78
3728144.09 1.66322
413394.78 3728144.09 1.54018 413414.78
3728144.09 1.42443
413434.78 3728144.09 1.33136 413454.78
3728144.09 1.24352
413474.78 3728144.09 1.16342 413494.78
3728144.09 1.09172
413514.78 3728144.09 1.02998 413534.78
3728144.09 0.96979
413554.78 3728144.09 0.91462 413574.78
3728144.09 0.86872
413594.78 3728144.09 0.82376 413614.78
3728144.09 0.77967
413634.78 3728144.09 0.74056 413654.78
3728144.09 0.70665
413674.78 3728144.09 0.67555 413694.78
3728144.09 0.64464
413714.78 3728144.09 0.61515 413734.78
3728144.09 0.58933
413174.78 3728164.09 4.75194 413194.78
3728164.09 4.21613
413214.78 3728164.09 3.75978 413234.78
3728164.09 3.37262
413254.78 3728164.09 3.04122 413274.78
3728164.09 2.75377
413294.78 3728164.09 2.50415 413314.78
3728164.09 2.28862
413334.78 3728164.09 2.09741 413354.78
3728164.09 1.92849

```
         413374.78    3728164.09        1.77608                      413394.78
3728164.09        1.64247
         413414.78    3728164.09        1.51656                      413434.78
3728164.09        1.41566
         413454.78    3728164.09        1.32122                      413474.78
3728164.09        1.23485
         413494.78    3728164.09        1.15695                      413514.78
3728164.09        1.09045
         413534.78    3728164.09        1.02692                      413554.78
3728164.09        0.96878
         413574.78    3728164.09        0.91769                      413594.78
3728164.09        0.86683
         413614.78    3728164.09        0.82132                      413634.78
3728164.09        0.78034
         413654.78    3728164.09        0.74390                      413674.78
3728164.09        0.71037
         413694.78    3728164.09        0.67736                      413714.78
3728164.09        0.64618
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***       05/26/20
 *** AERMET - VERSION  16216 ***   ***
                         ***       16:48:31

                                   PAGE 329
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1   ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)   Y-COORD (M)        CONC                      X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -
         413734.78    3728164.09        0.61778                      413174.78
3728184.09        5.05751
         413194.78    3728184.09        4.50874                      413214.78
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3728184.09        4.01976
         413234.78    3728184.09        3.60310                    413254.78
3728184.09        3.24703
         413274.78    3728184.09        2.93813                    413294.78
3728184.09        2.67097
         413314.78    3728184.09        2.43866                    413334.78
3728184.09        2.23375
         413354.78    3728184.09        2.05282                    413374.78
3728184.09        1.88935
         413394.78    3728184.09        1.74380                    413414.78
3728184.09        1.61156
         413434.78    3728184.09        1.50246                    413454.78
3728184.09        1.40076
         413474.78    3728184.09        1.30815                    413494.78
3728184.09        1.22450
         413514.78    3728184.09        1.15126                    413534.78
3728184.09        1.08708
         413554.78    3728184.09        1.02484                    413574.78
3728184.09        0.96595
         413594.78    3728184.09        0.91222                    413614.78
3728184.09        0.86561
         413634.78    3728184.09        0.82235                    413654.78
3728184.09        0.78217
         413674.78    3728184.09        0.74623                    413694.78
3728184.09        0.71088
         413714.78    3728184.09        0.67748                    413734.78
3728184.09        0.64725
         413174.78    3728204.09        5.38307                    413194.78
3728204.09        4.78913
         413214.78    3728204.09        4.27664                    413234.78
3728204.09        3.83280
         413254.78    3728204.09        3.45229                    413274.78
3728204.09        3.12314
         413294.78    3728204.09        2.83850                    413314.78
3728204.09        2.58917
         413334.78    3728204.09        2.36774                    413354.78
3728204.09        2.17290
         413374.78    3728204.09        2.00050                    413394.78
3728204.09        1.84792
         413414.78    3728204.09        1.70765                    413434.78
3728204.09        1.59066
         413454.78    3728204.09        1.48212                    413474.78
3728204.09        1.38340
         413494.78    3728204.09        1.29571                    413514.78
3728204.09        1.21635
         413534.78    3728204.09        1.14698                    413554.78
3728204.09        1.07849
         413574.78    3728204.09        1.01531                    413594.78
3728204.09        0.96092
         413614.78    3728204.09        0.91144                    413634.78
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3728204.09        0.86453
         413654.78    3728204.09        0.82127                        413674.78
3728204.09        0.78295
         413694.78    3728204.09        0.74532                        413714.78
3728204.09        0.71027
         413734.78    3728204.09        0.67869                        413234.78
3728224.09        4.05808
         413254.78    3728224.09        3.65507                        413274.78
3728224.09        3.30698
         413294.78    3728224.09        3.00433                        413314.78
3728224.09        2.73928
         413334.78    3728224.09        2.50520                        413354.78
3728224.09        2.29764
         413374.78    3728224.09        2.11634                        413394.78
3728224.09        1.95503
         413414.78    3728224.09        1.80460                        413434.78
3728224.09        1.68100
         413454.78    3728224.09        1.56541                        413474.78
3728224.09        1.46107
         413494.78    3728224.09        1.36683                        413514.78
3728224.09        1.28512
         413534.78    3728224.09        1.20690                        413554.78
3728224.09        1.13275
         413574.78    3728224.09        1.06801                        413594.78
3728224.09        1.01075
         413614.78    3728224.09        0.95909                        413634.78
3728224.09        0.90882
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***       05/26/20
 *** AERMET - VERSION  16216 ***   ***
                         ***       16:48:31

                                   PAGE 330
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1   ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                              ** CONC OF PM_10    IN MICROGRAMS/M**3
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**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
413654.78	3728224.09	0.86152	413674.78	3728224.09	0.82073
413694.78	3728224.09	0.78167	413714.78	3728224.09	0.74471
413734.78	3728224.09	0.71020	413234.78	3728244.09	4.27709
413254.78	3728244.09	3.85326	413274.78	3728244.09	3.48701
413294.78	3728244.09	3.16793	413314.78	3728244.09	2.88814
413334.78	3728244.09	2.64078	413354.78	3728244.09	2.42536
413374.78	3728244.09	2.23280	413394.78	3728244.09	2.06079
413414.78	3728244.09	1.90233	413434.78	3728244.09	1.76962
413454.78	3728244.09	1.64958	413474.78	3728244.09	1.54062
413494.78	3728244.09	1.44256	413514.78	3728244.09	1.35145
413534.78	3728244.09	1.26519	413554.78	3728244.09	1.18947
413574.78	3728244.09	1.12302	413594.78	3728244.09	1.06164
413614.78	3728244.09	1.00611	413634.78	3728244.09	0.95149
413654.78	3728244.09	0.90255	413674.78	3728244.09	0.85931
413694.78	3728244.09	0.81725	413714.78	3728244.09	0.77702
413734.78	3728244.09	0.74080	413234.78	3728264.09	4.48231
413254.78	3728264.09	4.04500	413274.78	3728264.09	3.66189
413294.78	3728264.09	3.32841	413314.78	3728264.09	3.03542
413334.78	3728264.09	2.77594	413354.78	3728264.09	2.55063
413374.78	3728264.09	2.34878	413394.78	3728264.09	2.16595
413414.78	3728264.09	1.99764	413434.78	3728264.09	1.85688
413454.78	3728264.09	1.72882	413474.78	3728264.09	1.61737

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         413494.78    3728264.09        1.51441                        413514.78
3728264.09        1.41506
         413534.78    3728264.09        1.32635                        413554.78
3728264.09        1.24897
         413574.78    3728264.09        1.17810                        413594.78
3728264.09        1.11447
         413614.78    3728264.09        1.05142                        413634.78
3728264.09        0.99462
         413654.78    3728264.09        0.94440                        413674.78
3728264.09        0.89869
         413694.78    3728264.09        0.85424                        413714.78
3728264.09        0.81225
         413734.78    3728264.09        0.77510                        413234.78
3728284.09        4.68072
         413254.78    3728284.09        4.22872                        413274.78
3728284.09        3.83045
         413294.78    3728284.09        3.48303                        413314.78
3728284.09        3.17897
         413334.78    3728284.09        2.91028                        413354.78
3728284.09        2.67246
         413374.78    3728284.09        2.45751                        413394.78
3728284.09        2.26801
         413414.78    3728284.09        2.09883                        413434.78
3728284.09        1.94992
         413454.78    3728284.09        1.81504                        413474.78
3728284.09        1.69760
         413494.78    3728284.09        1.58560                        413514.78
3728284.09        1.48246
         413534.78    3728284.09        1.39107                        413554.78
3728284.09        1.30834
         413574.78    3728284.09        1.23470                        413594.78
3728284.09        1.16456
         413614.78    3728284.09        1.09828                        413634.78
3728284.09        1.04018
         413654.78    3728284.09        0.98654                        413674.78
3728284.09        0.93830
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***       05/26/20
 *** AERMET - VERSION  16216 ***   ***
                          ***       16:48:31

                                    PAGE 331
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1   ***
                                    INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
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                 L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                 L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         413694.78    3728284.09        0.89209                      413714.78
3728284.09        0.84882
         413734.78    3728284.09        0.80913                      413254.78
3728304.09        4.40051
         413274.78    3728304.09        3.99239                      413294.78
3728304.09        3.63286
         413314.78    3728304.09        3.31603                      413334.78
3728304.09        3.03770
         413354.78    3728304.09        2.79123                      413374.78
3728304.09        2.57127
         413394.78    3728304.09        2.37415                      413414.78
3728304.09        2.19740
         413434.78    3728304.09        2.04116                      413454.78
3728304.09        1.90045
         413474.78    3728304.09        1.77433                      413494.78
3728304.09        1.65787
         413514.78    3728304.09        1.55163                      413534.78
3728304.09        1.45571
         413554.78    3728304.09        1.36847                      413574.78
3728304.09        1.29003
         413594.78    3728304.09        1.21580                      413614.78
3728304.09        1.14789
         413634.78    3728304.09        1.08709                      413654.78
3728304.09        1.03056
         413674.78    3728304.09        0.97847                      413694.78
3728304.09        0.92990
         413714.78    3728304.09        0.88474                      413734.78
3728304.09        0.84277
         413254.78    3728324.09        4.57260                      413274.78
3728324.09        4.14697
         413294.78    3728324.09        3.77270                      413314.78
3728324.09        3.45191
         413334.78    3728324.09        3.15932                      413354.78
3728324.09        2.90202
         413374.78    3728324.09        2.67675                      413394.78
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3728324.09        2.47437
         413414.78    3728324.09        2.29349                    413434.78
3728324.09        2.13032
         413454.78    3728324.09        1.98320                    413474.78
3728324.09        1.85025
         413494.78    3728324.09        1.72952                    413514.78
3728324.09        1.61956
         413534.78    3728324.09        1.51944                    413554.78
3728324.09        1.42809
         413574.78    3728324.09        1.34439                    413594.78
3728324.09        1.26782
         413614.78    3728324.09        1.19772                    413634.78
3728324.09        1.13319
         413654.78    3728324.09        1.07352                    413674.78
3728324.09        1.01828
         413694.78    3728324.09        0.96736                    413714.78
3728324.09        0.91986
         413734.78    3728324.09        0.87592                    413254.78
3728344.09        4.72834
         413274.78    3728344.09        4.29510                    413294.78
3728344.09        3.91559
         413314.78    3728344.09        3.57501                    413334.78
3728344.09        3.28115
         413354.78    3728344.09        3.01946                    413374.78
3728344.09        2.78134
         413394.78    3728344.09        2.56979                    413414.78
3728344.09        2.38122
         413434.78    3728344.09        2.21281                    413454.78
3728344.09        2.06104
         413474.78    3728344.09        1.92484                    413494.78
3728344.09        1.79911
         413514.78    3728344.09        1.68196                    413534.78
3728344.09        1.57706
         413554.78    3728344.09        1.48208                    413574.78
3728344.09        1.39541
         413594.78    3728344.09        1.31548                    413614.78
3728344.09        1.24332
         413634.78    3728344.09        1.17645                    413654.78
3728344.09        1.11454
         413674.78    3728344.09        1.05726                    413694.78
3728344.09        1.00503
         413714.78    3728344.09        0.95645                    413734.78
3728344.09        0.91050
         413254.78    3728364.09        4.87411                    413274.78
3728364.09        4.43273
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                        ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        16:48:31
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SRCGP1 ***

INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
413294.78	3728364.09	4.04480	413314.78	3728364.09	3.70139
413334.78	3728364.09	3.39746	413354.78	3728364.09	3.12407
413374.78	3728364.09	2.88135	413394.78	3728364.09	2.66703
413414.78	3728364.09	2.47422	413434.78	3728364.09	2.29957
413454.78	3728364.09	2.14153	413474.78	3728364.09	1.99844
413494.78	3728364.09	1.86847	413514.78	3728364.09	1.74997
413534.78	3728364.09	1.64203	413554.78	3728364.09	1.54331
413574.78	3728364.09	1.45286	413594.78	3728364.09	1.36982
413614.78	3728364.09	1.29343	413634.78	3728364.09	1.22307
413654.78	3728364.09	1.15809	413674.78	3728364.09	1.09778
413694.78	3728364.09	1.04186	413714.78	3728364.09	0.99072
413734.78	3728364.09	0.94410	413254.78	3728384.09	5.00828
413274.78	3728384.09	4.56060	413294.78	3728384.09	4.16620

413314.78 3728384.09 3.81615 413334.78
3728384.09 3.50468
413354.78 3728384.09 3.22808 413374.78
3728384.09 2.98127
413394.78 3728384.09 2.75954 413414.78
3728384.09 2.55972
413434.78 3728384.09 2.37948 413454.78
3728384.09 2.21671
413474.78 3728384.09 2.06958 413494.78
3728384.09 1.93550
413514.78 3728384.09 1.81311 413534.78
3728384.09 1.70170
413554.78 3728384.09 1.59979 413574.78
3728384.09 1.50636
413594.78 3728384.09 1.42054 413614.78
3728384.09 1.34156
413634.78 3728384.09 1.26874 413654.78
3728384.09 1.20151
413674.78 3728384.09 1.13931 413694.78
3728384.09 1.08160
413714.78 3728384.09 1.02807 413734.78
3728384.09 0.97838
413254.78 3728404.09 5.12814 413274.78
3728404.09 4.67863
413294.78 3728404.09 4.27877 413314.78
3728404.09 3.92409
413334.78 3728404.09 3.60710 413354.78
3728404.09 3.32473
413374.78 3728404.09 3.07247 413394.78
3728404.09 2.84597
413414.78 3728404.09 2.64156 413434.78
3728404.09 2.45655
413454.78 3728404.09 2.28922 413474.78
3728404.09 2.13818
413494.78 3728404.09 2.00038 413514.78
3728404.09 1.87434
413534.78 3728404.09 1.75965 413554.78
3728404.09 1.65451
413574.78 3728404.09 1.55801 413594.78
3728404.09 1.46947
413614.78 3728404.09 1.38785 413634.78
3728404.09 1.31262
413654.78 3728404.09 1.24306 413674.78
3728404.09 1.17868
413694.78 3728404.09 1.11899 413714.78
3728404.09 1.06361
413734.78 3728404.09 1.01211 413294.78
3728424.09 4.38309
413314.78 3728424.09 4.02418 413334.78
3728424.09 3.70356

                              *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1   ***
                                  INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                  L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0000013   ,
                  L0000014   , L0000015   , L0000016   , L0000017   , L0000018
, L0000019   , L0000020   , L0000021   ,
                  L0000022   , L0000023   , L0000024   , L0000025   , L0000026
, L0000027   , L0000028   , . . .   ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                 **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         413434.78   3728424.09   2.53051   413454.78
3728424.09   2.35918
         413474.78   3728424.09   2.20446   413494.78
3728424.09   2.06331
         413514.78   3728424.09   1.93426   413534.78
3728424.09   1.81631
         413554.78   3728424.09   1.70817   413574.78
3728424.09   1.60890
         413594.78   3728424.09   1.51759   413614.78
3728424.09   1.43345
         413634.78   3728424.09   1.35578   413654.78
3728424.09   1.28397
         413674.78   3728424.09   1.21749   413694.78
3728424.09   1.15583
         413714.78   3728424.09   1.09857   413734.78
3728424.09   1.04532
         413294.78   3728444.09   4.47803   413314.78

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3728444.09        4.11625
         413334.78    3728444.09        3.79274                    413354.78
3728444.09        3.50188
         413374.78    3728444.09        3.24048                    413394.78
3728444.09        3.00545
         413414.78    3728444.09        2.79382                    413434.78
3728444.09        2.60090
         413454.78    3728444.09        2.42620                    413474.78
3728444.09        2.26796
         413494.78    3728444.09        2.12376                    413514.78
3728444.09        1.99162
         413534.78    3728444.09        1.87069                    413554.78
3728444.09        1.75980
         413574.78    3728444.09        1.65793                    413594.78
3728444.09        1.56413
         413614.78    3728444.09        1.47764                    413634.78
3728444.09        1.39777
         413654.78    3728444.09        1.32395                    413674.78
3728444.09        1.25542
         413694.78    3728444.09        1.19183                    413714.78
3728444.09        1.13276
         413734.78    3728444.09        1.07800                    413294.78
3728464.09        4.56551
         413314.78    3728464.09        4.20099                    413334.78
3728464.09        3.87466
         413354.78    3728464.09        3.58137                    413374.78
3728464.09        3.31637
         413394.78    3728464.09        3.07839                    413414.78
3728464.09        2.86352
         413434.78    3728464.09        2.66774                    413454.78
3728464.09        2.48980
         413474.78    3728464.09        2.32846                    413494.78
3728464.09        2.18142
         413514.78    3728464.09        2.04622                    413534.78
3728464.09        1.92256
         413554.78    3728464.09        1.80905                    413574.78
3728464.09        1.70481
         413594.78    3728464.09        1.60884                    413614.78
3728464.09        1.52024
         413634.78    3728464.09        1.43856                    413654.78
3728464.09        1.36284
         413674.78    3728464.09        1.29242                    413694.78
3728464.09        1.22702
         413714.78    3728464.09        1.16625                    413734.78
3728464.09        1.11002
         413314.78    3728484.09        4.27687                    413334.78
3728484.09        3.94917
         413354.78    3728484.09        3.65414                    413374.78
3728484.09        3.38716
         413394.78    3728484.09        3.14657                    413414.78
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```
3728484.09        2.92853
         413434.78    3728484.09        2.73051                          413454.78
3728484.09        2.55032
         413474.78    3728484.09        2.38609                          413494.78
3728484.09        2.23605
         413514.78    3728484.09        2.09800                          413534.78
3728484.09        1.97114
         413554.78    3728484.09        1.85472                          413574.78
3728484.09        1.74905
         413594.78    3728484.09        1.64987                          413614.78
3728484.09        1.56074
         413634.78    3728484.09        1.47798                          413654.78
3728484.09        1.40049
↑ *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                         ***       05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***       16:48:31

                                  PAGE 334
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1   ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                 L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                 L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

       X-COORD (M)   Y-COORD (M)        CONC                           X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
         413674.78    3728484.09        1.32827                          413694.78
3728484.09        1.26122
         413714.78    3728484.09        1.19892                          413734.78
3728484.09        1.14113
         413334.78    3728504.09        4.01585                          413354.78
3728504.09        3.71963
         413374.78    3728504.09        3.45191                          413394.78
3728504.09        3.20844
```

413414.78 3728504.09 2.98785 413434.78
3728504.09 2.78782
413454.78 3728504.09 2.60532 413474.78
3728504.09 2.43919
413494.78 3728504.09 2.28743 413514.78
3728504.09 2.14710
413534.78 3728504.09 2.01802 413554.78
3728504.09 1.90133
413574.78 3728504.09 1.79341 413594.78
3728504.09 1.69197
413614.78 3728504.09 1.60043 413634.78
3728504.09 1.51585
413654.78 3728504.09 1.43674 413674.78
3728504.09 1.36285
413694.78 3728504.09 1.29422 413714.78
3728504.09 1.23057
413734.78 3728504.09 1.17145 413334.78
3728524.09 4.07454
413354.78 3728524.09 3.77782 413374.78
3728524.09 3.50963
413394.78 3728524.09 3.26546 413414.78
3728524.09 3.04298
413434.78 3728524.09 2.84085 413454.78
3728524.09 2.65601
413474.78 3728524.09 2.48921 413494.78
3728524.09 2.33520
413514.78 3728524.09 2.19388 413534.78
3728524.09 2.06403
413554.78 3728524.09 1.94462 413574.78
3728524.09 1.83398
413594.78 3728524.09 1.73060 413614.78
3728524.09 1.63849
413634.78 3728524.09 1.55212 413654.78
3728524.09 1.47144
413674.78 3728524.09 1.39616 413694.78
3728524.09 1.32610
413714.78 3728524.09 1.26125 413734.78
3728524.09 1.20076
413334.78 3728544.09 4.12561 413354.78
3728544.09 3.82883
413374.78 3728544.09 3.56032 413394.78
3728544.09 3.31605
413414.78 3728544.09 3.09252 413434.78
3728544.09 2.88859
413454.78 3728544.09 2.70369 413474.78
3728544.09 2.53516
413494.78 3728544.09 2.37879 413514.78
3728544.09 2.23599
413534.78 3728544.09 2.10482 413554.78
3728544.09 1.98335

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         413574.78    3728544.09        1.87110                      413594.78
3728544.09        1.76949
         413614.78    3728544.09        1.67476                      413634.78
3728544.09        1.58648
         413654.78    3728544.09        1.50441                      413674.78
3728544.09        1.42776
         413694.78    3728544.09        1.35650                      413714.78
3728544.09        1.29026
         413734.78    3728544.09        1.22864                      413374.78
3728564.09        3.60377
         413394.78    3728564.09        3.35896                      413414.78
3728564.09        3.13566
         413434.78    3728564.09        2.93155                      413454.78
3728564.09        2.74673
         413474.78    3728564.09        2.57624                      413494.78
3728564.09        2.41853
         413514.78    3728564.09        2.27419                      413534.78
3728564.09        2.14180
         413554.78    3728564.09        2.02105                      413574.78
3728564.09        1.90904
         413594.78    3728564.09        1.80494                      413614.78
3728564.09        1.70838
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                        ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        16:48:31

                                  PAGE 335
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1   ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                         X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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- - - - - - - - - - - - - - - - - - - - - - -
         413634.78    3728564.09        1.61883                             413654.78
3728564.09        1.53552
         413674.78    3728564.09        1.45785                             413694.78
3728564.09        1.38558
         413714.78    3728564.09        1.31787                             413734.78
3728564.09        1.25393
         413374.78    3728584.09        3.63926                             413394.78
3728584.09        3.39544
         413414.78    3728584.09        3.17252                             413434.78
3728584.09        2.96931
         413454.78    3728584.09        2.78429                             413474.78
3728584.09        2.61229
         413494.78    3728584.09        2.45487                             413514.78
3728584.09        2.31111
         413534.78    3728584.09        2.17842                             413554.78
3728584.09        2.05580
         413574.78    3728584.09        1.94233                             413594.78
3728584.09        1.83711
         413614.78    3728584.09        1.73950                             413634.78
3728584.09        1.64878
         413654.78    3728584.09        1.56448                             413674.78
3728584.09        1.48585
         413694.78    3728584.09        1.41006                             413714.78
3728584.09        1.33854
         413734.78    3728584.09        1.27480                             413374.78
3728604.09        3.66831
         413394.78    3728604.09        3.42377                             413414.78
3728604.09        3.20300
         413434.78    3728604.09        3.00166                             413454.78
3728604.09        2.81609
         413474.78    3728604.09        2.64423                             413494.78
3728604.09        2.48741
         413514.78    3728604.09        2.34315                             413534.78
3728604.09        2.20979
         413554.78    3728604.09        2.08646                             413574.78
3728604.09        1.97213
         413594.78    3728604.09        1.86608                             413614.78
3728604.09        1.76769
         413634.78    3728604.09        1.67595                             413654.78
3728604.09        1.58623
         413674.78    3728604.09        1.50154                             413694.78
3728604.09        1.42735
         413714.78    3728604.09        1.35988                             413734.78
3728604.09        1.29724
         413414.78    3728624.09        3.22839                             413434.78
3728624.09        3.02628
         413454.78    3728624.09        2.84226                             413474.78
3728624.09        2.67184
         413494.78    3728624.09        2.51497                             413514.78
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3728624.09        2.37054
         413534.78    3728624.09        2.23685                        413554.78
3728624.09        2.11306
         413574.78    3728624.09        1.99831                        413594.78
3728624.09        1.89156
         413614.78    3728624.09        1.78494                        413634.78
3728624.09        1.68504
         413654.78    3728624.09        1.59894                        413674.78
3728624.09        1.52126
         413694.78    3728624.09        1.44913                        413714.78
3728624.09        1.38201
         413734.78    3728624.09        1.31973                        413414.78
3728644.09        3.24428
         413434.78    3728644.09        3.04443                        413454.78
3728644.09        2.86148
         413474.78    3728644.09        2.69311                        413494.78
3728644.09        2.53716
         413514.78    3728644.09        2.39297                        413534.78
3728644.09        2.25917
         413554.78    3728644.09        2.13499                        413574.78
3728644.09        2.00873
         413594.78    3728644.09        1.89098                        413614.78
3728644.09        1.79417
         413634.78    3728644.09        1.70315                        413654.78
3728644.09        1.61908
         413674.78    3728644.09        1.54217                        413694.78
3728644.09        1.47100
         413714.78    3728644.09        1.40571                        413734.78
3728644.09        1.34534
         413414.78    3728664.09        3.25341                        413434.78
3728664.09        3.05551
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                         ***        16:48:31

                                    PAGE 336
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1   ***
                                    INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
413454.78	3728664.09	2.87196	413474.78	3728664.09	2.70791
413494.78	3728664.09	2.55152	413514.78	3728664.09	2.40709
413534.78	3728664.09	2.25905	413554.78	3728664.09	2.13815
413574.78	3728664.09	2.04764	413594.78	3728664.09	1.92829
413614.78	3728664.09	1.82191	413634.78	3728664.09	1.72355
413654.78	3728664.09	1.63952	413674.78	3728664.09	1.56636
413694.78	3728664.09	1.50010	413714.78	3728664.09	1.43166
413734.78	3728664.09	1.36540	413414.78	3728684.09	3.25394
413434.78	3728684.09	3.06009	413454.78	3728684.09	2.88035
413474.78	3728684.09	2.71293	413494.78	3728684.09	2.53928
413514.78	3728684.09	2.47659	413534.78	3728684.09	2.34424
413554.78	3728684.09	2.22242	413574.78	3728684.09	2.10935
413594.78	3728684.09	1.96866	413614.78	3728684.09	1.83590
413634.78	3728684.09	1.74401	413654.78	3728684.09	1.67136
413674.78	3728684.09	1.59441	413694.78	3728684.09	1.51946
413714.78	3728684.09	1.44880	413734.78	3728684.09	1.38126
410427.04	3723000.34	0.01722	410447.04	3723000.34	0.01723
410467.04	3723000.34	0.01725	410487.04	3723000.34	0.01727
410507.04	3723000.34	0.01728	410527.04	3723000.34	0.01730
410547.04	3723000.34	0.01732	410567.04	3723000.34	0.01734

```
         410587.04    3723000.34        0.01735                        410607.04
3723000.34        0.01737
         410627.04    3723000.34        0.01739                        410647.04
3723000.34        0.01741
         410667.04    3723000.34        0.01742                        410687.04
3723000.34        0.01744
         410707.04    3723000.34        0.01746                        410727.04
3723000.34        0.01747
         410747.04    3723000.34        0.01749                        410767.04
3723000.34        0.01750
         410787.04    3723000.34        0.01752                        410807.04
3723000.34        0.01753
         410827.04    3723000.34        0.01755                        410847.04
3723000.34        0.01757
         410867.04    3723000.34        0.01759                        410887.04
3723000.34        0.01760
         410907.04    3723000.34        0.01762                        410927.04
3723000.34        0.01764
         410947.04    3723000.34        0.01765                        410967.04
3723000.34        0.01767
         410987.04    3723000.34        0.01769                        411007.04
3723000.34        0.01771
         411027.04    3723000.34        0.01773                        411047.04
3723000.34        0.01775
         411067.04    3723000.34        0.01777                        411087.04
3723000.34        0.01779
         411107.04    3723000.34        0.01781                        411127.04
3723000.34        0.01783
         411147.04    3723000.34        0.01785                        411167.04
3723000.34        0.01787
         411187.04    3723000.34        0.01789                        411207.04
3723000.34        0.01791
         411227.04    3723000.34        0.01793                        411327.04
3723000.34        0.01805
         410427.04    3723020.34        0.01729                        410447.04
3723020.34        0.01731
         410467.04    3723020.34        0.01732                        410487.04
3723020.34        0.01733
         410507.04    3723020.34        0.01735                        410527.04
3723020.34        0.01737
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                        ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                        ***       16:48:31

                                  PAGE 337
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1   ***
```

```
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         410547.04    3723020.34        0.01738                       410567.04
3723020.34        0.01740
         410587.04    3723020.34        0.01742                       410607.04
3723020.34        0.01744
         410627.04    3723020.34        0.01745                       410647.04
3723020.34        0.01747
         410667.04    3723020.34        0.01749                       410687.04
3723020.34        0.01751
         410707.04    3723020.34        0.01752                       410727.04
3723020.34        0.01754
         410747.04    3723020.34        0.01756                       410767.04
3723020.34        0.01757
         410787.04    3723020.34        0.01759                       410807.04
3723020.34        0.01760
         410827.04    3723020.34        0.01762                       410847.04
3723020.34        0.01764
         410867.04    3723020.34        0.01766                       410887.04
3723020.34        0.01767
         410907.04    3723020.34        0.01769                       410927.04
3723020.34        0.01771
         410947.04    3723020.34        0.01773                       410967.04
3723020.34        0.01775
         410987.04    3723020.34        0.01777                       411007.04
3723020.34        0.01778
         411027.04    3723020.34        0.01780                       411047.04
3723020.34        0.01782
         411067.04    3723020.34        0.01784                       411087.04
3723020.34        0.01786
         411107.04    3723020.34        0.01788                       411127.04
3723020.34        0.01790
         411147.04    3723020.34        0.01792                       411167.04
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3723020.34        0.01794
         411187.04    3723020.34        0.01796                    411207.04
3723020.34        0.01798
         411227.04    3723020.34        0.01800                    410427.04
3723040.34        0.01737
         410447.04    3723040.34        0.01737                    410467.04
3723040.34        0.01739
         410487.04    3723040.34        0.01741                    410507.04
3723040.34        0.01742
         410527.04    3723040.34        0.01744                    410547.04
3723040.34        0.01746
         410567.04    3723040.34        0.01747                    410587.04
3723040.34        0.01749
         410607.04    3723040.34        0.01751                    410627.04
3723040.34        0.01752
         410647.04    3723040.34        0.01754                    410667.04
3723040.34        0.01756
         410687.04    3723040.34        0.01757                    410707.04
3723040.34        0.01759
         410727.04    3723040.34        0.01761                    410747.04
3723040.34        0.01763
         410767.04    3723040.34        0.01764                    410787.04
3723040.34        0.01766
         410807.04    3723040.34        0.01768                    410827.04
3723040.34        0.01769
         410847.04    3723040.34        0.01771                    410867.04
3723040.34        0.01773
         410887.04    3723040.34        0.01775                    410907.04
3723040.34        0.01777
         410927.04    3723040.34        0.01778                    410947.04
3723040.34        0.01780
         410967.04    3723040.34        0.01782                    410987.04
3723040.34        0.01784
         411007.04    3723040.34        0.01786                    411027.04
3723040.34        0.01788
         411047.04    3723040.34        0.01790                    411067.04
3723040.34        0.01792
         411087.04    3723040.34        0.01794                    411107.04
3723040.34        0.01796
         411127.04    3723040.34        0.01798                    411147.04
3723040.34        0.01800
         411167.04    3723040.34        0.01802                    411187.04
3723040.34        0.01804
         411207.04    3723040.34        0.01806                    411227.04
3723040.34        0.01808
         410427.04    3723060.34        0.01743                    410447.04
3723060.34        0.01744
         410467.04    3723060.34        0.01746                    410487.04
3723060.34        0.01748
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SRCGP1 ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
410507.04	3723060.34	0.01750	410527.04	3723060.34	0.01751
410547.04	3723060.34	0.01753	410567.04	3723060.34	0.01755
410587.04	3723060.34	0.01757	410607.04	3723060.34	0.01758
410627.04	3723060.34	0.01760	410647.04	3723060.34	0.01762
410667.04	3723060.34	0.01764	410687.04	3723060.34	0.01765
410707.04	3723060.34	0.01767	410727.04	3723060.34	0.01769
410747.04	3723060.34	0.01771	410767.04	3723060.34	0.01772
410787.04	3723060.34	0.01773	410807.04	3723060.34	0.01775
410827.04	3723060.34	0.01776	410847.04	3723060.34	0.01778
410867.04	3723060.34	0.01780	410887.04	3723060.34	0.01782
410907.04	3723060.34	0.01783	410927.04	3723060.34	0.01785

410947.04 3723060.34 0.01787 410967.04
3723060.34 0.01789
410987.04 3723060.34 0.01791 411007.04
3723060.34 0.01793
411027.04 3723060.34 0.01795 411047.04
3723060.34 0.01796
411067.04 3723060.34 0.01798 411087.04
3723060.34 0.01800
411107.04 3723060.34 0.01802 411127.04
3723060.34 0.01804
411147.04 3723060.34 0.01807 411167.04
3723060.34 0.01809
411187.04 3723060.34 0.01811 411207.04
3723060.34 0.01813
411227.04 3723060.34 0.01815 411247.04
3723060.34 0.01817
411267.04 3723060.34 0.01820 411287.04
3723060.34 0.01822
410427.04 3723080.34 0.01749 410447.04
3723080.34 0.01751
410467.04 3723080.34 0.01753 410487.04
3723080.34 0.01755
410507.04 3723080.34 0.01757 410527.04
3723080.34 0.01758
410547.04 3723080.34 0.01760 410567.04
3723080.34 0.01762
410587.04 3723080.34 0.01764 410607.04
3723080.34 0.01765
410627.04 3723080.34 0.01767 410647.04
3723080.34 0.01769
410667.04 3723080.34 0.01771 410687.04
3723080.34 0.01773
410707.04 3723080.34 0.01775 410727.04
3723080.34 0.01777
410747.04 3723080.34 0.01778 410767.04
3723080.34 0.01779
410787.04 3723080.34 0.01780 410807.04
3723080.34 0.01782
410827.04 3723080.34 0.01783 410847.04
3723080.34 0.01785
410867.04 3723080.34 0.01787 410887.04
3723080.34 0.01789
410907.04 3723080.34 0.01790 410927.04
3723080.34 0.01793
410947.04 3723080.34 0.01795 410967.04
3723080.34 0.01796
410987.04 3723080.34 0.01798 411007.04
3723080.34 0.01800
411027.04 3723080.34 0.01802 411047.04
3723080.34 0.01804

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SRCGP1 ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
411227.04	3723080.34	0.01822	411247.04	3723080.34	0.01825
411267.04	3723080.34	0.01827	411287.04	3723080.34	0.01830
410427.04	3723100.34	0.01756	410447.04	3723100.34	0.01758
410467.04	3723100.34	0.01760	410487.04	3723100.34	0.01762
410507.04	3723100.34	0.01764	410527.04	3723100.34	0.01766
410547.04	3723100.34	0.01768	410567.04	3723100.34	0.01769
410587.04	3723100.34	0.01771	410607.04		

3723100.34 0.01772
410627.04 3723100.34 0.01774 410647.04
3723100.34 0.01776
410667.04 3723100.34 0.01778 410687.04
3723100.34 0.01780
410707.04 3723100.34 0.01782 410727.04
3723100.34 0.01783
410747.04 3723100.34 0.01786 410767.04
3723100.34 0.01786
410787.04 3723100.34 0.01788 410807.04
3723100.34 0.01790
410827.04 3723100.34 0.01791 410847.04
3723100.34 0.01793
410867.04 3723100.34 0.01795 410887.04
3723100.34 0.01797
410907.04 3723100.34 0.01798 410927.04
3723100.34 0.01801
410947.04 3723100.34 0.01803 410967.04
3723100.34 0.01804
410987.04 3723100.34 0.01806 411007.04
3723100.34 0.01808
411027.04 3723100.34 0.01810 411047.04
3723100.34 0.01812
411067.04 3723100.34 0.01814 411087.04
3723100.34 0.01816
411107.04 3723100.34 0.01818 411127.04
3723100.34 0.01820
411147.04 3723100.34 0.01822 411167.04
3723100.34 0.01825
411187.04 3723100.34 0.01826 411207.04
3723100.34 0.01828
411227.04 3723100.34 0.01830 411247.04
3723100.34 0.01833
411267.04 3723100.34 0.01834 411287.04
3723100.34 0.01837
411307.04 3723100.34 0.01840 410427.04
3723120.34 0.01763
410447.04 3723120.34 0.01765 410467.04
3723120.34 0.01767
410487.04 3723120.34 0.01769 410507.04
3723120.34 0.01771
410527.04 3723120.34 0.01773 410547.04
3723120.34 0.01775
410567.04 3723120.34 0.01777 410587.04
3723120.34 0.01778
410607.04 3723120.34 0.01780 410627.04
3723120.34 0.01782
410647.04 3723120.34 0.01784 410667.04
3723120.34 0.01785
410687.04 3723120.34 0.01787 410707.04

3723120.34   0.01789
         410727.04   3723120.34   0.01791   410747.04
3723120.34   0.01793
         410767.04   3723120.34   0.01794   410787.04
3723120.34   0.01795
         410807.04   3723120.34   0.01797   410827.04
3723120.34   0.01798
         410847.04   3723120.34   0.01801   410867.04
3723120.34   0.01803
         410887.04   3723120.34   0.01805   410907.04
3723120.34   0.01806
         410927.04   3723120.34   0.01808   410947.04
3723120.34   0.01810
         410967.04   3723120.34   0.01812   410987.04
3723120.34   0.01813
         411007.04   3723120.34   0.01816   411027.04
3723120.34   0.01818

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                              *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1   ***
                                  INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                  L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0000013   ,
                  L0000014   , L0000015   , L0000016   , L0000017   , L0000018
, L0000019   , L0000020   , L0000021   ,
                  L0000022   , L0000023   , L0000024   , L0000025   , L0000026
, L0000027   , L0000028   , . . .   ,

                                                 *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                 **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         411047.04   3723120.34   0.01820   411067.04
3723120.34   0.01821
         411087.04   3723120.34   0.01824   411107.04
3723120.34   0.01826

411127.04 3723120.34 0.01828 411147.04 3723120.34 0.01830
411167.04 3723120.34 0.01832 411187.04 3723120.34 0.01834
411207.04 3723120.34 0.01836 411227.04 3723120.34 0.01838
411247.04 3723120.34 0.01841 411267.04 3723120.34 0.01843
411287.04 3723120.34 0.01844 411307.04 3723120.34 0.01848
411327.04 3723120.34 0.01850 410707.04 3723140.34 0.01797
410727.04 3723140.34 0.01799 410747.04 3723140.34 0.01801
410767.04 3723140.34 0.01801 410787.04 3723140.34 0.01803
410807.04 3723140.34 0.01805 410827.04 3723140.34 0.01806
410847.04 3723140.34 0.01809 410867.04 3723140.34 0.01811
410887.04 3723140.34 0.01812 410907.04 3723140.34 0.01813
410927.04 3723140.34 0.01816 410947.04 3723140.34 0.01818
410967.04 3723140.34 0.01820 410987.04 3723140.34 0.01821
411007.04 3723140.34 0.01824 411027.04 3723140.34 0.01826
411047.04 3723140.34 0.01827 411067.04 3723140.34 0.01829
411087.04 3723140.34 0.01832 411107.04 3723140.34 0.01834
411127.04 3723140.34 0.01835 411147.04 3723140.34 0.01837
411167.04 3723140.34 0.01840 411187.04 3723140.34 0.01842
411207.04 3723140.34 0.01844 411227.04 3723140.34 0.01846
411247.04 3723140.34 0.01849 411267.04 3723140.34 0.01851
411287.04 3723140.34 0.01853 411307.04 3723140.34 0.01855
411327.04 3723140.34 0.01858 410707.04 3723160.34 0.01805
410727.04 3723160.34 0.01807 410747.04 3723160.34 0.01809
410767.04 3723160.34 0.01809 410787.04 3723160.34 0.01811
410807.04 3723160.34 0.01813 410827.04 3723160.34 0.01814

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         410847.04    3723160.34        0.01816                      410867.04
3723160.34        0.01818
         410887.04    3723160.34        0.01820                      410907.04
3723160.34        0.01821
         410927.04    3723160.34        0.01824                      410947.04
3723160.34        0.01826
         410967.04    3723160.34        0.01828                      410987.04
3723160.34        0.01829
         411007.04    3723160.34        0.01832                      411027.04
3723160.34        0.01834
         411047.04    3723160.34        0.01835                      411067.04
3723160.34        0.01837
         411087.04    3723160.34        0.01840                      411107.04
3723160.34        0.01842
         411127.04    3723160.34        0.01843                      411147.04
3723160.34        0.01845
         411167.04    3723160.34        0.01848                      411187.04
3723160.34        0.01850
         411207.04    3723160.34        0.01852                      411227.04
3723160.34        0.01854
         411247.04    3723160.34        0.01857                      411267.04
3723160.34        0.01859
         411287.04    3723160.34        0.01861                      411307.04
3723160.34        0.01863
         411327.04    3723160.34        0.01865                      411347.04
3723160.34        0.01868
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                        ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        16:48:31

                                  PAGE 341
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1   ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10    IN MICROGRAMS/M**3
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X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
411367.04	3723160.34	0.01870	410707.04	3723180.34	0.01812
410727.04	3723180.34	0.01813	410747.04	3723180.34	0.01816
410767.04	3723180.34	0.01817	410787.04	3723180.34	0.01818
410807.04	3723180.34	0.01820	410827.04	3723180.34	0.01821
410847.04	3723180.34	0.01824	410867.04	3723180.34	0.01826
410887.04	3723180.34	0.01828	410907.04	3723180.34	0.01829
410927.04	3723180.34	0.01832	410947.04	3723180.34	0.01834
410967.04	3723180.34	0.01835	410987.04	3723180.34	0.01837
411007.04	3723180.34	0.01839	411027.04	3723180.34	0.01842
411047.04	3723180.34	0.01843	411067.04	3723180.34	0.01845
411087.04	3723180.34	0.01847	411107.04	3723180.34	0.01850
411127.04	3723180.34	0.01851	411147.04	3723180.34	0.01853
411167.04	3723180.34	0.01856	411187.04	3723180.34	0.01858
411207.04	3723180.34	0.01859	411227.04	3723180.34	0.01862
411247.04	3723180.34	0.01865	411267.04	3723180.34	0.01867
411287.04	3723180.34	0.01869	411307.04	3723180.34	0.01871
411327.04	3723180.34	0.01873	411347.04	3723180.34	0.01876
411367.04	3723180.34	0.01879	411387.04	3723180.34	0.01881
410707.04	3723200.34	0.01820	410727.04	3723200.34	0.01821
410747.04	3723200.34	0.01824	410767.04	3723200.34	0.01824
410787.04	3723200.34	0.01826	410807.04	3723200.34	0.01828
410827.04	3723200.34	0.01829	410847.04	3723200.34	0.01832
410867.04	3723200.34	0.01834	410887.04		

```
3723200.34        0.01836
         410907.04    3723200.34        0.01837                        410927.04
3723200.34        0.01840
         410947.04    3723200.34        0.01842                        410967.04
3723200.34        0.01843
         410987.04    3723200.34        0.01845                        411007.04
3723200.34        0.01847
         411027.04    3723200.34        0.01850                        411047.04
3723200.34        0.01852
         411067.04    3723200.34        0.01854                        411087.04
3723200.34        0.01856
         411107.04    3723200.34        0.01858                        411127.04
3723200.34        0.01859
         411147.04    3723200.34        0.01861                        411167.04
3723200.34        0.01864
         411187.04    3723200.34        0.01866                        411207.04
3723200.34        0.01868
         411227.04    3723200.34        0.01870                        411247.04
3723200.34        0.01873
         411267.04    3723200.34        0.01875                        411287.04
3723200.34        0.01877
         411307.04    3723200.34        0.01880                        411327.04
3723200.34        0.01882
         411347.04    3723200.34        0.01884                        411367.04
3723200.34        0.01887
         411387.04    3723200.34        0.01889                        410707.04
3723220.34        0.01828
         410727.04    3723220.34        0.01829                        410747.04
3723220.34        0.01831
         410767.04    3723220.34        0.01832                        410787.04
3723220.34        0.01834
         410807.04    3723220.34        0.01836                        410827.04
3723220.34        0.01837
         410847.04    3723220.34        0.01840                        410867.04
3723220.34        0.01842
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                        ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        16:48:31

                                  PAGE 342
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1   ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
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, L0000019    , L0000020    , L0000021    ,
                L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                 **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         410887.04    3723220.34        0.01844                       410907.04
3723220.34        0.01845
         410927.04    3723220.34        0.01848                       410947.04
3723220.34        0.01850
         410967.04    3723220.34        0.01851                       410987.04
3723220.34        0.01853
         411007.04    3723220.34        0.01855                       411027.04
3723220.34        0.01857
         411047.04    3723220.34        0.01859                       411067.04
3723220.34        0.01861
         411087.04    3723220.34        0.01863                       411107.04
3723220.34        0.01865
         411127.04    3723220.34        0.01867                       411147.04
3723220.34        0.01869
         411167.04    3723220.34        0.01872                       411187.04
3723220.34        0.01874
         411207.04    3723220.34        0.01876                       411227.04
3723220.34        0.01878
         411247.04    3723220.34        0.01881                       411267.04
3723220.34        0.01883
         411287.04    3723220.34        0.01885                       411307.04
3723220.34        0.01888
         411327.04    3723220.34        0.01890                       411347.04
3723220.34        0.01892
         411367.04    3723220.34        0.01894                       411387.04
3723220.34        0.01897
         410707.04    3723240.34        0.01835                       410727.04
3723240.34        0.01837
         410747.04    3723240.34        0.01839                       410767.04
3723240.34        0.01840
         410787.04    3723240.34        0.01842                       410807.04
3723240.34        0.01844
         410827.04    3723240.34        0.01845                       410847.04
3723240.34        0.01848
         410867.04    3723240.34        0.01850                       410887.04
3723240.34        0.01852
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         410907.04    3723240.34        0.01853                      410927.04
3723240.34        0.01856
         410947.04    3723240.34        0.01858                      410967.04
3723240.34        0.01859
         410987.04    3723240.34        0.01861                      411007.04
3723240.34        0.01863
         411027.04    3723240.34        0.01865                      411047.04
3723240.34        0.01867
         411067.04    3723240.34        0.01869                      411087.04
3723240.34        0.01871
         411107.04    3723240.34        0.01873                      411127.04
3723240.34        0.01875
         411147.04    3723240.34        0.01877                      411167.04
3723240.34        0.01880
         411187.04    3723240.34        0.01882                      411207.04
3723240.34        0.01884
         411227.04    3723240.34        0.01886                      411247.04
3723240.34        0.01889
         411267.04    3723240.34        0.01891                      411287.04
3723240.34        0.01893
         411307.04    3723240.34        0.01896                      411327.04
3723240.34        0.01899
         411347.04    3723240.34        0.01901                      411367.04
3723240.34        0.01902
         411387.04    3723240.34        0.01906                      411407.04
3723240.34        0.01908
         410707.04    3723260.34        0.01842                      410727.04
3723260.34        0.01844
         410747.04    3723260.34        0.01846                      410767.04
3723260.34        0.01848
         410787.04    3723260.34        0.01850                      410807.04
3723260.34        0.01851
         410827.04    3723260.34        0.01853                      410847.04
3723260.34        0.01856
         410867.04    3723260.34        0.01858                      410887.04
3723260.34        0.01860
         410907.04    3723260.34        0.01861                      410927.04
3723260.34        0.01864
         410947.04    3723260.34        0.01866                      410967.04
3723260.34        0.01868
         410987.04    3723260.34        0.01869                      411007.04
3723260.34        0.01872
         411027.04    3723260.34        0.01874                      411047.04
3723260.34        0.01875
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                        ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        16:48:31
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SRCGP1 ***

INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
411067.04	3723260.34	0.01877	411087.04	3723260.34	0.01880
411107.04	3723260.34	0.01882	411127.04	3723260.34	0.01884
411147.04	3723260.34	0.01886	411167.04	3723260.34	0.01888
411187.04	3723260.34	0.01890	411207.04	3723260.34	0.01892
411227.04	3723260.34	0.01895	411247.04	3723260.34	0.01898
411267.04	3723260.34	0.01900	411287.04	3723260.34	0.01901
411307.04	3723260.34	0.01904	411327.04	3723260.34	0.01907
411347.04	3723260.34	0.01909	411367.04	3723260.34	0.01911
411387.04	3723260.34	0.01913	411407.04	3723260.34	0.01916
410707.04	3723280.34	0.01850	410727.04	3723280.34	0.01852
410747.04	3723280.34	0.01854	410767.04	3723280.34	0.01856
410787.04	3723280.34	0.01858	410807.04	3723280.34	0.01860
410827.04	3723280.34	0.01861	410847.04	3723280.34	0.01864
410867.04	3723280.34	0.01866	410887.04		

3723280.34 0.01868
410907.04 3723280.34 0.01869 410927.04
3723280.34 0.01872
410947.04 3723280.34 0.01874 410967.04
3723280.34 0.01876
410987.04 3723280.34 0.01877 411007.04
3723280.34 0.01880
411027.04 3723280.34 0.01882 411047.04
3723280.34 0.01884
411067.04 3723280.34 0.01885 411087.04
3723280.34 0.01888
411107.04 3723280.34 0.01890 411127.04
3723280.34 0.01892
411147.04 3723280.34 0.01894 411167.04
3723280.34 0.01897
411187.04 3723280.34 0.01899 411207.04
3723280.34 0.01901
411227.04 3723280.34 0.01903 411247.04
3723280.34 0.01906
411267.04 3723280.34 0.01908 411287.04
3723280.34 0.01910
411307.04 3723280.34 0.01913 411327.04
3723280.34 0.01915
411347.04 3723280.34 0.01917 411367.04
3723280.34 0.01919
411387.04 3723280.34 0.01921 411407.04
3723280.34 0.01924
410707.04 3723300.34 0.01859 410727.04
3723300.34 0.01860
410747.04 3723300.34 0.01863 410767.04
3723300.34 0.01864
410787.04 3723300.34 0.01866 410807.04
3723300.34 0.01868
410827.04 3723300.34 0.01869 410847.04
3723300.34 0.01872
410867.04 3723300.34 0.01874 410887.04
3723300.34 0.01876
410907.04 3723300.34 0.01877 410927.04
3723300.34 0.01879
410947.04 3723300.34 0.01882 410967.04
3723300.34 0.01883
410987.04 3723300.34 0.01885 411007.04
3723300.34 0.01888
411027.04 3723300.34 0.01890 411047.04
3723300.34 0.01892
411067.04 3723300.34 0.01894 411087.04
3723300.34 0.01896
411107.04 3723300.34 0.01898 411127.04
3723300.34 0.01900
411147.04 3723300.34 0.01902 411167.04

3723300.34 0.01905
 411187.04 3723300.34 0.01907 411207.04
3723300.34 0.01909

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SRCGP1 ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
411227.04	3723300.34	0.01911	411247.04	3723300.34	0.01914
411267.04	3723300.34	0.01916	411287.04	3723300.34	0.01918
411307.04	3723300.34	0.01921	411327.04	3723300.34	0.01924
411347.04	3723300.34	0.01926	411367.04	3723300.34	0.01928
411387.04	3723300.34	0.01930	411407.04	3723300.34	0.01933
411427.04	3723300.34	0.01936	411447.04	3723300.34	0.01939
410707.04	3723320.34	0.01867	410727.04	3723320.34	0.01868
410747.04	3723320.34	0.01871	410767.04	3723320.34	0.01872
410787.04	3723320.34	0.01874	410807.04	3723320.34	0.01876

410827.04 3723320.34 0.01877 410847.04
3723320.34 0.01880
410867.04 3723320.34 0.01882 410887.04
3723320.34 0.01884
410907.04 3723320.34 0.01886 410927.04
3723320.34 0.01888
410947.04 3723320.34 0.01890 410967.04
3723320.34 0.01892
410987.04 3723320.34 0.01894 411007.04
3723320.34 0.01897
411027.04 3723320.34 0.01899 411047.04
3723320.34 0.01900
411067.04 3723320.34 0.01902 411087.04
3723320.34 0.01905
411107.04 3723320.34 0.01906 411127.04
3723320.34 0.01908
411147.04 3723320.34 0.01911 411167.04
3723320.34 0.01913
411187.04 3723320.34 0.01916 411207.04
3723320.34 0.01918
411227.04 3723320.34 0.01920 411247.04
3723320.34 0.01922
411267.04 3723320.34 0.01925 411287.04
3723320.34 0.01927
411307.04 3723320.34 0.01929 411327.04
3723320.34 0.01932
411347.04 3723320.34 0.01935 411367.04
3723320.34 0.01937
411387.04 3723320.34 0.01939 411407.04
3723320.34 0.01941
411427.04 3723320.34 0.01944 411447.04
3723320.34 0.01947
411467.04 3723320.34 0.01950 411487.04
3723320.34 0.01953
410707.04 3723340.34 0.01875 410727.04
3723340.34 0.01876
410747.04 3723340.34 0.01879 410767.04
3723340.34 0.01880
410787.04 3723340.34 0.01882 410807.04
3723340.34 0.01885
410827.04 3723340.34 0.01886 410847.04
3723340.34 0.01889
410867.04 3723340.34 0.01891 410887.04
3723340.34 0.01893
410907.04 3723340.34 0.01895 410927.04
3723340.34 0.01897
410947.04 3723340.34 0.01899 410967.04
3723340.34 0.01901
410987.04 3723340.34 0.01902 411007.04
3723340.34 0.01905

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SRCGP1 ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
411267.04	3723340.34	0.01934	411287.04	3723340.34	0.01936
411307.04	3723340.34	0.01938	411327.04	3723340.34	0.01940
411347.04	3723340.34	0.01943	411367.04	3723340.34	0.01946
411387.04	3723340.34	0.01948	411407.04	3723340.34	0.01951
411427.04	3723340.34	0.01952	411447.04		

3723340.34 0.01956
411467.04 3723340.34 0.01959 411487.04
3723340.34 0.01961
410707.04 3723360.34 0.01883 410727.04
3723360.34 0.01885
410747.04 3723360.34 0.01887 410767.04
3723360.34 0.01888
410787.04 3723360.34 0.01891 410807.04
3723360.34 0.01893
410827.04 3723360.34 0.01894 410847.04
3723360.34 0.01897
410867.04 3723360.34 0.01899 410887.04
3723360.34 0.01901
410907.04 3723360.34 0.01903 410927.04
3723360.34 0.01905
410947.04 3723360.34 0.01907 410967.04
3723360.34 0.01909
410987.04 3723360.34 0.01911 411007.04
3723360.34 0.01914
411027.04 3723360.34 0.01916 411047.04
3723360.34 0.01917
411067.04 3723360.34 0.01919 411087.04
3723360.34 0.01922
411107.04 3723360.34 0.01924 411127.04
3723360.34 0.01926
411147.04 3723360.34 0.01928 411167.04
3723360.34 0.01930
411187.04 3723360.34 0.01933 411207.04
3723360.34 0.01935
411227.04 3723360.34 0.01938 411247.04
3723360.34 0.01940
411267.04 3723360.34 0.01942 411287.04
3723360.34 0.01945
411307.04 3723360.34 0.01947 411327.04
3723360.34 0.01949
411347.04 3723360.34 0.01952 411367.04
3723360.34 0.01954
411387.04 3723360.34 0.01957 411407.04
3723360.34 0.01959
411427.04 3723360.34 0.01961 411447.04
3723360.34 0.01965
411467.04 3723360.34 0.01967 411487.04
3723360.34 0.01970
410707.04 3723380.34 0.01891 410727.04
3723380.34 0.01893
410747.04 3723380.34 0.01896 410767.04
3723380.34 0.01897
410787.04 3723380.34 0.01899 410807.04
3723380.34 0.01901
410827.04 3723380.34 0.01903 410847.04

```
3723380.34        0.01905
         410867.04    3723380.34        0.01907                             410887.04
3723380.34        0.01909
         410907.04    3723380.34        0.01911                             410927.04
3723380.34        0.01913
         410947.04    3723380.34        0.01915                             410967.04
3723380.34        0.01917
         410987.04    3723380.34        0.01919                             411007.04
3723380.34        0.01922
         411027.04    3723380.34        0.01924                             411047.04
3723380.34        0.01926
         411067.04    3723380.34        0.01928                             411087.04
3723380.34        0.01931
         411107.04    3723380.34        0.01932                             411127.04
3723380.34        0.01934
         411147.04    3723380.34        0.01937                             411167.04
3723380.34        0.01939
         411187.04    3723380.34        0.01941                             411207.04
3723380.34        0.01944
         411227.04    3723380.34        0.01946                             411247.04
3723380.34        0.01948
↑ *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                         ***       05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***       16:48:31

                                 PAGE 346
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1   ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                 L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                 L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

       X-COORD (M)   Y-COORD (M)        CONC                           X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
```

411267.04 3723380.34 0.01950 411287.04
3723380.34 0.01953
411307.04 3723380.34 0.01955 411327.04
3723380.34 0.01957
411347.04 3723380.34 0.01960 411367.04
3723380.34 0.01962
411387.04 3723380.34 0.01965 411407.04
3723380.34 0.01968
411427.04 3723380.34 0.01970 411447.04
3723380.34 0.01973
411467.04 3723380.34 0.01976 411487.04
3723380.34 0.01978
411507.04 3723380.34 0.01981 411527.04
3723380.34 0.01984
411547.04 3723380.34 0.01987 411567.04
3723380.34 0.01991
411587.04 3723380.34 0.01999 411607.04
3723380.34 0.01998
410707.04 3723400.34 0.01900 410727.04
3723400.34 0.01901
410747.04 3723400.34 0.01904 410767.04
3723400.34 0.01905
410787.04 3723400.34 0.01907 410807.04
3723400.34 0.01910
410827.04 3723400.34 0.01912 410847.04
3723400.34 0.01914
410867.04 3723400.34 0.01916 410887.04
3723400.34 0.01918
410907.04 3723400.34 0.01920 410927.04
3723400.34 0.01922
410947.04 3723400.34 0.01924 410967.04
3723400.34 0.01926
410987.04 3723400.34 0.01928 411007.04
3723400.34 0.01931
411027.04 3723400.34 0.01933 411047.04
3723400.34 0.01935
411067.04 3723400.34 0.01937 411087.04
3723400.34 0.01939
411107.04 3723400.34 0.01941 411127.04
3723400.34 0.01943
411147.04 3723400.34 0.01945 411167.04
3723400.34 0.01948
411187.04 3723400.34 0.01951 411207.04
3723400.34 0.01953
411227.04 3723400.34 0.01955 411247.04
3723400.34 0.01957
411267.04 3723400.34 0.01960 411287.04
3723400.34 0.01962
411307.04 3723400.34 0.01965 411327.04
3723400.34 0.01967

```
         411347.04    3723400.34        0.01969                      411367.04
3723400.34        0.01972
         411387.04    3723400.34        0.01975                      411407.04
3723400.34        0.01977
         411427.04    3723400.34        0.01979                      411447.04
3723400.34        0.01982
         411467.04    3723400.34        0.01985                      411487.04
3723400.34        0.01988
         411507.04    3723400.34        0.01990                      411527.04
3723400.34        0.01993
         411547.04    3723400.34        0.01996                      411567.04
3723400.34        0.01999
         411587.04    3723400.34        0.02007                      411607.04
3723400.34        0.02010
         410707.04    3723420.34        0.01908                      410727.04
3723420.34        0.01910
         410747.04    3723420.34        0.01912                      410767.04
3723420.34        0.01914
         410787.04    3723420.34        0.01916                      410807.04
3723420.34        0.01919
         410827.04    3723420.34        0.01921                      410847.04
3723420.34        0.01923
         410867.04    3723420.34        0.01925                      410887.04
3723420.34        0.01927
         410907.04    3723420.34        0.01929                      410927.04
3723420.34        0.01931
         410947.04    3723420.34        0.01933                      410967.04
3723420.34        0.01935
         410987.04    3723420.34        0.01937                      411007.04
3723420.34        0.01939
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                        ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        16:48:31

                                  PAGE 347
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1   ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
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***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
411027.04	3723420.34	0.01941	411047.04	3723420.34	0.01943
411067.04	3723420.34	0.01945	411087.04	3723420.34	0.01948
411107.04	3723420.34	0.01949	411127.04	3723420.34	0.01951
411147.04	3723420.34	0.01953	411167.04	3723420.34	0.01956
411187.04	3723420.34	0.01959	411207.04	3723420.34	0.01961
411227.04	3723420.34	0.01964	411247.04	3723420.34	0.01966
411267.04	3723420.34	0.01968	411287.04	3723420.34	0.01970
411307.04	3723420.34	0.01973	411327.04	3723420.34	0.01975
411347.04	3723420.34	0.01978	411367.04	3723420.34	0.01980
411387.04	3723420.34	0.01983	411407.04	3723420.34	0.01985
411427.04	3723420.34	0.01988	411447.04	3723420.34	0.01991
411467.04	3723420.34	0.01993	411487.04	3723420.34	0.01996
411507.04	3723420.34	0.01999	411527.04	3723420.34	0.02002
411547.04	3723420.34	0.02005	411567.04	3723420.34	0.02008
411587.04	3723420.34	0.02015	411607.04	3723420.34	0.02020
410707.04	3723440.34	0.01916	410727.04	3723440.34	0.01918
410747.04	3723440.34	0.01921	410767.04	3723440.34	0.01922
410787.04	3723440.34	0.01925	410807.04	3723440.34	0.01927
410827.04	3723440.34	0.01929	410847.04	3723440.34	0.01932
410867.04	3723440.34	0.01933	410887.04	3723440.34	0.01935
410907.04	3723440.34	0.01937	410927.04		

3723440.34   0.01939
         410947.04   3723440.34   0.01942   410967.04
3723440.34   0.01944
         410987.04   3723440.34   0.01945   411007.04
3723440.34   0.01948
         411027.04   3723440.34   0.01950   411047.04
3723440.34   0.01951
         411067.04   3723440.34   0.01953   411087.04
3723440.34   0.01956
         411107.04   3723440.34   0.01958   411127.04
3723440.34   0.01960
         411147.04   3723440.34   0.01962   411167.04
3723440.34   0.01965
         411187.04   3723440.34   0.01967   411207.04
3723440.34   0.01970
         411227.04   3723440.34   0.01972   411247.04
3723440.34   0.01974
         411267.04   3723440.34   0.01977   411287.04
3723440.34   0.01979
         411307.04   3723440.34   0.01981   411327.04
3723440.34   0.01984
         411347.04   3723440.34   0.01986   411367.04
3723440.34   0.01989
         411387.04   3723440.34   0.01991   411407.04
3723440.34   0.01994
         411427.04   3723440.34   0.01996   411447.04
3723440.34   0.01999
         411467.04   3723440.34   0.02002   411487.04
3723440.34   0.02005
         411507.04   3723440.34   0.02008   411527.04
3723440.34   0.02011
         411547.04   3723440.34   0.02014   411567.04
3723440.34   0.02016
         411587.04   3723440.34   0.02023   411607.04
3723440.34   0.02030
         410707.04   3723460.34   0.01924   410727.04
3723460.34   0.01926
         410747.04   3723460.34   0.01928   410767.04
3723460.34   0.01931

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                 *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1   ***
                                 INCLUDING SOURCE(S):   L0000001   , L0000002

```
, L0000003    , L0000004    , L0000005    ,
                L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         410787.04    3723460.34        0.01933                       410807.04
3723460.34        0.01936
         410827.04    3723460.34        0.01937                       410847.04
3723460.34        0.01940
         410867.04    3723460.34        0.01942                       410887.04
3723460.34        0.01944
         410907.04    3723460.34        0.01945                       410927.04
3723460.34        0.01948
         410947.04    3723460.34        0.01951                       410967.04
3723460.34        0.01952
         410987.04    3723460.34        0.01954                       411007.04
3723460.34        0.01957
         411027.04    3723460.34        0.01958                       411047.04
3723460.34        0.01960
         411067.04    3723460.34        0.01962                       411087.04
3723460.34        0.01965
         411107.04    3723460.34        0.01967                       411127.04
3723460.34        0.01969
         411147.04    3723460.34        0.01971                       411167.04
3723460.34        0.01974
         411187.04    3723460.34        0.01976                       411207.04
3723460.34        0.01979
         411227.04    3723460.34        0.01982                       411247.04
3723460.34        0.01984
         411267.04    3723460.34        0.01987                       411287.04
3723460.34        0.01989
         411307.04    3723460.34        0.01990                       411327.04
3723460.34        0.01993
         411347.04    3723460.34        0.01996                       411367.04
3723460.34        0.01998
         411387.04    3723460.34        0.02001                       411407.04
3723460.34        0.02004
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         411427.04    3723460.34        0.02005                        411447.04
3723460.34        0.02008
         411467.04    3723460.34        0.02011                        411487.04
3723460.34        0.02015
         411507.04    3723460.34        0.02018                        411527.04
3723460.34        0.02020
         411547.04    3723460.34        0.02023                        411567.04
3723460.34        0.02026
         411587.04    3723460.34        0.02031                        411607.04
3723460.34        0.02039
         410707.04    3723480.34        0.01933                        410727.04
3723480.34        0.01935
         410747.04    3723480.34        0.01938                        410767.04
3723480.34        0.01940
         410787.04    3723480.34        0.01942                        410807.04
3723480.34        0.01945
         410827.04    3723480.34        0.01946                        410847.04
3723480.34        0.01949
         410867.04    3723480.34        0.01951                        410887.04
3723480.34        0.01952
         410907.04    3723480.34        0.01954                        410927.04
3723480.34        0.01957
         410947.04    3723480.34        0.01959                        410967.04
3723480.34        0.01961
         410987.04    3723480.34        0.01963                        411007.04
3723480.34        0.01966
         411027.04    3723480.34        0.01967                        411047.04
3723480.34        0.01969
         411067.04    3723480.34        0.01971                        411087.04
3723480.34        0.01974
         411107.04    3723480.34        0.01976                        411127.04
3723480.34        0.01978
         411147.04    3723480.34        0.01980                        411167.04
3723480.34        0.01983
         411187.04    3723480.34        0.01985                        411207.04
3723480.34        0.01988
         411227.04    3723480.34        0.01991                        411247.04
3723480.34        0.01993
         411267.04    3723480.34        0.01996                        411287.04
3723480.34        0.01998
         411307.04    3723480.34        0.01999                        411327.04
3723480.34        0.02002
         411347.04    3723480.34        0.02005                        411367.04
3723480.34        0.02008
         411387.04    3723480.34        0.02010                        411407.04
3723480.34        0.02013
         411427.04    3723480.34        0.02015                        411447.04
3723480.34        0.02017
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***       05/26/20
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 *** AERMET - VERSION  16216 ***   ***
                        ***       16:48:31

                                  PAGE 349
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1   ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                 L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                 L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                                 *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                            ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

       X-COORD (M)   Y-COORD (M)        CONC                          X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
         411467.04    3723480.34        0.02020                         411487.04
3723480.34        0.02024
         411507.04    3723480.34        0.02027                         411527.04
3723480.34        0.02030
         411547.04    3723480.34        0.02033                         411567.04
3723480.34        0.02035
         411587.04    3723480.34        0.02039                         411607.04
3723480.34        0.02047
         410707.04    3723500.34        0.01942                         410727.04
3723500.34        0.01945
         410747.04    3723500.34        0.01947                         410767.04
3723500.34        0.01948
         410787.04    3723500.34        0.01951                         410807.04
3723500.34        0.01953
         410827.04    3723500.34        0.01955                         410847.04
3723500.34        0.01958
         410867.04    3723500.34        0.01960                         410887.04
3723500.34        0.01961
         410907.04    3723500.34        0.01963                         410927.04
3723500.34        0.01966
         410947.04    3723500.34        0.01968                         410967.04
3723500.34        0.01970
         410987.04    3723500.34        0.01972                         411007.04
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3723500.34 0.01974
411027.04 3723500.34 0.01976 411047.04
3723500.34 0.01978
411067.04 3723500.34 0.01980 411087.04
3723500.34 0.01983
411107.04 3723500.34 0.01985 411127.04
3723500.34 0.01987
411147.04 3723500.34 0.01989 411167.04
3723500.34 0.01992
411187.04 3723500.34 0.01994 411207.04
3723500.34 0.01998
411227.04 3723500.34 0.02000 411247.04
3723500.34 0.02002
411267.04 3723500.34 0.02005 411287.04
3723500.34 0.02007
411307.04 3723500.34 0.02009 411327.04
3723500.34 0.02012
411347.04 3723500.34 0.02014 411367.04
3723500.34 0.02017
411387.04 3723500.34 0.02019 411407.04
3723500.34 0.02022
411427.04 3723500.34 0.02024 411447.04
3723500.34 0.02027
411467.04 3723500.34 0.02029 411487.04
3723500.34 0.02033
411507.04 3723500.34 0.02036 411527.04
3723500.34 0.02039
411547.04 3723500.34 0.02042 411567.04
3723500.34 0.02045
411587.04 3723500.34 0.02048 411607.04
3723500.34 0.02055
410707.04 3723520.34 0.01951 410727.04
3723520.34 0.01953
410747.04 3723520.34 0.01955 410767.04
3723520.34 0.01957
410787.04 3723520.34 0.01960 410807.04
3723520.34 0.01962
410827.04 3723520.34 0.01964 410847.04
3723520.34 0.01967
410867.04 3723520.34 0.01969 410887.04
3723520.34 0.01970
410907.04 3723520.34 0.01972 410927.04
3723520.34 0.01975
410947.04 3723520.34 0.01977 410967.04
3723520.34 0.01979
410987.04 3723520.34 0.01981 411007.04
3723520.34 0.01983
411027.04 3723520.34 0.01985 411047.04
3723520.34 0.01987
411067.04 3723520.34 0.01989 411087.04

3723520.34 0.01992
 411107.04 3723520.34 0.01994 411127.04
3723520.34 0.01996
 411147.04 3723520.34 0.01998 411167.04
3723520.34 0.02001
 411187.04 3723520.34 0.02004 411207.04
3723520.34 0.02007

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SRCGP1 ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
 L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
 L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
 L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
411227.04	3723520.34	0.02010	411247.04	3723520.34	0.02012
411267.04	3723520.34	0.02014	411287.04	3723520.34	0.02016
411307.04	3723520.34	0.02018	411327.04	3723520.34	0.02021
411347.04	3723520.34	0.02024	411367.04	3723520.34	0.02026
411387.04	3723520.34	0.02029	411407.04	3723520.34	0.02032
411427.04	3723520.34	0.02034	411447.04	3723520.34	0.02037
411467.04	3723520.34	0.02040	411487.04	3723520.34	0.02044

411507.04 3723520.34 0.02047 411527.04
3723520.34 0.02049
411547.04 3723520.34 0.02051 411567.04
3723520.34 0.02054
411587.04 3723520.34 0.02057 411607.04
3723520.34 0.02063
410707.04 3723540.34 0.01959 410727.04
3723540.34 0.01961
410747.04 3723540.34 0.01964 410767.04
3723540.34 0.01966
410787.04 3723540.34 0.01969 410807.04
3723540.34 0.01971
410827.04 3723540.34 0.01973 410847.04
3723540.34 0.01976
410867.04 3723540.34 0.01978 410887.04
3723540.34 0.01979
410907.04 3723540.34 0.01981 410927.04
3723540.34 0.01984
410947.04 3723540.34 0.01986 410967.04
3723540.34 0.01988
410987.04 3723540.34 0.01990 411007.04
3723540.34 0.01993
411027.04 3723540.34 0.01994 411047.04
3723540.34 0.01996
411067.04 3723540.34 0.01998 411087.04
3723540.34 0.02001
411107.04 3723540.34 0.02003 411127.04
3723540.34 0.02005
411147.04 3723540.34 0.02007 411167.04
3723540.34 0.02010
411187.04 3723540.34 0.02013 411207.04
3723540.34 0.02016
411227.04 3723540.34 0.02019 411247.04
3723540.34 0.02021
411267.04 3723540.34 0.02023 411287.04
3723540.34 0.02025
411307.04 3723540.34 0.02027 411327.04
3723540.34 0.02030
411347.04 3723540.34 0.02033 411367.04
3723540.34 0.02036
411387.04 3723540.34 0.02038 411407.04
3723540.34 0.02041
411427.04 3723540.34 0.02043 411447.04
3723540.34 0.02046
411467.04 3723540.34 0.02049 411487.04
3723540.34 0.02052
411507.04 3723540.34 0.02056 411527.04
3723540.34 0.02058
411547.04 3723540.34 0.02061 411567.04
3723540.34 0.02064

```
         411587.04    3723540.34        0.02067                       411607.04
3723540.34        0.02071
         410707.04    3723560.34        0.01969                       410727.04
3723560.34        0.01971
         410747.04    3723560.34        0.01973                       410767.04
3723560.34        0.01975
         410787.04    3723560.34        0.01978                       410807.04
3723560.34        0.01980
         410827.04    3723560.34        0.01982                       410847.04
3723560.34        0.01985
         410867.04    3723560.34        0.01986                       410887.04
3723560.34        0.01988
         410907.04    3723560.34        0.01990                       410927.04
3723560.34        0.01993
         410947.04    3723560.34        0.01995                       410967.04
3723560.34        0.01997
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***       05/26/20
 *** AERMET - VERSION  16216 ***   ***
                         ***       16:48:31

                                   PAGE 351
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1   ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                   L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                   L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                   L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         410987.04    3723560.34        0.01999                       411007.04
3723560.34        0.02002
         411027.04    3723560.34        0.02004                       411047.04
3723560.34        0.02005
         411067.04    3723560.34        0.02007                       411087.04
```

3723560.34 0.02010
411107.04 3723560.34 0.02013 411127.04
3723560.34 0.02014
411147.04 3723560.34 0.02017 411167.04
3723560.34 0.02020
411187.04 3723560.34 0.02022 411207.04
3723560.34 0.02026
411227.04 3723560.34 0.02028 411247.04
3723560.34 0.02031
411267.04 3723560.34 0.02033 411287.04
3723560.34 0.02035
411307.04 3723560.34 0.02037 411327.04
3723560.34 0.02040
411347.04 3723560.34 0.02043 411367.04
3723560.34 0.02045
411387.04 3723560.34 0.02048 411407.04
3723560.34 0.02051
411427.04 3723560.34 0.02052 411447.04
3723560.34 0.02055
411467.04 3723560.34 0.02058 411487.04
3723560.34 0.02062
411507.04 3723560.34 0.02064 411527.04
3723560.34 0.02067
411547.04 3723560.34 0.02071 411567.04
3723560.34 0.02074
411587.04 3723560.34 0.02076 411607.04
3723560.34 0.02080
410707.04 3723580.34 0.01978 410727.04
3723580.34 0.01980
410747.04 3723580.34 0.01983 410767.04
3723580.34 0.01984
410787.04 3723580.34 0.01986 410807.04
3723580.34 0.01989
410827.04 3723580.34 0.01990 410847.04
3723580.34 0.01993
410867.04 3723580.34 0.01995 410887.04
3723580.34 0.01997
410907.04 3723580.34 0.01999 410927.04
3723580.34 0.02001
410947.04 3723580.34 0.02004 410967.04
3723580.34 0.02006
410987.04 3723580.34 0.02008 411007.04
3723580.34 0.02010
411027.04 3723580.34 0.02012 411047.04
3723580.34 0.02014
411067.04 3723580.34 0.02016 411087.04
3723580.34 0.02019
411107.04 3723580.34 0.02021 411127.04
3723580.34 0.02023
411147.04 3723580.34 0.02026 411167.04

```
3723580.34        0.02029
         411187.04    3723580.34        0.02032                        411207.04
3723580.34        0.02035
         411227.04    3723580.34        0.02038                        411247.04
3723580.34        0.02040
         411267.04    3723580.34        0.02043                        411287.04
3723580.34        0.02044
         411307.04    3723580.34        0.02046                        411327.04
3723580.34        0.02049
         411347.04    3723580.34        0.02052                        411367.04
3723580.34        0.02055
         411387.04    3723580.34        0.02058                        411407.04
3723580.34        0.02060
         411427.04    3723580.34        0.02062                        411447.04
3723580.34        0.02065
         411467.04    3723580.34        0.02067                        411487.04
3723580.34        0.02071
         411507.04    3723580.34        0.02074                        411527.04
3723580.34        0.02077
         411547.04    3723580.34        0.02080                        411567.04
3723580.34        0.02084
         411587.04    3723580.34        0.02086                        411607.04
3723580.34        0.02090
         410707.04    3723600.34        0.01987                        410727.04
3723600.34        0.01989
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                        ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        16:48:31

                                  PAGE 352
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1   ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                 L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                 L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                     *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **
```

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
410747.04	3723600.34	0.01991	410767.04	3723600.34	0.01993
410787.04	3723600.34	0.01996	410807.04	3723600.34	0.01999
410827.04	3723600.34	0.02000	410847.04	3723600.34	0.02002
410867.04	3723600.34	0.02005	410887.04	3723600.34	0.02007
410907.04	3723600.34	0.02009	410927.04	3723600.34	0.02011
410947.04	3723600.34	0.02013	410967.04	3723600.34	0.02016
410987.04	3723600.34	0.02018	411007.04	3723600.34	0.02020
411027.04	3723600.34	0.02022	411047.04	3723600.34	0.02024
411067.04	3723600.34	0.02026	411087.04	3723600.34	0.02029
411107.04	3723600.34	0.02031	411127.04	3723600.34	0.02033
411147.04	3723600.34	0.02036	411167.04	3723600.34	0.02039
411187.04	3723600.34	0.02041	411207.04	3723600.34	0.02044
411227.04	3723600.34	0.02047	411247.04	3723600.34	0.02049
411267.04	3723600.34	0.02052	411287.04	3723600.34	0.02054
411307.04	3723600.34	0.02056	411327.04	3723600.34	0.02059
411347.04	3723600.34	0.02062	411367.04	3723600.34	0.02064
411387.04	3723600.34	0.02067	411407.04	3723600.34	0.02070
411427.04	3723600.34	0.02072	411447.04	3723600.34	0.02074
411467.04	3723600.34	0.02077	411487.04	3723600.34	0.02081
411507.04	3723600.34	0.02084	411527.04	3723600.34	0.02086
411547.04	3723600.34	0.02090	411567.04	3723600.34	0.02094
411587.04	3723600.34	0.02096	411607.04	3723600.34	0.02100
410707.04	3723620.34	0.01995	410727.04	3723620.34	0.01998

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         410747.04    3723620.34        0.02000                      410767.04
3723620.34        0.02002
         410787.04    3723620.34        0.02005                      410807.04
3723620.34        0.02008
         410827.04    3723620.34        0.02010                      410847.04
3723620.34        0.02012
         410867.04    3723620.34        0.02015                      410887.04
3723620.34        0.02017
         410907.04    3723620.34        0.02019                      410927.04
3723620.34        0.02021
         410947.04    3723620.34        0.02023                      410967.04
3723620.34        0.02026
         410987.04    3723620.34        0.02028                      411007.04
3723620.34        0.02030
         411027.04    3723620.34        0.02032                      411047.04
3723620.34        0.02035
         411067.04    3723620.34        0.02036                      411087.04
3723620.34        0.02039
         411107.04    3723620.34        0.02041                      411127.04
3723620.34        0.02044
         411147.04    3723620.34        0.02046                      411167.04
3723620.34        0.02048
         411187.04    3723620.34        0.02051                      411207.04
3723620.34        0.02053
         411227.04    3723620.34        0.02056                      411247.04
3723620.34        0.02058
         411267.04    3723620.34        0.02061                      411287.04
3723620.34        0.02063
         411307.04    3723620.34        0.02065                      411327.04
3723620.34        0.02068
         411347.04    3723620.34        0.02071                      411367.04
3723620.34        0.02073
         411387.04    3723620.34        0.02076                      411407.04
3723620.34        0.02079
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                        ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        16:48:31

                                  PAGE 353
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1   ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
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L0000022 , L0000023 , L0000024 , L0000025 , L0000026
, L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
411427.04	3723620.34	0.02081	411447.04	3723620.34	0.02084
411467.04	3723620.34	0.02087	411487.04	3723620.34	0.02090
411507.04	3723620.34	0.02093	411527.04	3723620.34	0.02096
411547.04	3723620.34	0.02100	411567.04	3723620.34	0.02103
411587.04	3723620.34	0.02106	411607.04	3723620.34	0.02110
410707.04	3723640.34	0.02005	410727.04	3723640.34	0.02007
410747.04	3723640.34	0.02010	410767.04	3723640.34	0.02012
410787.04	3723640.34	0.02015	410807.04	3723640.34	0.02018
410827.04	3723640.34	0.02020	410847.04	3723640.34	0.02023
410867.04	3723640.34	0.02025	410887.04	3723640.34	0.02027
410907.04	3723640.34	0.02030	410927.04	3723640.34	0.02032
410947.04	3723640.34	0.02033	410967.04	3723640.34	0.02036
410987.04	3723640.34	0.02038	411007.04	3723640.34	0.02040
411027.04	3723640.34	0.02042	411047.04	3723640.34	0.02045
411067.04	3723640.34	0.02046	411087.04	3723640.34	0.02049
411107.04	3723640.34	0.02051	411127.04	3723640.34	0.02054
411147.04	3723640.34	0.02056	411167.04	3723640.34	0.02058
411187.04	3723640.34	0.02061	411207.04	3723640.34	0.02063
411227.04	3723640.34	0.02065	411247.04		

3723640.34   0.02068
         411267.04   3723640.34   0.02070   411287.04
3723640.34   0.02073
         411307.04   3723640.34   0.02076   411327.04
3723640.34   0.02078
         411347.04   3723640.34   0.02081   411367.04
3723640.34   0.02084
         411387.04   3723640.34   0.02086   411407.04
3723640.34   0.02089
         411427.04   3723640.34   0.02092   411447.04
3723640.34   0.02094
         411467.04   3723640.34   0.02098   411487.04
3723640.34   0.02101
         411507.04   3723640.34   0.02104   411527.04
3723640.34   0.02107
         411547.04   3723640.34   0.02111   411567.04
3723640.34   0.02113
         411587.04   3723640.34   0.02117   411607.04
3723640.34   0.02120
         410707.04   3723660.34   0.02015   410727.04
3723660.34   0.02017
         410747.04   3723660.34   0.02020   410767.04
3723660.34   0.02021
         410787.04   3723660.34   0.02024   410807.04
3723660.34   0.02027
         410827.04   3723660.34   0.02029   410847.04
3723660.34   0.02032
         410867.04   3723660.34   0.02034   410887.04
3723660.34   0.02036
         410907.04   3723660.34   0.02039   410927.04
3723660.34   0.02041
         410947.04   3723660.34   0.02042   410967.04
3723660.34   0.02044
         410987.04   3723660.34   0.02047   411007.04
3723660.34   0.02049
         411027.04   3723660.34   0.02051   411047.04
3723660.34   0.02054
         411067.04   3723660.34   0.02056   411087.04
3723660.34   0.02058
         411107.04   3723660.34   0.02060   411127.04
3723660.34   0.02063
         411147.04   3723660.34   0.02065   411167.04
3723660.34   0.02067

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SRCGP1 ***

INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
411187.04	3723660.34	0.02070	411207.04	3723660.34	0.02072
411227.04	3723660.34	0.02075	411247.04	3723660.34	0.02078
411267.04	3723660.34	0.02081	411287.04	3723660.34	0.02084
411307.04	3723660.34	0.02086	411327.04	3723660.34	0.02089
411347.04	3723660.34	0.02092	411367.04	3723660.34	0.02094
411387.04	3723660.34	0.02097	411407.04	3723660.34	0.02100
411427.04	3723660.34	0.02102	411447.04	3723660.34	0.02104
411467.04	3723660.34	0.02108	411487.04	3723660.34	0.02112
411507.04	3723660.34	0.02115	411527.04	3723660.34	0.02118
411547.04	3723660.34	0.02121	411567.04	3723660.34	0.02124
411587.04	3723660.34	0.02127	411607.04	3723660.34	0.02130
410907.04	3723680.34	0.02049	410927.04	3723680.34	0.02051
410947.04	3723680.34	0.02053	410967.04	3723680.34	0.02055
410987.04	3723680.34	0.02057	411007.04	3723680.34	0.02059

411027.04 3723680.34 0.02062 411047.04
3723680.34 0.02064
411067.04 3723680.34 0.02066 411087.04
3723680.34 0.02068
411107.04 3723680.34 0.02071 411127.04
3723680.34 0.02073
411147.04 3723680.34 0.02075 411167.04
3723680.34 0.02078
411187.04 3723680.34 0.02080 411207.04
3723680.34 0.02082
411227.04 3723680.34 0.02085 411247.04
3723680.34 0.02088
411267.04 3723680.34 0.02091 411287.04
3723680.34 0.02094
411307.04 3723680.34 0.02096 411327.04
3723680.34 0.02099
411347.04 3723680.34 0.02102 411367.04
3723680.34 0.02105
411387.04 3723680.34 0.02107 411407.04
3723680.34 0.02110
411427.04 3723680.34 0.02113 411447.04
3723680.34 0.02115
411467.04 3723680.34 0.02119 411487.04
3723680.34 0.02122
411507.04 3723680.34 0.02124 411527.04
3723680.34 0.02128
411547.04 3723680.34 0.02131 411567.04
3723680.34 0.02134
411587.04 3723680.34 0.02137 411607.04
3723680.34 0.02141
410907.04 3723700.34 0.02059 410927.04
3723700.34 0.02061
410947.04 3723700.34 0.02063 410967.04
3723700.34 0.02065
410987.04 3723700.34 0.02067 411007.04
3723700.34 0.02069
411027.04 3723700.34 0.02072 411047.04
3723700.34 0.02074
411067.04 3723700.34 0.02076 411087.04
3723700.34 0.02079
411107.04 3723700.34 0.02081 411127.04
3723700.34 0.02083
411147.04 3723700.34 0.02086 411167.04
3723700.34 0.02088
411187.04 3723700.34 0.02090 411207.04
3723700.34 0.02092
411227.04 3723700.34 0.02095 411247.04
3723700.34 0.02098
411267.04 3723700.34 0.02101 411287.04
3723700.34 0.02104

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SRCGP1 ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
411347.04	3723700.34	0.02112	411367.04	3723700.34	0.02114
411387.04	3723700.34	0.02117	411407.04	3723700.34	0.02120
411427.04	3723700.34	0.02123	411447.04	3723700.34	0.02125
411467.04	3723700.34	0.02128	411487.04	3723700.34	0.02132
411507.04	3723700.34	0.02135	411527.04	3723700.34	0.02138
411547.04	3723700.34	0.02142	411567.04	3723700.34	0.02144
411587.04	3723700.34	0.02148	411607.04	3723700.34	0.02151
410907.04	3723720.34	0.02068	410927.04	3723720.34	0.02070
410947.04	3723720.34	0.02072	410967.04	3723720.34	0.02074
410987.04	3723720.34	0.02076	411007.04		

3723720.34 0.02079
411027.04 3723720.34 0.02081 411047.04
3723720.34 0.02083
411067.04 3723720.34 0.02087 411087.04
3723720.34 0.02089
411107.04 3723720.34 0.02091 411127.04
3723720.34 0.02093
411147.04 3723720.34 0.02096 411167.04
3723720.34 0.02098
411187.04 3723720.34 0.02100 411207.04
3723720.34 0.02102
411227.04 3723720.34 0.02105 411247.04
3723720.34 0.02108
411267.04 3723720.34 0.02111 411287.04
3723720.34 0.02114
411307.04 3723720.34 0.02117 411327.04
3723720.34 0.02119
411347.04 3723720.34 0.02122 411367.04
3723720.34 0.02125
411387.04 3723720.34 0.02127 411407.04
3723720.34 0.02130
411427.04 3723720.34 0.02133 411447.04
3723720.34 0.02135
411467.04 3723720.34 0.02139 411487.04
3723720.34 0.02142
411507.04 3723720.34 0.02145 411527.04
3723720.34 0.02149
411547.04 3723720.34 0.02152 411567.04
3723720.34 0.02155
411587.04 3723720.34 0.02158 411607.04
3723720.34 0.02162
410907.04 3723740.34 0.02078 410927.04
3723740.34 0.02080
410947.04 3723740.34 0.02083 410967.04
3723740.34 0.02085
410987.04 3723740.34 0.02087 411007.04
3723740.34 0.02089
411027.04 3723740.34 0.02091 411047.04
3723740.34 0.02093
411067.04 3723740.34 0.02096 411087.04
3723740.34 0.02099
411107.04 3723740.34 0.02101 411127.04
3723740.34 0.02103
411147.04 3723740.34 0.02106 411167.04
3723740.34 0.02109
411187.04 3723740.34 0.02110 411207.04
3723740.34 0.02112
411227.04 3723740.34 0.02116 411247.04
3723740.34 0.02118
411267.04 3723740.34 0.02121 411287.04

3723740.34   0.02124
         411307.04   3723740.34   0.02126   411327.04
3723740.34   0.02129
         411347.04   3723740.34   0.02132   411367.04
3723740.34   0.02134
         411387.04   3723740.34   0.02137   411407.04
3723740.34   0.02140
         411427.04   3723740.34   0.02143   411447.04
3723740.34   0.02146
         411467.04   3723740.34   0.02149   411487.04
3723740.34   0.02153

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                              *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1   ***
                                  INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                  L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0000013   ,
                  L0000014   , L0000015   , L0000016   , L0000017   , L0000018
, L0000019   , L0000020   , L0000021   ,
                  L0000022   , L0000023   , L0000024   , L0000025   , L0000026
, L0000027   , L0000028   , . . .   ,

                                     *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         411507.04   3723740.34   0.02156   411527.04
3723740.34   0.02159
         411547.04   3723740.34   0.02162   411567.04
3723740.34   0.02165
         411587.04   3723740.34   0.02169   411607.04
3723740.34   0.02172
         410907.04   3723760.34   0.02088   410927.04
3723760.34   0.02090
         410947.04   3723760.34   0.02092   410967.04
3723760.34   0.02095

410987.04 3723760.34 0.02097 411007.04 3723760.34 0.02099
411027.04 3723760.34 0.02101 411047.04 3723760.34 0.02104
411067.04 3723760.34 0.02106 411087.04 3723760.34 0.02109
411107.04 3723760.34 0.02111 411127.04 3723760.34 0.02113
411147.04 3723760.34 0.02116 411167.04 3723760.34 0.02119
411187.04 3723760.34 0.02121 411207.04 3723760.34 0.02123
411227.04 3723760.34 0.02126 411247.04 3723760.34 0.02129
411267.04 3723760.34 0.02132 411287.04 3723760.34 0.02134
411307.04 3723760.34 0.02137 411327.04 3723760.34 0.02140
411347.04 3723760.34 0.02143 411367.04 3723760.34 0.02146
411387.04 3723760.34 0.02149 411407.04 3723760.34 0.02151
411427.04 3723760.34 0.02155 411447.04 3723760.34 0.02158
411467.04 3723760.34 0.02161 411487.04 3723760.34 0.02164
411507.04 3723760.34 0.02167 411527.04 3723760.34 0.02170
411547.04 3723760.34 0.02173 411567.04 3723760.34 0.02176
411587.04 3723760.34 0.02179 411607.04 3723760.34 0.02183
410907.04 3723780.34 0.02098 410927.04 3723780.34 0.02100
410947.04 3723780.34 0.02102 410967.04 3723780.34 0.02105
410987.04 3723780.34 0.02107 411007.04 3723780.34 0.02110
411027.04 3723780.34 0.02112 411047.04 3723780.34 0.02114
411067.04 3723780.34 0.02117 411087.04 3723780.34 0.02119
411107.04 3723780.34 0.02122 411127.04 3723780.34 0.02123
411147.04 3723780.34 0.02126 411167.04 3723780.34 0.02129
411187.04 3723780.34 0.02132 411207.04 3723780.34 0.02133
411227.04 3723780.34 0.02137 411247.04 3723780.34 0.02139

```
         411267.04    3723780.34        0.02142                       411287.04
3723780.34        0.02145
         411307.04    3723780.34        0.02148                       411327.04
3723780.34        0.02150
         411347.04    3723780.34        0.02154                       411367.04
3723780.34        0.02157
         411387.04    3723780.34        0.02160                       411407.04
3723780.34        0.02162
         411427.04    3723780.34        0.02165                       411447.04
3723780.34        0.02168
         411467.04    3723780.34        0.02171                       411487.04
3723780.34        0.02174
         411507.04    3723780.34        0.02177                       411527.04
3723780.34        0.02181
         411547.04    3723780.34        0.02184                       411567.04
3723780.34        0.02187
         411587.04    3723780.34        0.02190                       411607.04
3723780.34        0.02194
         410907.04    3723800.34        0.02107                       410927.04
3723800.34        0.02110
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                        ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        16:48:31

                                  PAGE 357
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1   ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)   Y-COORD (M)        CONC                      X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         410947.04    3723800.34        0.02112                       410967.04
```

3723800.34 0.02115
410987.04 3723800.34 0.02117 411007.04
3723800.34 0.02119
411027.04 3723800.34 0.02122 411047.04
3723800.34 0.02124
411067.04 3723800.34 0.02127 411087.04
3723800.34 0.02129
411107.04 3723800.34 0.02132 411127.04
3723800.34 0.02134
411147.04 3723800.34 0.02137 411167.04
3723800.34 0.02140
411187.04 3723800.34 0.02142 411207.04
3723800.34 0.02144
411227.04 3723800.34 0.02147 411247.04
3723800.34 0.02150
411267.04 3723800.34 0.02152 411287.04
3723800.34 0.02155
411307.04 3723800.34 0.02158 411327.04
3723800.34 0.02161
411347.04 3723800.34 0.02164 411367.04
3723800.34 0.02167
411387.04 3723800.34 0.02170 411407.04
3723800.34 0.02172
411427.04 3723800.34 0.02176 411447.04
3723800.34 0.02179
411467.04 3723800.34 0.02182 411487.04
3723800.34 0.02185
411507.04 3723800.34 0.02188 411527.04
3723800.34 0.02192
411547.04 3723800.34 0.02195 411567.04
3723800.34 0.02197
411587.04 3723800.34 0.02201 411607.04
3723800.34 0.02205
410907.04 3723820.34 0.02117 410927.04
3723820.34 0.02120
410947.04 3723820.34 0.02122 410967.04
3723820.34 0.02125
410987.04 3723820.34 0.02127 411007.04
3723820.34 0.02130
411027.04 3723820.34 0.02132 411047.04
3723820.34 0.02134
411067.04 3723820.34 0.02137 411087.04
3723820.34 0.02139
411107.04 3723820.34 0.02142 411127.04
3723820.34 0.02144
411147.04 3723820.34 0.02147 411167.04
3723820.34 0.02150
411187.04 3723820.34 0.02152 411207.04
3723820.34 0.02155
411227.04 3723820.34 0.02157 411247.04

3723820.34   0.02160
         411267.04   3723820.34   0.02163   411287.04
3723820.34   0.02166
         411307.04   3723820.34   0.02168   411327.04
3723820.34   0.02171
         411347.04   3723820.34   0.02174   411367.04
3723820.34   0.02177
         411387.04   3723820.34   0.02180   411407.04
3723820.34   0.02183
         411427.04   3723820.34   0.02186   411447.04
3723820.34   0.02189
         411467.04   3723820.34   0.02192   411487.04
3723820.34   0.02195
         411507.04   3723820.34   0.02199   411527.04
3723820.34   0.02202
         411547.04   3723820.34   0.02205   411567.04
3723820.34   0.02208
         411587.04   3723820.34   0.02212   411607.04
3723820.34   0.02216
         410907.04   3723840.34   0.02128   410927.04
3723840.34   0.02130
         410947.04   3723840.34   0.02132   410967.04
3723840.34   0.02135
         410987.04   3723840.34   0.02137   411007.04
3723840.34   0.02140
         411027.04   3723840.34   0.02142   411047.04
3723840.34   0.02145
         411067.04   3723840.34   0.02147   411087.04
3723840.34   0.02150

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1   ***
                                  INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                  L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0000013   ,
                  L0000014   , L0000015   , L0000016   , L0000017   , L0000018
, L0000019   , L0000020   , L0000021   ,
                  L0000022   , L0000023   , L0000024   , L0000025   , L0000026
, L0000027   , L0000028   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
411107.04	3723840.34	0.02152	411127.04	3723840.34	0.02155
411147.04	3723840.34	0.02158	411167.04	3723840.34	0.02161
411187.04	3723840.34	0.02163	411207.04	3723840.34	0.02166
411227.04	3723840.34	0.02169	411247.04	3723840.34	0.02171
411267.04	3723840.34	0.02174	411287.04	3723840.34	0.02177
411307.04	3723840.34	0.02180	411327.04	3723840.34	0.02183
411347.04	3723840.34	0.02186	411367.04	3723840.34	0.02188
411387.04	3723840.34	0.02191	411407.04	3723840.34	0.02194
411427.04	3723840.34	0.02197	411447.04	3723840.34	0.02200
411467.04	3723840.34	0.02203	411487.04	3723840.34	0.02206
411507.04	3723840.34	0.02210	411527.04	3723840.34	0.02213
411547.04	3723840.34	0.02216	411567.04	3723840.34	0.02220
411587.04	3723840.34	0.02223	411607.04	3723840.34	0.02227
410907.04	3723860.34	0.02138	410927.04	3723860.34	0.02140
410947.04	3723860.34	0.02142	410967.04	3723860.34	0.02145
410987.04	3723860.34	0.02148	411007.04	3723860.34	0.02150
411027.04	3723860.34	0.02153	411047.04	3723860.34	0.02155
411067.04	3723860.34	0.02158	411087.04	3723860.34	0.02161
411107.04	3723860.34	0.02164	411127.04	3723860.34	0.02167
411147.04	3723860.34	0.02169	411167.04	3723860.34	0.02172
411187.04	3723860.34	0.02175	411207.04	3723860.34	0.02177

```
         411227.04    3723860.34        0.02180                        411247.04
3723860.34        0.02183
         411267.04    3723860.34        0.02185                        411287.04
3723860.34        0.02188
         411307.04    3723860.34        0.02191                        411327.04
3723860.34        0.02194
         411347.04    3723860.34        0.02197                        411367.04
3723860.34        0.02200
         411387.04    3723860.34        0.02203                        411407.04
3723860.34        0.02205
         411427.04    3723860.34        0.02208                        411447.04
3723860.34        0.02212
         411467.04    3723860.34        0.02215                        411487.04
3723860.34        0.02217
         411507.04    3723860.34        0.02221                        411527.04
3723860.34        0.02225
         411547.04    3723860.34        0.02228                        411567.04
3723860.34        0.02231
         411587.04    3723860.34        0.02234                        411607.04
3723860.34        0.02238
         410907.04    3723880.34        0.02147                        410927.04
3723880.34        0.02150
         410947.04    3723880.34        0.02153                        410967.04
3723880.34        0.02155
         410987.04    3723880.34        0.02158                        411007.04
3723880.34        0.02160
         411027.04    3723880.34        0.02163                        411047.04
3723880.34        0.02165
         411067.04    3723880.34        0.02169                        411087.04
3723880.34        0.02172
         411107.04    3723880.34        0.02174                        411127.04
3723880.34        0.02177
         411147.04    3723880.34        0.02180                        411167.04
3723880.34        0.02183
         411187.04    3723880.34        0.02185                        411207.04
3723880.34        0.02188
         411227.04    3723880.34        0.02191                        411247.04
3723880.34        0.02193
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                        ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        16:48:31

                                  PAGE 359
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                  *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1   ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
```

```
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                 L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                 L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         411267.04    3723880.34        0.02196                       411287.04
3723880.34        0.02199
         411307.04    3723880.34        0.02202                       411327.04
3723880.34        0.02205
         411347.04    3723880.34        0.02207                       411367.04
3723880.34        0.02210
         411387.04    3723880.34        0.02213                       411407.04
3723880.34        0.02216
         411427.04    3723880.34        0.02219                       411447.04
3723880.34        0.02223
         411467.04    3723880.34        0.02226                       411487.04
3723880.34        0.02229
         411507.04    3723880.34        0.02232                       411527.04
3723880.34        0.02235
         411547.04    3723880.34        0.02239                       411567.04
3723880.34        0.02242
         411587.04    3723880.34        0.02245                       411607.04
3723880.34        0.02250
         410907.04    3723900.34        0.02159                       410927.04
3723900.34        0.02162
         410947.04    3723900.34        0.02164                       410967.04
3723900.34        0.02166
         410987.04    3723900.34        0.02169                       411007.04
3723900.34        0.02172
         411027.04    3723900.34        0.02175                       411047.04
3723900.34        0.02176
         411067.04    3723900.34        0.02180                       411087.04
3723900.34        0.02183
         411107.04    3723900.34        0.02185                       411127.04
3723900.34        0.02189
         411147.04    3723900.34        0.02192                       411167.04
3723900.34        0.02194
         411187.04    3723900.34        0.02197                       411207.04
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3723900.34        0.02200
         411227.04    3723900.34        0.02203                       411247.04
3723900.34        0.02205
         411267.04    3723900.34        0.02208                       411287.04
3723900.34        0.02211
         411307.04    3723900.34        0.02213                       411327.04
3723900.34        0.02216
         411347.04    3723900.34        0.02219                       411367.04
3723900.34        0.02222
         411387.04    3723900.34        0.02225                       411407.04
3723900.34        0.02227
         411427.04    3723900.34        0.02230                       411447.04
3723900.34        0.02234
         411467.04    3723900.34        0.02237                       411487.04
3723900.34        0.02240
         411507.04    3723900.34        0.02243                       411527.04
3723900.34        0.02246
         411547.04    3723900.34        0.02250                       411567.04
3723900.34        0.02254
         411587.04    3723900.34        0.02257                       411607.04
3723900.34        0.02261
         410907.04    3723920.34        0.02170                       410927.04
3723920.34        0.02173
         410947.04    3723920.34        0.02175                       410967.04
3723920.34        0.02177
         410987.04    3723920.34        0.02180                       411007.04
3723920.34        0.02183
         411027.04    3723920.34        0.02186                       411047.04
3723920.34        0.02188
         411067.04    3723920.34        0.02191                       411087.04
3723920.34        0.02194
         411107.04    3723920.34        0.02196                       411127.04
3723920.34        0.02200
         411147.04    3723920.34        0.02203                       411167.04
3723920.34        0.02206
         411187.04    3723920.34        0.02208                       411207.04
3723920.34        0.02211
         411227.04    3723920.34        0.02214                       411247.04
3723920.34        0.02217
         411267.04    3723920.34        0.02219                       411287.04
3723920.34        0.02222
         411307.04    3723920.34        0.02225                       411327.04
3723920.34        0.02228
         411347.04    3723920.34        0.02230                       411367.04
3723920.34        0.02233
         411387.04    3723920.34        0.02236                       411407.04
3723920.34        0.02238
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SRCGP1 ***

INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
411427.04	3723920.34	0.02242	411447.04	3723920.34	0.02246
411467.04	3723920.34	0.02249	411487.04	3723920.34	0.02251
411507.04	3723920.34	0.02254	411527.04	3723920.34	0.02258
411547.04	3723920.34	0.02262	411567.04	3723920.34	0.02265
411587.04	3723920.34	0.02269	411607.04	3723920.34	0.02272
410907.04	3723940.34	0.02181	410927.04	3723940.34	0.02184
410947.04	3723940.34	0.02186	410967.04	3723940.34	0.02189
410987.04	3723940.34	0.02191	411007.04	3723940.34	0.02195
411027.04	3723940.34	0.02197	411047.04	3723940.34	0.02199
411067.04	3723940.34	0.02202	411087.04	3723940.34	0.02205
411107.04	3723940.34	0.02208	411127.04	3723940.34	0.02211
411147.04	3723940.34	0.02214	411167.04	3723940.34	0.02217

411187.04 3723940.34 0.02220 411207.04
3723940.34 0.02223
411227.04 3723940.34 0.02225 411247.04
3723940.34 0.02228
411267.04 3723940.34 0.02231 411287.04
3723940.34 0.02234
411307.04 3723940.34 0.02237 411327.04
3723940.34 0.02240
411347.04 3723940.34 0.02243 411367.04
3723940.34 0.02246
411387.04 3723940.34 0.02249 411407.04
3723940.34 0.02250
411427.04 3723940.34 0.02253 411447.04
3723940.34 0.02257
411467.04 3723940.34 0.02260 411487.04
3723940.34 0.02263
411507.04 3723940.34 0.02266 411527.04
3723940.34 0.02270
411547.04 3723940.34 0.02273 411567.04
3723940.34 0.02277
411587.04 3723940.34 0.02280 411607.04
3723940.34 0.02284
410907.04 3723960.34 0.02192 410927.04
3723960.34 0.02195
410947.04 3723960.34 0.02198 410967.04
3723960.34 0.02200
410987.04 3723960.34 0.02203 411007.04
3723960.34 0.02206
411027.04 3723960.34 0.02208 411047.04
3723960.34 0.02210
411067.04 3723960.34 0.02213 411087.04
3723960.34 0.02216
411107.04 3723960.34 0.02219 411127.04
3723960.34 0.02223
411147.04 3723960.34 0.02226 411167.04
3723960.34 0.02229
411187.04 3723960.34 0.02231 411207.04
3723960.34 0.02234
411227.04 3723960.34 0.02237 411247.04
3723960.34 0.02239
411267.04 3723960.34 0.02242 411287.04
3723960.34 0.02245
411307.04 3723960.34 0.02248 411327.04
3723960.34 0.02251
411347.04 3723960.34 0.02254 411367.04
3723960.34 0.02257
411387.04 3723960.34 0.02260 411407.04
3723960.34 0.02262
411427.04 3723960.34 0.02265 411447.04
3723960.34 0.02268

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SRCGP1 ***

INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
411587.04	3723960.34	0.02292	411607.04	3723960.34	0.02296
412145.57	3727370.39	0.18768	412165.57	3727370.39	0.19082
412185.57	3727370.39	0.19413	412205.57	3727370.39	0.19735
412225.57	3727370.39	0.20051	412245.57	3727370.39	0.20368
412265.57	3727370.39	0.20697	412285.57	3727370.39	0.21019
412305.57	3727370.39	0.21337	412325.57	3727370.39	0.21652
412345.57	3727370.39	0.21963	412365.57	3727370.39	0.22272
412145.57	3727390.39	0.19297	412165.57		

```
3727390.39        0.19639
         412185.57    3727390.39        0.19996                    412205.57
3727390.39        0.20345
         412225.57    3727390.39        0.20693                    412245.57
3727390.39        0.21041
         412265.57    3727390.39        0.21397                    412285.57
3727390.39        0.21751
         412305.57    3727390.39        0.22102                    412325.57
3727390.39        0.22447
         412345.57    3727390.39        0.22790                    412365.57
3727390.39        0.23135
         412145.57    3727410.39        0.19842                    412165.57
3727410.39        0.20220
         412185.57    3727410.39        0.20598                    412205.57
3727410.39        0.20980
         412225.57    3727410.39        0.21363                    412245.57
3727410.39        0.21747
         412265.57    3727410.39        0.22132                    412285.57
3727410.39        0.22519
         412305.57    3727410.39        0.22904                    412325.57
3727410.39        0.23287
         412345.57    3727410.39        0.23667                    412365.57
3727410.39        0.24051
         412145.57    3727430.39        0.20415                    412165.57
3727430.39        0.20825
         412185.57    3727430.39        0.21236                    412205.57
3727430.39        0.21652
         412225.57    3727430.39        0.22071                    412245.57
3727430.39        0.22491
         412265.57    3727430.39        0.22914                    412285.57
3727430.39        0.23338
         412305.57    3727430.39        0.23762                    412325.57
3727430.39        0.24184
         412345.57    3727430.39        0.24605                    412365.57
3727430.39        0.25024
         412145.57    3727450.39        0.20999                    412165.57
3727450.39        0.21441
         412185.57    3727450.39        0.21887                    412205.57
3727450.39        0.22340
         412225.57    3727450.39        0.22797                    412245.57
3727450.39        0.23260
         412265.57    3727450.39        0.23724                    412285.57
3727450.39        0.24189
         412305.57    3727450.39        0.24657                    412325.57
3727450.39        0.25124
         412345.57    3727450.39        0.25589                    412365.57
3727450.39        0.26052
         412145.57    3727470.39        0.21591                    412165.57
3727470.39        0.22068
         412185.57    3727470.39        0.22551                    412205.57
```

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3727470.39        0.23046
         412225.57    3727470.39        0.23543                      412245.57
3727470.39        0.24049
         412265.57    3727470.39        0.24559                      412285.57
3727470.39        0.25070
         412305.57    3727470.39        0.25586                      412325.57
3727470.39        0.26106
         412345.57    3727470.39        0.26623                      412365.57
3727470.39        0.27139
         412145.57    3727490.39        0.22194                      412165.57
3727490.39        0.22709
         412185.57    3727490.39        0.23234                      412205.57
3727490.39        0.23771
         412225.57    3727490.39        0.24314                      412245.57
3727490.39        0.24866
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                        ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        16:48:31

                                  PAGE 362
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1   ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                     *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)   Y-COORD (M)        CONC                      X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
         412265.57    3727490.39        0.25426                      412285.57
3727490.39        0.25990
         412305.57    3727490.39        0.26560                      412325.57
3727490.39        0.27135
         412345.57    3727490.39        0.27711                      412365.57
3727490.39        0.28286
```

412145.57 3727510.39 0.22811 412165.57 3727510.39 0.23369
412185.57 3727510.39 0.23938 412205.57 3727510.39 0.24519
412225.57 3727510.39 0.25111 412245.57 3727510.39 0.25714
412265.57 3727510.39 0.26327 412285.57 3727510.39 0.26949
412305.57 3727510.39 0.27578 412325.57 3727510.39 0.28214
412345.57 3727510.39 0.28857 412365.57 3727510.39 0.29499
412145.57 3727530.39 0.23431 412165.57 3727530.39 0.24031
412185.57 3727530.39 0.24647 412205.57 3727530.39 0.25277
412225.57 3727530.39 0.25920 412245.57 3727530.39 0.26578
412265.57 3727530.39 0.27249 412285.57 3727530.39 0.27933
412305.57 3727530.39 0.28627 412325.57 3727530.39 0.29333
412345.57 3727530.39 0.30053 412365.57 3727530.39 0.30771
412145.57 3727550.39 0.24061 412165.57 3727550.39 0.24707
412185.57 3727550.39 0.25370 412205.57 3727550.39 0.26052
412225.57 3727550.39 0.26751 412245.57 3727550.39 0.27468
412265.57 3727550.39 0.28203 412285.57 3727550.39 0.28954
412305.57 3727550.39 0.29720 412325.57 3727550.39 0.30498
412345.57 3727550.39 0.31303 412365.57 3727550.39 0.32107
412145.57 3727570.39 0.24709 412165.57 3727570.39 0.25402
412185.57 3727570.39 0.26115 412205.57 3727570.39 0.26854
412225.57 3727570.39 0.27611 412245.57 3727570.39 0.28392
412265.57 3727570.39 0.29196 412285.57 3727570.39 0.30020
412305.57 3727570.39 0.30863 412325.57 3727570.39 0.31716
412345.57 3727570.39 0.32610 412365.57 3727570.39 0.33506
412145.57 3727590.39 0.25355 412165.57 3727590.39 0.26098

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         412185.57    3727590.39        0.26866                      412205.57
3727590.39        0.27661
         412225.57    3727590.39        0.28481                      412245.57
3727590.39        0.29329
         412265.57    3727590.39        0.30205                      412285.57
3727590.39        0.31107
         412305.57    3727590.39        0.32030                      412325.57
3727590.39        0.32975
         412345.57    3727590.39        0.33967                      412365.57
3727590.39        0.34967
         412145.57    3727610.39        0.26000                      412165.57
3727610.39        0.26793
         412185.57    3727610.39        0.27616                      412205.57
3727610.39        0.28470
         412225.57    3727610.39        0.29356                      412245.57
3727610.39        0.30273
         412265.57    3727610.39        0.31230                      412285.57
3727610.39        0.32220
         412305.57    3727610.39        0.33235                      412325.57
3727610.39        0.34276
         412345.57    3727610.39        0.35372                      412365.57
3727610.39        0.36487
         412145.57    3727630.39        0.26647                      412165.57
3727630.39        0.27494
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                         ***        16:48:31

                                    PAGE 363
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1   ***
                                    INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                    ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                         X-COORD (M)
```

Y-COORD (M) CONC

412185.57 3727630.39 0.28374 412205.57 3727630.39 0.29291
412225.57 3727630.39 0.30245 412245.57 3727630.39 0.31237
412265.57 3727630.39 0.32278 412285.57 3727630.39 0.33358
412305.57 3727630.39 0.34470 412325.57 3727630.39 0.35615
412345.57 3727630.39 0.36819 412365.57 3727630.39 0.38062
412145.57 3727650.39 0.27311 412165.57 3727650.39 0.28211
412185.57 3727650.39 0.29150 412205.57 3727650.39 0.30132
412225.57 3727650.39 0.31157 412245.57 3727650.39 0.32230
412265.57 3727650.39 0.33347 412285.57 3727650.39 0.34519
412305.57 3727650.39 0.35731 412325.57 3727650.39 0.36990
412345.57 3727650.39 0.38326 412365.57 3727650.39 0.39700
412145.57 3727670.39 0.27965 412165.57 3727670.39 0.28921
412185.57 3727670.39 0.29922 412205.57 3727670.39 0.30971
412225.57 3727670.39 0.32070 412245.57 3727670.39 0.33221
412265.57 3727670.39 0.34429 412285.57 3727670.39 0.35697
412305.57 3727670.39 0.37017 412325.57 3727670.39 0.38395
412345.57 3727670.39 0.39864 412365.57 3727670.39 0.41382
412145.57 3727690.39 0.28608 412165.57 3727690.39 0.29621
412185.57 3727690.39 0.30684 412205.57 3727690.39 0.31802
412225.57 3727690.39 0.32976 412245.57 3727690.39 0.34207
412265.57 3727690.39 0.35517 412285.57 3727690.39 0.36888
412305.57 3727690.39 0.38321 412325.57 3727690.39 0.39825
412345.57 3727690.39 0.41433 412365.57 3727690.39 0.43105
412145.57 3727710.39 0.29253 412165.57

```
3727710.39        0.30324
         412185.57    3727710.39        0.31450                        412205.57
3727710.39        0.32638
         412225.57    3727710.39        0.33890                        412245.57
3727710.39        0.35208
         412265.57    3727710.39        0.36614                        412285.57
3727710.39        0.38091
         412305.57    3727710.39        0.39643                        412325.57
3727710.39        0.41277
         412345.57    3727710.39        0.43031                        412365.57
3727710.39        0.44869
         412145.57    3727730.39        0.29909                        412165.57
3727730.39        0.31040
         412185.57    3727730.39        0.32231                        412205.57
3727730.39        0.33490
         412225.57    3727730.39        0.34820                        412245.57
3727730.39        0.36228
         412265.57    3727730.39        0.37722                        412285.57
3727730.39        0.39304
         412305.57    3727730.39        0.40977                        412325.57
3727730.39        0.42747
         412345.57    3727730.39        0.44656                        412365.57
3727730.39        0.46664
         412145.57    3727750.39        0.30549                        412165.57
3727750.39        0.31738
         412185.57    3727750.39        0.32996                        412205.57
3727750.39        0.34325
         412225.57    3727750.39        0.35737                        412245.57
3727750.39        0.37236
         412265.57    3727750.39        0.38828                        412285.57
3727750.39        0.40519
         412305.57    3727750.39        0.42320                        412325.57
3727750.39        0.44231
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                        ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        16:48:31

                                   PAGE 364
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1   ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
```

, L0000027   , L0000028   , . . .   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10   IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
412345.57	3727750.39	0.46298	412365.57	3727750.39	0.48486
412145.57	3727770.39	0.31176	412165.57	3727770.39	0.32424
412185.57	3727770.39	0.33748	412205.57	3727770.39	0.35152
412225.57	3727770.39	0.36645	412245.57	3727770.39	0.38233
412265.57	3727770.39	0.39927	412285.57	3727770.39	0.41733
412305.57	3727770.39	0.43664	412325.57	3727770.39	0.45722
412345.57	3727770.39	0.47953	412365.57	3727770.39	0.50329
412145.57	3727790.39	0.31791	412165.57	3727790.39	0.33098
412185.57	3727790.39	0.34487	412205.57	3727790.39	0.35965
412225.57	3727790.39	0.37541	412245.57	3727790.39	0.39221
412265.57	3727790.39	0.41017	412285.57	3727790.39	0.42940
412305.57	3727790.39	0.45002	412325.57	3727790.39	0.47219
412345.57	3727790.39	0.49619	412365.57	3727790.39	0.52184
412145.57	3727810.39	0.32412	412165.57	3727810.39	0.33780
412185.57	3727810.39	0.35237	412205.57	3727810.39	0.36789
412225.57	3727810.39	0.38449	412245.57	3727810.39	0.40221
412265.57	3727810.39	0.42123	412285.57	3727810.39	0.44166
412305.57	3727810.39	0.46360	412325.57	3727810.39	0.48727
412345.57	3727810.39	0.51287	412365.57	3727810.39	0.54045

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         412145.57    3727830.39        0.33003                        412165.57
3727830.39        0.34431
         412185.57    3727830.39        0.35955                        412205.57
3727830.39        0.37582
         412225.57    3727830.39        0.39325                        412245.57
3727830.39        0.41193
         412265.57    3727830.39        0.43197                        412285.57
3727830.39        0.45358
         412305.57    3727830.39        0.47688                        412325.57
3727830.39        0.50206
         412345.57    3727830.39        0.52936                        412365.57
3727830.39        0.55893
         412145.57    3727850.39        0.33588                        412165.57
3727850.39        0.35075
         412185.57    3727850.39        0.36665                        412205.57
3727850.39        0.38366
         412225.57    3727850.39        0.40192                        412245.57
3727850.39        0.42156
         412265.57    3727850.39        0.44268                        412285.57
3727850.39        0.46547
         412305.57    3727850.39        0.49012                        412325.57
3727850.39        0.51684
         412345.57    3727850.39        0.54589                        412365.57
3727850.39        0.57753
         412145.57    3727870.39        0.34168                        412165.57
3727870.39        0.35722
         412185.57    3727870.39        0.37380                        412205.57
3727870.39        0.39142
         412225.57    3727870.39        0.41062                        412245.57
3727870.39        0.43128
         412265.57    3727870.39        0.45348                        412285.57
3727870.39        0.47750
         412305.57    3727870.39        0.50354                        412325.57
3727870.39        0.53186
         412345.57    3727870.39        0.56270                        412365.57
3727870.39        0.59616
         412145.57    3727890.39        0.34724                        412165.57
3727890.39        0.36337
         412185.57    3727890.39        0.38060                        412205.57
3727890.39        0.39896
         412225.57    3727890.39        0.41894                        412245.57
3727890.39        0.44048
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                        ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        16:48:31

                                  PAGE 365
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
```

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SRCGP1 ***

INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
412265.57	3727890.39	0.46375	412285.57	3727890.39	0.48896
412305.57	3727890.39	0.51636	412325.57	3727890.39	0.54621
412345.57	3727890.39	0.57881	412365.57	3727890.39	0.61446
412145.57	3727910.39	0.35258	412165.57	3727910.39	0.36928
412185.57	3727910.39	0.38716	412205.57	3727910.39	0.40625
412225.57	3727910.39	0.42698	412245.57	3727910.39	0.44943
412265.57	3727910.39	0.47373	412285.57	3727910.39	0.50013
412305.57	3727910.39	0.52887	412325.57	3727910.39	0.56027
412345.57	3727910.39	0.59467	412365.57	3727910.39	0.63244
412145.57	3727930.39	0.35768	412165.57	3727930.39	0.37495
412185.57	3727930.39	0.39345	412205.57	3727930.39	0.41326
412225.57	3727930.39	0.43489	412245.57	3727930.39	0.45830
412265.57	3727930.39	0.48366	412285.57	3727930.39	0.51123
412305.57	3727930.39	0.54132	412325.57	3727930.39	0.57424
412345.57	3727930.39	0.61044	412365.57		

3727930.39 0.65003
412145.57 3727950.39 0.36252 412165.57
3727950.39 0.38032
412185.57 3727950.39 0.39948 412205.57
3727950.39 0.41998
412225.57 3727950.39 0.44241 412245.57
3727950.39 0.46676
412265.57 3727950.39 0.49312 412285.57
3727950.39 0.52184
412305.57 3727950.39 0.55324 412325.57
3727950.39 0.58768
412345.57 3727950.39 0.62559 412365.57
3727950.39 0.66712
412145.57 3727970.39 0.36708 412165.57
3727970.39 0.38543
412185.57 3727970.39 0.40519 412205.57
3727970.39 0.42637
412225.57 3727970.39 0.44957 412245.57
3727970.39 0.47475
412265.57 3727970.39 0.50209 412285.57
3727970.39 0.53194
412305.57 3727970.39 0.56461 412325.57
3727970.39 0.60052
412345.57 3727970.39 0.64009 412365.57
3727970.39 0.68361
412145.57 3727990.39 0.37136 412165.57
3727990.39 0.39023
412185.57 3727990.39 0.41058 412205.57
3727990.39 0.43241
412225.57 3727990.39 0.45623 412245.57
3727990.39 0.48219
412265.57 3727990.39 0.51048 412285.57
3727990.39 0.54142
412305.57 3727990.39 0.57534 412325.57
3727990.39 0.61266
412345.57 3727990.39 0.65387 412365.57
3727990.39 0.69942
412145.57 3728010.39 0.37535 412165.57
3728010.39 0.39469
412185.57 3728010.39 0.41560 412205.57
3728010.39 0.43805
412225.57 3728010.39 0.46270 412245.57
3728010.39 0.48951
412265.57 3728010.39 0.51873 412285.57
3728010.39 0.55073
412305.57 3728010.39 0.58583 412325.57
3728010.39 0.62452
412345.57 3728010.39 0.66729 412365.57
3728010.39 0.71451
412145.57 3728030.39 0.37900 412165.57

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1   ***
                                    INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                  L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0000013   ,
                  L0000014   , L0000015   , L0000016   , L0000017   , L0000018
, L0000019   , L0000020   , L0000021   ,
                  L0000022   , L0000023   , L0000024   , L0000025   , L0000026
, L0000027   , L0000028   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                           ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         412185.57   3728030.39   0.42026   412205.57
3728030.39   0.44328
         412225.57   3728030.39   0.46861   412245.57
3728030.39   0.49622
         412265.57   3728030.39   0.52633   412285.57
3728030.39   0.55929
         412305.57   3728030.39   0.59557   412325.57
3728030.39   0.63557
         412345.57   3728030.39   0.67987   412365.57
3728030.39   0.72875
         412145.57   3728050.39   0.38230   412165.57
3728050.39   0.40255
         412185.57   3728050.39   0.42448   412205.57
3728050.39   0.44808
         412225.57   3728050.39   0.47404   412245.57
3728050.39   0.50232
         412265.57   3728050.39   0.53326   412285.57
3728050.39   0.56717
         412305.57   3728050.39   0.60452   412325.57
3728050.39   0.64577

412345.57 3728050.39 0.69148 412365.57
3728050.39 0.74205
412145.57 3728070.39 0.38529 412165.57
3728070.39 0.40592
412185.57 3728070.39 0.42832 412205.57
3728070.39 0.45241
412225.57 3728070.39 0.47883 412245.57
3728070.39 0.50777
412265.57 3728070.39 0.53945 412285.57
3728070.39 0.57426
412305.57 3728070.39 0.61261 412325.57
3728070.39 0.65501
412345.57 3728070.39 0.70203 412365.57
3728070.39 0.75432
412145.57 3728090.39 0.38798 412165.57
3728090.39 0.40893
412185.57 3728090.39 0.43168 412205.57
3728090.39 0.45626
412225.57 3728090.39 0.48330 412245.57
3728090.39 0.51291
412265.57 3728090.39 0.54532 412285.57
3728090.39 0.58094
412305.57 3728090.39 0.62022 412325.57
3728090.39 0.66370
412345.57 3728090.39 0.71199 412365.57
3728090.39 0.76561
412145.57 3728110.39 0.39025 412165.57
3728110.39 0.41154
412185.57 3728110.39 0.43464 412205.57
3728110.39 0.45962
412225.57 3728110.39 0.48726 412245.57
3728110.39 0.51747
412265.57 3728110.39 0.55053 412285.57
3728110.39 0.58690
412305.57 3728110.39 0.62704 412325.57
3728110.39 0.67155
412345.57 3728110.39 0.72100 412365.57
3728110.39 0.77582
412145.57 3728130.39 0.39209 412165.57
3728130.39 0.41364
412185.57 3728130.39 0.43710 412205.57
3728130.39 0.46248
412225.57 3728130.39 0.49052 412245.57
3728130.39 0.52123
412265.57 3728130.39 0.55485 412285.57
3728130.39 0.59188
412305.57 3728130.39 0.63283 412325.57
3728130.39 0.67820
412345.57 3728130.39 0.72861 412365.57
3728130.39 0.78476

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                              *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1   ***
                                 INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                  L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0000013   ,
                  L0000014   , L0000015   , L0000016   , L0000017   , L0000018
, L0000019   , L0000020   , L0000021   ,
                  L0000022   , L0000023   , L0000024   , L0000025   , L0000026
, L0000027   , L0000028   , . . .   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                 ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
        412345.57   3728150.39   0.73518   412365.57
3728150.39   0.79251
        412145.57   3728170.39   0.39451   412165.57
3728170.39   0.41641
        412185.57   3728170.39   0.44040   412205.57
3728170.39   0.46661
        412225.57   3728170.39   0.49524   412245.57
3728170.39   0.52669
        412265.57   3728170.39   0.56128   412285.57
3728170.39   0.59944
        412305.57   3728170.39   0.64168   412325.57

3728170.39 0.68853
412345.57 3728170.39 0.74072 412365.57
3728170.39 0.79907
412145.57 3728190.39 0.39535 412165.57
3728190.39 0.41732
412185.57 3728190.39 0.44151 412205.57
3728190.39 0.46799
412225.57 3728190.39 0.49694 412245.57
3728190.39 0.52873
412265.57 3728190.39 0.56368 412285.57
3728190.39 0.60231
412305.57 3728190.39 0.64506 412325.57
3728190.39 0.69257
412345.57 3728190.39 0.74546 412365.57
3728190.39 0.80439
412145.57 3728210.39 0.39560 412165.57
3728210.39 0.41770
412185.57 3728210.39 0.44205 412205.57
3728210.39 0.46872
412225.57 3728210.39 0.49786 412245.57
3728210.39 0.52986
412265.57 3728210.39 0.56513 412285.57
3728210.39 0.60408
412305.57 3728210.39 0.64725 412325.57
3728210.39 0.69524
412345.57 3728210.39 0.74874 412365.57
3728210.39 0.80837
412145.57 3728230.39 0.39540 412165.57
3728230.39 0.41764
412185.57 3728230.39 0.44211 412205.57
3728230.39 0.46885
412225.57 3728230.39 0.49810 412245.57
3728230.39 0.53026
412265.57 3728230.39 0.56574 412285.57
3728230.39 0.60495
412305.57 3728230.39 0.64841 412325.57
3728230.39 0.69677
412345.57 3728230.39 0.75076 412365.57
3728230.39 0.81101
412145.57 3728250.39 0.39477 412165.57
3728250.39 0.41715
412185.57 3728250.39 0.44160 412205.57
3728250.39 0.46827
412225.57 3728250.39 0.49762 412245.57
3728250.39 0.52990
412265.57 3728250.39 0.56548 412285.57
3728250.39 0.60486
412305.57 3728250.39 0.64854 412325.57
3728250.39 0.69715
412345.57 3728250.39 0.75144 412365.57

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3728250.39        0.81232
         412145.57    3728270.39        0.39399                       412165.57
3728270.39        0.41641
         412185.57    3728270.39        0.44095                       412205.57
3728270.39        0.46748
         412225.57    3728270.39        0.49692                       412245.57
3728270.39        0.52934
         412265.57    3728270.39        0.56500                       412285.57
3728270.39        0.60448
         412305.57    3728270.39        0.64826                       412325.57
3728270.39        0.69704
         412345.57    3728270.39        0.75154                       412365.57
3728270.39        0.81236
         412145.57    3728290.39        0.39283                       412165.57
3728290.39        0.41517
         412185.57    3728290.39        0.43963                       412205.57
3728290.39        0.46608
         412225.57    3728290.39        0.49553                       412245.57
3728290.39        0.52791
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                         ***        16:48:31

                                    PAGE 368
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1   ***
                                    INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                    ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                          X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
         412265.57    3728290.39        0.56352                       412285.57
3728290.39        0.60297
```

412305.57 3728290.39 0.64678 412325.57
3728290.39 0.69562
412345.57 3728290.39 0.75015 412365.57
3728290.39 0.81106
412145.57 3728310.39 0.39131 412165.57
3728310.39 0.41354
412185.57 3728310.39 0.43786 412205.57
3728310.39 0.46420
412225.57 3728310.39 0.49354 412245.57
3728310.39 0.52574
412265.57 3728310.39 0.56122 412285.57
3728310.39 0.60055
412305.57 3728310.39 0.64426 412325.57
3728310.39 0.69300
412345.57 3728310.39 0.74744 412365.57
3728310.39 0.80839
412145.57 3728330.39 0.38943 412165.57
3728330.39 0.41151
412185.57 3728330.39 0.43564 412205.57
3728330.39 0.46185
412225.57 3728330.39 0.49084 412245.57
3728330.39 0.52281
412265.57 3728330.39 0.55809 412285.57
3728330.39 0.59720
412305.57 3728330.39 0.64067 412325.57
3728330.39 0.68914
412345.57 3728330.39 0.74340 412365.57
3728330.39 0.80435
412145.57 3728350.39 0.38722 412165.57
3728350.39 0.40912
412185.57 3728350.39 0.43305 412205.57
3728350.39 0.45904
412225.57 3728350.39 0.48787 412245.57
3728350.39 0.51962
412265.57 3728350.39 0.55462 412285.57
3728350.39 0.59345
412305.57 3728350.39 0.63660 412325.57
3728350.39 0.68470
412345.57 3728350.39 0.73856 412365.57
3728350.39 0.79904
412145.57 3728370.39 0.38470 412165.57
3728370.39 0.40637
412185.57 3728370.39 0.43009 412205.57
3728370.39 0.45579
412225.57 3728370.39 0.48439 412245.57
3728370.39 0.51581
412265.57 3728370.39 0.55048 412285.57
3728370.39 0.58892
412305.57 3728370.39 0.63163 412325.57
3728370.39 0.67929

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         412345.57    3728370.39        0.73266                        412365.57
3728370.39        0.79245
         412145.57    3728390.39        0.38190                        412165.57
3728390.39        0.40330
         412185.57    3728390.39        0.42672                        412205.57
3728390.39        0.45210
         412225.57    3728390.39        0.48040                        412245.57
3728390.39        0.51146
         412265.57    3728390.39        0.54565                        412285.57
3728390.39        0.58358
         412305.57    3728390.39        0.62576                        412325.57
3728390.39        0.67282
         412345.57    3728390.39        0.72553                        412365.57
3728390.39        0.78458
         412145.57    3728410.39        0.37878                        412165.57
3728410.39        0.39990
         412185.57    3728410.39        0.42296                        412205.57
3728410.39        0.44801
         412225.57    3728410.39        0.47579                        412245.57
3728410.39        0.50633
         412265.57    3728410.39        0.54004                        412285.57
3728410.39        0.57740
         412305.57    3728410.39        0.61893                        412325.57
3728410.39        0.66529
         412345.57    3728410.39        0.71717                        412365.57
3728410.39        0.77548
         412145.57    3728430.39        0.37537                        412165.57
3728430.39        0.39618
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                         ***        16:48:31

                                    PAGE 369
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1   ***
                                    INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***
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** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
412185.57	3728430.39	0.41888	412205.57	3728430.39	0.44353
412225.57	3728430.39	0.47082	412245.57	3728430.39	0.50085
412265.57	3728430.39	0.53399	412285.57	3728430.39	0.57070
412305.57	3728430.39	0.61150	412325.57	3728430.39	0.65703
412345.57	3728430.39	0.70800	412365.57	3728430.39	0.76528
412145.57	3728450.39	0.37170	412165.57	3728450.39	0.39215
412185.57	3728450.39	0.41447	412205.57	3728450.39	0.43868
412225.57	3728450.39	0.46559	412245.57	3728450.39	0.49508
412265.57	3728450.39	0.52760	412285.57	3728450.39	0.56357
412305.57	3728450.39	0.60358	412325.57	3728450.39	0.64815
412345.57	3728450.39	0.69808	412365.57	3728450.39	0.75406
412145.57	3728470.39	0.36777	412165.57	3728470.39	0.38783
412185.57	3728470.39	0.40974	412205.57	3728470.39	0.43347
412225.57	3728470.39	0.45985	412245.57	3728470.39	0.48873
412265.57	3728470.39	0.52058	412285.57	3728470.39	0.55577
412305.57	3728470.39	0.59485	412325.57	3728470.39	0.63842
412345.57	3728470.39	0.68718	412365.57	3728470.39	0.74181
412145.57	3728490.39	0.36362	412165.57	3728490.39	0.38326
412185.57	3728490.39	0.40471	412205.57	3728490.39	0.42794
412225.57	3728490.39	0.45371	412245.57	3728490.39	0.48193
412265.57	3728490.39	0.51301	412285.57	3728490.39	0.54737
412305.57	3728490.39	0.58547	412325.57		

```
3728490.39        0.62794
         412345.57    3728490.39        0.67539                        412365.57
3728490.39        0.72862
         412145.57    3728510.39        0.35922                        412165.57
3728510.39        0.37843
         412185.57    3728510.39        0.39938                        412205.57
3728510.39        0.42208
         412225.57    3728510.39        0.44710                        412245.57
3728510.39        0.47461
         412265.57    3728510.39        0.50490                        412285.57
3728510.39        0.53834
         412305.57    3728510.39        0.57543                        412325.57
3728510.39        0.61671
         412345.57    3728510.39        0.66282                        412365.57
3728510.39        0.71458
         412145.57    3728530.39        0.35458                        412165.57
3728530.39        0.37336
         412185.57    3728530.39        0.39378                        412205.57
3728530.39        0.41593
         412225.57    3728530.39        0.44044                        412245.57
3728530.39        0.46724
         412265.57    3728530.39        0.49668                        412285.57
3728530.39        0.52917
         412305.57    3728530.39        0.56517                        412325.57
3728530.39        0.60518
         412345.57    3728530.39        0.64983                        412365.57
3728530.39        0.69978
         412145.57    3728550.39        0.34969                        412165.57
3728550.39        0.36801
         412185.57    3728550.39        0.38794                        412205.57
3728550.39        0.40950
         412225.57    3728550.39        0.43334                        412245.57
3728550.39        0.45938
         412265.57    3728550.39        0.48796                        412285.57
3728550.39        0.51946
         412305.57    3728550.39        0.55431                        412325.57
3728550.39        0.59299
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
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 *** AERMET - VERSION  16216 ***   ***
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                                    PAGE 370
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1   ***
                                    INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
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, L0000011    , L0000012    , L0000013    ,
                L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                 **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         412345.57    3728550.39        0.63613                       412365.57
3728550.39        0.68427
         412145.57    3728570.39        0.34461                       412165.57
3728570.39        0.36246
         412185.57    3728570.39        0.38187                       412205.57
3728570.39        0.40282
         412225.57    3728570.39        0.42595                       412245.57
3728570.39        0.45120
         412265.57    3728570.39        0.47887                       412285.57
3728570.39        0.50934
         412305.57    3728570.39        0.54298                       412325.57
3728570.39        0.58029
         412345.57    3728570.39        0.62182                       412365.57
3728570.39        0.66812
         412145.57    3728590.39        0.33938                       412165.57
3728590.39        0.35673
         412185.57    3728590.39        0.37559                       412205.57
3728590.39        0.39590
         412225.57    3728590.39        0.41821                       412245.57
3728590.39        0.44260
         412265.57    3728590.39        0.46933                       412285.57
3728590.39        0.49872
         412305.57    3728590.39        0.53113                       412325.57
3728590.39        0.56702
         412345.57    3728590.39        0.60689                       412365.57
3728590.39        0.65141
         412145.57    3728610.39        0.33399                       412165.57
3728610.39        0.35083
         412185.57    3728610.39        0.36911                       412205.57
3728610.39        0.38879
         412225.57    3728610.39        0.41043                       412245.57
3728610.39        0.43398
         412265.57    3728610.39        0.45974                       412285.57
3728610.39        0.48803
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         412305.57    3728610.39        0.51920                      412325.57
3728610.39        0.55361
         412345.57    3728610.39        0.59177                      412365.57
3728610.39        0.63425
         412145.57    3728630.39        0.32845                      412165.57
3728630.39        0.34478
         412185.57    3728630.39        0.36245                      412205.57
3728630.39        0.38149
         412225.57    3728630.39        0.40239                      412245.57
3728630.39        0.42508
         412265.57    3728630.39        0.44986                      412285.57
3728630.39        0.47702
         412305.57    3728630.39        0.50689                      412325.57
3728630.39        0.53983
         412345.57    3728630.39        0.57627                      412365.57
3728630.39        0.61670
         412145.57    3728650.39        0.32280                      412165.57
3728650.39        0.33856
         412185.57    3728650.39        0.35561                      412205.57
3728650.39        0.37406
         412225.57    3728650.39        0.39410                      412245.57
3728650.39        0.41590
         412265.57    3728650.39        0.43969                      412285.57
3728650.39        0.46571
         412305.57    3728650.39        0.49426                      412325.57
3728650.39        0.52569
         412345.57    3728650.39        0.56040                      412365.57
3728650.39        0.59888
         412145.57    3728670.39        0.31714                      412165.57
3728670.39        0.33237
         412185.57    3728670.39        0.34880                      412205.57
3728670.39        0.36657
         412225.57    3728670.39        0.38583                      412245.57
3728670.39        0.40675
         412265.57    3728670.39        0.42953                      412285.57
3728670.39        0.45440
         412305.57    3728670.39        0.48165                      412325.57
3728670.39        0.51155
         412345.57    3728670.39        0.54452                      412365.57
3728670.39        0.58089
         412145.57    3728690.39        0.31130                      412165.57
3728690.39        0.32599
         412185.57    3728690.39        0.34180                      412205.57
3728690.39        0.35888
         412225.57    3728690.39        0.37736                      412245.57
3728690.39        0.39738
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 *** AERMET - VERSION  16216 ***   ***
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SRCGP1 ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
412265.57	3728690.39	0.41916	412285.57	3728690.39	0.44288
412305.57	3728690.39	0.46881	412325.57	3728690.39	0.49719
412345.57	3728690.39	0.52839	412365.57	3728690.39	0.56282
412145.57	3728710.39	0.30544	412165.57	3728710.39	0.31951
412185.57	3728710.39	0.33479	412205.57	3728710.39	0.35117
412225.57	3728710.39	0.36887	412245.57	3728710.39	0.38802
412265.57	3728710.39	0.40880	412285.57	3728710.39	0.43139
412305.57	3728710.39	0.45601	412325.57	3728710.39	0.48288
412345.57	3728710.39	0.51235	412365.57	3728710.39	0.54478
412145.57	3728730.39	0.29963	412165.57	3728730.39	0.31310
412185.57	3728730.39	0.32780	412205.57	3728730.39	0.34351
412225.57	3728730.39	0.36043	412245.57	3728730.39	0.37871
412265.57	3728730.39	0.39850	412285.57		

3728730.39 0.41995
412305.57 3728730.39 0.44328 412325.57
3728730.39 0.46870
412345.57 3728730.39 0.49646 412365.57
3728730.39 0.52685
412145.57 3728750.39 0.29374 412165.57
3728750.39 0.30666
412185.57 3728750.39 0.32075 412205.57
3728750.39 0.33578
412225.57 3728750.39 0.35194 412245.57
3728750.39 0.36936
412265.57 3728750.39 0.38816 412285.57
3728750.39 0.40851
412305.57 3728750.39 0.43057 412325.57
3728750.39 0.45454
412345.57 3728750.39 0.48064 412365.57
3728750.39 0.50911
412145.57 3728770.39 0.28778 412165.57
3728770.39 0.30019
412185.57 3728770.39 0.31362 412205.57
3728770.39 0.32797
412225.57 3728770.39 0.34338 412245.57
3728770.39 0.35995
412265.57 3728770.39 0.37780 412285.57
3728770.39 0.39706
412305.57 3728770.39 0.41789 412325.57
3728770.39 0.44045
412345.57 3728770.39 0.46495 412365.57
3728770.39 0.49164
412145.57 3728790.39 0.28184 412165.57
3728790.39 0.29376
412185.57 3728790.39 0.30663 412205.57
3728790.39 0.32033
412225.57 3728790.39 0.33499 412245.57
3728790.39 0.35074
412265.57 3728790.39 0.36764 412285.57
3728790.39 0.38585
412305.57 3728790.39 0.40549 412325.57
3728790.39 0.42668
412345.57 3728790.39 0.44963 412365.57
3728790.39 0.47453
412145.57 3728810.39 0.27597 412165.57
3728810.39 0.28735
412185.57 3728810.39 0.29966 412205.57
3728810.39 0.31272
412225.57 3728810.39 0.32666 412245.57
3728810.39 0.34160
412265.57 3728810.39 0.35761 412285.57
3728810.39 0.37480
412305.57 3728810.39 0.39328 412325.57

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SRCGP1 ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
412185.57	3728830.39	0.29273	412205.57	3728830.39	0.30515
412225.57	3728830.39	0.31841	412245.57	3728830.39	0.33256
412265.57	3728830.39	0.34768	412285.57	3728830.39	0.36390
412305.57	3728830.39	0.38128	412325.57	3728830.39	0.39993
412345.57	3728830.39	0.41999	412365.57	3728830.39	0.44156
412145.57	3728850.39	0.26428	412165.57	3728850.39	0.27466
412185.57	3728850.39	0.28579	412205.57	3728850.39	0.29759
412225.57	3728850.39	0.31017	412245.57	3728850.39	0.32357

412265.57 3728850.39 0.33786 412285.57
3728850.39 0.35314
412305.57 3728850.39 0.36947 412325.57
3728850.39 0.38694
412345.57 3728850.39 0.40567 412365.57
3728850.39 0.42578
412145.57 3728870.39 0.25853 412165.57
3728870.39 0.26844
412185.57 3728870.39 0.27910 412205.57
3728870.39 0.29032
412225.57 3728870.39 0.30224 412245.57
3728870.39 0.31491
412265.57 3728870.39 0.32840 412285.57
3728870.39 0.34277
412305.57 3728870.39 0.35809 412325.57
3728870.39 0.37443
412345.57 3728870.39 0.39188 412365.57
3728870.39 0.41053
412145.57 3728890.39 0.25283 412165.57
3728890.39 0.26229
412185.57 3728890.39 0.27245 412205.57
3728890.39 0.28310
412225.57 3728890.39 0.29440 412245.57
3728890.39 0.30637
412265.57 3728890.39 0.31910 412285.57
3728890.39 0.33261
412305.57 3728890.39 0.34697 412325.57
3728890.39 0.36225
412345.57 3728890.39 0.37852 412365.57
3728890.39 0.39581
412145.57 3728910.39 0.24722 412165.57
3728910.39 0.25623
412185.57 3728910.39 0.26588 412205.57
3728910.39 0.27599
412225.57 3728910.39 0.28670 412245.57
3728910.39 0.29801
412265.57 3728910.39 0.30999 412285.57
3728910.39 0.32269
412305.57 3728910.39 0.33615 412325.57
3728910.39 0.35042
412345.57 3728910.39 0.36557 412365.57
3728910.39 0.38164
412145.57 3728930.39 0.24172 412165.57
3728930.39 0.25028
412185.57 3728930.39 0.25939 412205.57
3728930.39 0.26898
412225.57 3728930.39 0.27909 412245.57
3728930.39 0.28978
412265.57 3728930.39 0.30107 412285.57
3728930.39 0.31300

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1   ***
                                    INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                  L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0000013   ,
                  L0000014   , L0000015   , L0000016   , L0000017   , L0000018
, L0000019   , L0000020   , L0000021   ,
                  L0000022   , L0000023   , L0000024   , L0000025   , L0000026
, L0000027   , L0000028   , . . .   ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                    ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         412345.57   3728950.39   0.34109   412365.57
3728950.39   0.35492
         412145.57   3728970.39   0.23101   412165.57
3728970.39   0.23874
         412185.57   3728970.39   0.24700   412205.57
3728970.39   0.25562
         412225.57   3728970.39   0.26467   412245.57

```
3728970.39        0.27418
         412265.57    3728970.39        0.28416                        412285.57
3728970.39        0.29468
         412305.57    3728970.39        0.30572                        412325.57
3728970.39        0.31734
         412345.57    3728970.39        0.32956                        412365.57
3728970.39        0.34237
         412145.57    3728990.39        0.22580                        412165.57
3728990.39        0.23315
         412185.57    3728990.39        0.24096                        412205.57
3728990.39        0.24913
         412225.57    3728990.39        0.25767                        412245.57
3728990.39        0.26664
         412265.57    3728990.39        0.27603                        412285.57
3728990.39        0.28588
         412305.57    3728990.39        0.29623                        412325.57
3728990.39        0.30707
         412345.57    3728990.39        0.31844                        412365.57
3728990.39        0.33034
         412145.57    3729010.39        0.22070                        412165.57
3729010.39        0.22771
         412185.57    3729010.39        0.23507                        412205.57
3729010.39        0.24279
         412225.57    3729010.39        0.25087                        412245.57
3729010.39        0.25932
         412265.57    3729010.39        0.26815                        412285.57
3729010.39        0.27740
         412305.57    3729010.39        0.28707                        412325.57
3729010.39        0.29718
         412345.57    3729010.39        0.30776                        412365.57
3729010.39        0.31882
         411515.35    3723339.37        0.01966                        411566.95
3723321.50        0.01969
         411209.71    3721870.71        0.01458                        410711.56
3722303.37        0.01529
         411481.61    3723222.27        0.01914                        412561.33
3728653.10        1.38119
         413259.39    3728649.87        5.57036                        412826.33
3727832.22        3.07362
         412377.11    3727858.08        0.60478                        412380.35
3728258.82        0.86242
         412583.95    3728262.05        2.48958

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                                  PAGE 374
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SRCGP2 ***

INCLUDING SOURCE(S): L0000145 , L0000146 , L0000147 , L0000148 , L0000149 , L0000150 , L0000151 , L0000152 , L0000153 , L0000154 , L0000155 , L0000156 , L0000157 , L0000158 , L0000159 , L0000160 , L0000161 , L0000162 , L0000163 , L0000164 , L0000165 , L0000166 , L0000167 , L0000168 , L0000169 , L0000170 , L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
406928.54	3720436.98	0.02167	407433.29	3720436.98	0.02452
407938.04	3720436.98	0.02806	408442.79	3720436.98	0.03241
408947.54	3720436.98	0.03759	409452.29	3720436.98	0.04314
409957.04	3720436.98	0.04765	410461.79	3720436.98	0.05127
410966.54	3720436.98	0.05493	411471.29	3720436.98	0.05651
411976.04	3720436.98	0.05384	412480.79	3720436.98	0.04944
412985.54	3720436.98	0.04563	413490.29	3720436.98	0.04118
413995.04	3720436.98	0.03618	414499.79	3720436.98	0.03161
415004.54	3720436.98	0.02353	415509.29	3720436.98	0.02074
416014.04	3720436.98	0.01871	416518.79	3720436.98	0.02021
417023.54	3720436.98	0.01872	406928.54	3720940.90	0.02257
407433.29	3720940.90	0.02586	407938.04	3720940.90	0.03014
408442.79	3720940.90	0.03583	408947.54	3720940.90	0.04337
409452.29	3720940.90	0.05284	409957.04	3720940.90	0.06293

410461.79 3720940.90 0.07084 410966.54 3720940.90 0.07782
411471.29 3720940.90 0.08096 411976.04 3720940.90 0.07463
412480.79 3720940.90 0.06620 412985.54 3720940.90 0.05044
413490.29 3720940.90 0.04061 413995.04 3720940.90 0.03483
414499.79 3720940.90 0.02834 415004.54 3720940.90 0.02473
415509.29 3720940.90 0.02275 416014.04 3720940.90 0.02141
416518.79 3720940.90 0.02023 417023.54 3720940.90 0.02082
406928.54 3721444.82 0.02328 407433.29 3721444.82 0.02686
407938.04 3721444.82 0.03169 408442.79 3721444.82 0.03849
408947.54 3721444.82 0.04857 409452.29 3721444.82 0.06395
409957.04 3721444.82 0.08614 410461.79 3721444.82 0.11060
410966.54 3721444.82 0.12997 411471.29 3721444.82 0.13771
411976.04 3721444.82 0.11751 412480.79 3721444.82 0.08041
412985.54 3721444.82 0.05820 413490.29 3721444.82 0.04454
413995.04 3721444.82 0.03769 414499.79 3721444.82 0.03287
415004.54 3721444.82 0.03022 415509.29 3721444.82 0.02822
416014.04 3721444.82 0.02649 416518.79 3721444.82 0.02480
417023.54 3721444.82 0.02312 406928.54 3721948.74 0.02385
407433.29 3721948.74 0.02765 407938.04 3721948.74 0.03284
408442.79 3721948.74 0.04030 408947.54 3721948.74 0.05189
409452.29 3721948.74 0.07198 409957.04 3721948.74 0.11174
410461.79 3721948.74 0.19690 410966.54 3721948.74 0.32002
411471.29 3721948.74 0.35271 411976.04 3721948.74 0.22646
412480.79 3721948.74 0.10493 412985.54 3721948.74 0.07216
413490.29 3721948.74 0.05935 413995.04 3721948.74 0.05305

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SRCGP2 ***
INCLUDING SOURCE(S): L0000145 , L0000146 , L0000147 , L0000148 , L0000149 , L0000150 , L0000151 , L0000152 , L0000153 , L0000154 , L0000155 , L0000156 , L0000157 , L0000158 , L0000159 , L0000160 , L0000161 , L0000162 , L0000163 , L0000164 , L0000165 , L0000166 , L0000167 , L0000168 , L0000169 , L0000170 , L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
415509.29	3721948.74	0.03801	416014.04	3721948.74	0.03446
416518.79	3721948.74	0.03133	417023.54	3721948.74	0.02856
406928.54	3722452.66	0.02394	407433.29	3722452.66	0.02786
407938.04	3722452.66	0.03324	408442.79	3722452.66	0.04106
408947.54	3722452.66	0.05343	409452.29	3722452.66	0.07555
409957.04	3722452.66	0.12400	410461.79	3722452.66	0.27908
411471.29	3722452.66	3.65415	411976.04	3722452.66	0.61410
412480.79	3722452.66	0.22787	412985.54	3722452.66	0.14711
413490.29	3722452.66	0.10863	413995.04	3722452.66	0.08615
414499.79	3722452.66	0.06925	415004.54		

3722452.66 0.05789
415509.29 3722452.66 0.04951 416014.04
3722452.66 0.04317
416518.79 3722452.66 0.03804 417023.54
3722452.66 0.03387
406928.54 3722956.58 0.02345 407433.29
3722956.58 0.02722
407938.04 3722956.58 0.03241 408442.79
3722956.58 0.03991
408947.54 3722956.58 0.05176 409452.29
3722956.58 0.07250
409957.04 3722956.58 0.11713 410461.79
3722956.58 0.25253
410966.54 3722956.58 1.12961 411976.04
3722956.58 2.37802
412480.79 3722956.58 0.65185 412985.54
3722956.58 0.29167
413490.29 3722956.58 0.17299 413995.04
3722956.58 0.12034
414499.79 3722956.58 0.09093 415004.54
3722956.58 0.07192
415509.29 3722956.58 0.05925 416014.04
3722956.58 0.05017
416518.79 3722956.58 0.04328 417023.54
3722956.58 0.03803
406928.54 3723460.50 0.02280 407433.29
3723460.50 0.02637
407938.04 3723460.50 0.03121 408442.79
3723460.50 0.03809
408947.54 3723460.50 0.04829 409452.29
3723460.50 0.06517
409957.04 3723460.50 0.09685 410461.79
3723460.50 0.16924
410966.54 3723460.50 0.34841 411471.29
3723460.50 1.54174
411976.04 3723460.50 2.02461 412480.79
3723460.50 0.88952
412985.54 3723460.50 0.47710 413490.29
3723460.50 0.27718
413995.04 3723460.50 0.17793 414499.79
3723460.50 0.12397
415004.54 3723460.50 0.09176 415509.29
3723460.50 0.07184
416014.04 3723460.50 0.05857 416518.79
3723460.50 0.04935
417023.54 3723460.50 0.04256 406928.54
3723964.42 0.02224
407433.29 3723964.42 0.02548 407938.04
3723964.42 0.02979
408442.79 3723964.42 0.03544 408947.54

3723964.42   0.04360
         409452.29   3723964.42   0.05613   409957.04
3723964.42   0.07688
         410461.79   3723964.42   0.10918   410966.54
3723964.42   0.15711
         411471.29   3723964.42   0.36184   411976.04
3723964.42   0.87436
         412480.79   3723964.42   0.67970   412985.54
3723964.42   0.45228
         413490.29   3723964.42   0.31669   413995.04
3723964.42   0.22881

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2   ***
                                    INCLUDING SOURCE(S):   L0000145   , L0000146
, L0000147   , L0000148   , L0000149   ,
                  L0000150   , L0000151   , L0000152   , L0000153   , L0000154
, L0000155   , L0000156   , L0000157   ,
                  L0000158   , L0000159   , L0000160   , L0000161   , L0000162
, L0000163   , L0000164   , L0000165   ,
                  L0000166   , L0000167   , L0000168   , L0000169   , L0000170
, L0000171   , L0000172   , . . .   ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                    ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         414499.79   3723964.42   0.16660   415004.54
3723964.42   0.12353
         415509.29   3723964.42   0.09413   416014.04
3723964.42   0.07400
         416518.79   3723964.42   0.06006   417023.54
3723964.42   0.05027
         406928.54   3724468.34   0.02136   407433.29
3724468.34   0.02209
         407938.04   3724468.34   0.02774   408442.79
3724468.34   0.03245

```
         408947.54    3724468.34        0.03908                    409452.29
3724468.34        0.04839
         409957.04    3724468.34        0.06038                    410461.79
3724468.34        0.07468
         410966.54    3724468.34        0.09562                    411471.29
3724468.34        0.16326
         411976.04    3724468.34        0.36969                    412480.79
3724468.34        0.45769
         412985.54    3724468.34        0.37199                    413490.29
3724468.34        0.28237
         413995.04    3724468.34        0.22058                    414499.79
3724468.34        0.17735
         415004.54    3724468.34        0.14296                    415509.29
3724468.34        0.11488
         416014.04    3724468.34        0.09256                    416518.79
3724468.34        0.07522
         417023.54    3724468.34        0.06188                    406928.54
3724972.26        0.01798
         407433.29    3724972.26        0.01983                    407938.04
3724972.26        0.02564
         408442.79    3724972.26        0.02991                    408947.54
3724972.26        0.03509
         409452.29    3724972.26        0.04117                    409957.04
3724972.26        0.04773
         410461.79    3724972.26        0.05535                    410966.54
3724972.26        0.06751
         411471.29    3724972.26        0.09780                    411976.04
3724972.26        0.18711
         412480.79    3724972.26        0.28202                    412985.54
3724972.26        0.29015
         413490.29    3724972.26        0.24510                    413995.04
3724972.26        0.19925
         414499.79    3724972.26        0.16471                    415004.54
3724972.26        0.13947
         415509.29    3724972.26        0.11931                    416014.04
3724972.26        0.10185
         416518.79    3724972.26        0.08620                    417023.54
3724972.26        0.07291
         406928.54    3725476.18        0.01739                    407433.29
3725476.18        0.01884
         407938.04    3725476.18        0.02139                    408442.79
3725476.18        0.02749
         408947.54    3725476.18        0.03113                    409452.29
3725476.18        0.03488
         409957.04    3725476.18        0.03883                    410461.79
3725476.18        0.04384
         410966.54    3725476.18        0.05169                    411471.29
3725476.18        0.06789
         411976.04    3725476.18        0.11222                    412480.79
3725476.18        0.17942
```

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         412985.54    3725476.18        0.21724                      413490.29
3725476.18        0.20602
         413995.04    3725476.18        0.17880                      414499.79
3725476.18        0.15226
         415004.54    3725476.18        0.13028                      415509.29
3725476.18        0.11332
         416014.04    3725476.18        0.10010                      416518.79
3725476.18        0.08849
         417023.54    3725476.18        0.07594                      406928.54
3725980.10        0.01572
         407433.29    3725980.10        0.01809                      407938.04
3725980.10        0.02026
         408442.79    3725980.10        0.02500                      408947.54
3725980.10        0.02744
         409452.29    3725980.10        0.02985                      409957.04
3725980.10        0.03259
         410461.79    3725980.10        0.03637                      410966.54
3725980.10        0.04169
         411471.29    3725980.10        0.05142                      411976.04
3725980.10        0.07584
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                        ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        16:48:31

                                  PAGE 377
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2   ***
                                  INCLUDING SOURCE(S):     L0000145    , L0000146
, L0000147    , L0000148    , L0000149    ,
                  L0000150    , L0000151    , L0000152    , L0000153    , L0000154
, L0000155    , L0000156    , L0000157    ,
                  L0000158    , L0000159    , L0000160    , L0000161    , L0000162
, L0000163    , L0000164    , L0000165    ,
                  L0000166    , L0000167    , L0000168    , L0000169    , L0000170
, L0000171    , L0000172    ,  . . .      ,

                                     *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                      X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         412480.79    3725980.10        0.11880                      412985.54
```

3725980.10 0.15425
413490.29 3725980.10 0.16896 413995.04
3725980.10 0.15701
414499.79 3725980.10 0.13958 415004.54
3725980.10 0.12238
415509.29 3725980.10 0.10732 416014.04
3725980.10 0.09509
416518.79 3725980.10 0.08521 417023.54
3725980.10 0.07700
406928.54 3726484.02 0.01534 407433.29
3726484.02 0.01697
407938.04 3726484.02 0.01873 408442.79
3726484.02 0.02022
408947.54 3726484.02 0.02425 409452.29
3726484.02 0.02594
409957.04 3726484.02 0.02811 410461.79
3726484.02 0.03107
410966.54 3726484.02 0.03482 411471.29
3726484.02 0.04116
411976.04 3726484.02 0.05591 412480.79
3726484.02 0.08333
412985.54 3726484.02 0.11406 413490.29
3726484.02 0.13624
413995.04 3726484.02 0.13540 414499.79
3726484.02 0.12563
415004.54 3726484.02 0.11383 415509.29
3726484.02 0.10192
416014.04 3726484.02 0.09093 416518.79
3726484.02 0.08161
417023.54 3726484.02 0.07388 406928.54
3726987.94 0.01423
407433.29 3726987.94 0.01574 407938.04
3726987.94 0.01715
408442.79 3726987.94 0.01810 408947.54
3726987.94 0.02156
409452.29 3726987.94 0.02293 409957.04
3726987.94 0.02476
410461.79 3726987.94 0.02710 410966.54
3726987.94 0.02982
411471.29 3726987.94 0.03421 411976.04
3726987.94 0.04379
412480.79 3726987.94 0.06152 412985.54
3726987.94 0.08797
413490.29 3726987.94 0.10872 413995.04
3726987.94 0.11525
414499.79 3726987.94 0.11175 415004.54
3726987.94 0.10433
415509.29 3726987.94 0.09564 416014.04
3726987.94 0.08700
416518.79 3726987.94 0.07872 417023.54

3726987.94   0.07158
         406928.54   3727491.86   0.01330   407433.29
3727491.86   0.01465
         407938.04   3727491.86   0.01581   408442.79
3727491.86   0.01621
         408947.54   3727491.86   0.01667   409452.29
3727491.86   0.02058
         409957.04   3727491.86   0.02215   410461.79
3727491.86   0.02400
         410966.54   3727491.86   0.02604   411471.29
3727491.86   0.02923
         411976.04   3727491.86   0.03578   412480.79
3727491.86   0.04785
         412985.54   3727491.86   0.06573   413490.29
3727491.86   0.08639
         413995.04   3727491.86   0.09709   414499.79
3727491.86   0.09841
         415004.54   3727491.86   0.09429   415509.29
3727491.86   0.08825
         416014.04   3727491.86   0.08128   416518.79
3727491.86   0.07546
         417023.54   3727491.86   0.06946   406928.54
3727995.78   0.01299
         407433.29   3727995.78   0.01377   407938.04
3727995.78   0.01446
         408442.79   3727995.78   0.01462   408947.54
3727995.78   0.01510
         409452.29   3727995.78   0.01869   409957.04
3727995.78   0.02003

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2   ***
                                    INCLUDING SOURCE(S):   L0000145   , L0000146
, L0000147   , L0000148   , L0000149   ,
                  L0000150   , L0000151   , L0000152   , L0000153   , L0000154
, L0000155   , L0000156   , L0000157   ,
                  L0000158   , L0000159   , L0000160   , L0000161   , L0000162
, L0000163   , L0000164   , L0000165   ,
                  L0000166   , L0000167   , L0000168   , L0000169   , L0000170
, L0000171   , L0000172   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
410461.79	3727995.78	0.02151	410966.54	3727995.78	0.02307
411471.29	3727995.78	0.02547	411976.04	3727995.78	0.03020
412985.54	3727995.78	0.05189	413490.29	3727995.78	0.06885
413995.04	3727995.78	0.08101	414499.79	3727995.78	0.08591
415004.54	3727995.78	0.08625	415509.29	3727995.78	0.08132
416014.04	3727995.78	0.07301	416518.79	3727995.78	0.07155
417023.54	3727995.78	0.06664	406928.54	3728499.70	0.01313
407433.29	3728499.70	0.01313	407938.04	3728499.70	0.01319
408442.79	3728499.70	0.01335	408947.54	3728499.70	0.01617
409452.29	3728499.70	0.01713	409957.04	3728499.70	0.01828
410461.79	3728499.70	0.01949	410966.54	3728499.70	0.02068
411471.29	3728499.70	0.02257	411976.04	3728499.70	0.02610
412480.79	3728499.70	0.03223	413490.29	3728499.70	0.05483
413995.04	3728499.70	0.06728	414499.79	3728499.70	0.07386
415004.54	3728499.70	0.07662	415509.29	3728499.70	0.07492
416014.04	3728499.70	0.07088	416518.79	3728499.70	0.06824
417023.54	3728499.70	0.06421	406928.54	3729003.62	0.01179
407433.29	3729003.62	0.01196	407938.04	3729003.62	0.01207
408442.79	3729003.62	0.01241	408947.54	3729003.62	0.01322
409452.29	3729003.62	0.01580	409957.04	3729003.62	0.01679
410461.79	3729003.62	0.01781	410966.54	3729003.62	0.01874

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         411471.29    3729003.62        0.02020                        411976.04
3729003.62        0.02296
         412480.79    3729003.62        0.02757                        412985.54
3729003.62        0.03480
         413490.29    3729003.62        0.04465                        413995.04
3729003.62        0.05654
         414499.79    3729003.62        0.06477                        415004.54
3729003.62        0.06870
         415509.29    3729003.62        0.06876                        416014.04
3729003.62        0.06688
         416518.79    3729003.62        0.06434                        417023.54
3729003.62        0.06124
         406928.54    3729507.54        0.01122                        407433.29
3729507.54        0.01113
         407938.04    3729507.54        0.01138                        408442.79
3729507.54        0.01192
         408947.54    3729507.54        0.01269                        409452.29
3729507.54        0.01467
         409957.04    3729507.54        0.01551                        410461.79
3729507.54        0.01633
         410966.54    3729507.54        0.01712                        411471.29
3729507.54        0.01831
         411976.04    3729507.54        0.01968                        412480.79
3729507.54        0.02393
         412985.54    3729507.54        0.02942                        413490.29
3729507.54        0.03785
         413995.04    3729507.54        0.04755                        414499.79
3729507.54        0.05588
         415004.54    3729507.54        0.06118                        415509.29
3729507.54        0.06299
         416014.04    3729507.54        0.06249                        416518.79
3729507.54        0.06086
         417023.54    3729507.54        0.05835                        406928.54
3730011.46        0.01134
         407433.29    3730011.46        0.01152                        407938.04
3730011.46        0.01126
         408442.79    3730011.46        0.01182                        408947.54
3730011.46        0.01246
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                        ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        16:48:31

                                  PAGE 379
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2   ***
                                  INCLUDING SOURCE(S):     L0000145    , L0000146
, L0000147    , L0000148    , L0000149    ,
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                 L0000150    , L0000151    , L0000152    , L0000153    , L0000154
, L0000155    , L0000156    , L0000157    ,
                 L0000158    , L0000159    , L0000160    , L0000161    , L0000162
, L0000163    , L0000164    , L0000165    ,
                 L0000166    , L0000167    , L0000168    , L0000169    , L0000170
, L0000171    , L0000172    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -
         409452.29    3730011.46        0.01370                       409957.04
3730011.46        0.01441
         410461.79    3730011.46        0.01507                       410966.54
3730011.46        0.01527
         411471.29    3730011.46        0.01585                       411976.04
3730011.46        0.01842
         412480.79    3730011.46        0.02083                       412985.54
3730011.46        0.02548
         413490.29    3730011.46        0.03199                       413995.04
3730011.46        0.04026
         414499.79    3730011.46        0.04823                       415004.54
3730011.46        0.05417
         415509.29    3730011.46        0.05733                       416014.04
3730011.46        0.05795
         416518.79    3730011.46        0.05694                       417023.54
3730011.46        0.05502
         406928.54    3730515.38        0.01068                       407433.29
3730515.38        0.00998
         407938.04    3730515.38        0.01030                       408442.79
3730515.38        0.01110
         408947.54    3730515.38        0.01227                       409452.29
3730515.38        0.01279
         409957.04    3730515.38        0.01345                       410461.79
3730515.38        0.01377
         410966.54    3730515.38        0.01384                       411471.29
3730515.38        0.01465
         411976.04    3730515.38        0.01611                       412480.79
3730515.38        0.01844
         412985.54    3730515.38        0.02214                       413490.29
3730515.38        0.02743
         413995.04    3730515.38        0.03434                       414499.79
3730515.38        0.04166
         415004.54    3730515.38        0.04781                       415509.29
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3730515.38        0.05175
         416014.04    3730515.38        0.05349                    416518.79
3730515.38        0.05332
         417023.54    3730515.38        0.05230                    410498.80
3722355.26        0.29214
         410518.80    3722355.26        0.30516                    410538.80
3722355.26        0.31914
         410558.80    3722355.26        0.33417                    410578.80
3722355.26        0.35030
         410598.80    3722355.26        0.36787                    410618.80
3722355.26        0.38641
         410638.80    3722355.26        0.40667                    410658.80
3722355.26        0.42890
         410678.80    3722355.26        0.45272                    410698.80
3722355.26        0.47851
         410718.80    3722355.26        0.50657                    410738.80
3722355.26        0.53703
         410498.80    3722375.26        0.29479                    410518.80
3722375.26        0.30812
         410538.80    3722375.26        0.32247                    410558.80
3722375.26        0.33792
         410578.80    3722375.26        0.35471                    410598.80
3722375.26        0.37242
         410618.80    3722375.26        0.39178                    410638.80
3722375.26        0.41310
         410658.80    3722375.26        0.43589                    410678.80
3722375.26        0.46059
         410698.80    3722375.26        0.48748                    410718.80
3722375.26        0.51692
         410738.80    3722375.26        0.54906                    410758.80
3722375.26        0.58410
         410498.80    3722395.26        0.29722                    410518.80
3722395.26        0.31086
         410538.80    3722395.26        0.32553                    410558.80
3722395.26        0.34152
         410578.80    3722395.26        0.35841                    410598.80
3722395.26        0.37682
         410618.80    3722395.26        0.39709                    410638.80
3722395.26        0.41881
         410658.80    3722395.26        0.44236                    410678.80
3722395.26        0.46795
         410698.80    3722395.26        0.49596                    410718.80
3722395.26        0.52659
         410738.80    3722395.26        0.56030                    410758.80
3722395.26        0.59726
         410778.80    3722395.26        0.63788                    410498.80
3722415.26        0.29951
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***       05/26/20
 *** AERMET - VERSION  16216 ***   ***
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SRCGP2 ***

INCLUDING SOURCE(S): L0000145 , L0000146 , L0000147 , L0000148 , L0000149 , L0000150 , L0000151 , L0000152 , L0000153 , L0000154 , L0000155 , L0000156 , L0000157 , L0000158 , L0000159 , L0000160 , L0000161 , L0000162 , L0000163 , L0000164 , L0000165 , L0000166 , L0000167 , L0000168 , L0000169 , L0000170 , L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
410518.80	3722415.26	0.31336	410538.80	3722415.26	0.32848
410558.80	3722415.26	0.34458	410578.80	3722415.26	0.36196
410598.80	3722415.26	0.38114	410618.80	3722415.26	0.40175
410638.80	3722415.26	0.42406	410658.80	3722415.26	0.44829
410678.80	3722415.26	0.47485	410698.80	3722415.26	0.50387
410718.80	3722415.26	0.53563	410738.80	3722415.26	0.57073
410758.80	3722415.26	0.60946	410778.80	3722415.26	0.65215
410798.80	3722415.26	0.69957	410498.80	3722435.26	0.30149
410518.80	3722435.26	0.31571	410538.80	3722435.26	0.33102
410558.80	3722435.26	0.34737	410578.80	3722435.26	0.36539
410598.80	3722435.26	0.38492	410618.80	3722435.26	0.40595
410638.80	3722435.26	0.42879	410658.80	3722435.26	0.45380

410678.80 3722435.26 0.48112 410698.80
3722435.26 0.51110
410718.80 3722435.26 0.54401 410738.80
3722435.26 0.58034
410758.80 3722435.26 0.62068 410778.80
3722435.26 0.66539
410798.80 3722435.26 0.71490 410818.80
3722435.26 0.77067
410498.80 3722455.26 0.30322 410518.80
3722455.26 0.31777
410538.80 3722455.26 0.33314 410558.80
3722455.26 0.35001
410578.80 3722455.26 0.36848 410598.80
3722455.26 0.38822
410618.80 3722455.26 0.40966 410638.80
3722455.26 0.43310
410658.80 3722455.26 0.45872 410678.80
3722455.26 0.48676
410698.80 3722455.26 0.51761 410718.80
3722455.26 0.55157
410738.80 3722455.26 0.58911 410758.80
3722455.26 0.63092
410778.80 3722455.26 0.67723 410798.80
3722455.26 0.72883
410818.80 3722455.26 0.78717 410838.80
3722455.26 0.85305
410498.80 3722475.26 0.30484 410518.80
3722475.26 0.31939
410538.80 3722475.26 0.33511 410558.80
3722475.26 0.35247
410578.80 3722475.26 0.37101 410598.80
3722475.26 0.39107
410618.80 3722475.26 0.41293 410638.80
3722475.26 0.43691
410658.80 3722475.26 0.46307 410678.80
3722475.26 0.49179
410698.80 3722475.26 0.52341 410718.80
3722475.26 0.55828
410738.80 3722475.26 0.59695 410758.80
3722475.26 0.64007
410778.80 3722475.26 0.68768 410798.80
3722475.26 0.74158
410818.80 3722475.26 0.80232 410838.80
3722475.26 0.87077
410498.80 3722495.26 0.30613 410518.80
3722495.26 0.32082
410538.80 3722495.26 0.33702 410558.80
3722495.26 0.35441
410578.80 3722495.26 0.37315 410598.80
3722495.26 0.39351

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SRCGP2 ***
INCLUDING SOURCE(S): L0000145 , L0000146 , L0000147 , L0000148 , L0000149 ,
L0000150 , L0000151 , L0000152 , L0000153 , L0000154 , L0000155 , L0000156 , L0000157 ,
L0000158 , L0000159 , L0000160 , L0000161 , L0000162 , L0000163 , L0000164 , L0000165 ,
L0000166 , L0000167 , L0000168 , L0000169 , L0000170 , L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
410738.80	3722495.26	0.60381	410758.80	3722495.26	0.64804
410778.80	3722495.26	0.69706	410798.80	3722495.26	0.75279
410818.80	3722495.26	0.81555	410838.80	3722495.26	0.88659
410858.80	3722495.26	0.96772	410498.80	3722515.26	0.30713
410518.80	3722515.26	0.32218	410538.80	3722515.26	0.33850
410558.80	3722515.26	0.35596	410578.80	3722515.26	0.37488
410598.80	3722515.26	0.39561	410618.80	3722515.26	0.41819
410638.80	3722515.26	0.44288	410658.80		

3722515.26 0.46998
410678.80 3722515.26 0.49978 410698.80
3722515.26 0.53267
410718.80 3722515.26 0.56904 410738.80
3722515.26 0.60961
410758.80 3722515.26 0.65482 410778.80
3722515.26 0.70507
410798.80 3722515.26 0.76232 410818.80
3722515.26 0.82693
410838.80 3722515.26 0.90022 410858.80
3722515.26 0.98391
410878.80 3722515.26 1.08050 410498.80
3722535.26 0.30800
410518.80 3722535.26 0.32329 410538.80
3722535.26 0.33956
410558.80 3722535.26 0.35715 410578.80
3722535.26 0.37631
410598.80 3722535.26 0.39725 410618.80
3722535.26 0.42006
410638.80 3722535.26 0.44505 410658.80
3722535.26 0.47250
410678.80 3722535.26 0.50275 410698.80
3722535.26 0.53610
410718.80 3722535.26 0.57305 410738.80
3722535.26 0.61434
410758.80 3722535.26 0.66038 410778.80
3722535.26 0.71162
410798.80 3722535.26 0.77012 410818.80
3722535.26 0.83618
410838.80 3722535.26 0.91125 410858.80
3722535.26 0.99726
410878.80 3722535.26 1.09641 410898.80
3722535.26 1.21193
410498.80 3722555.26 0.30878 410518.80
3722555.26 0.32394
410538.80 3722555.26 0.34031 410558.80
3722555.26 0.35800
410578.80 3722555.26 0.37734 410598.80
3722555.26 0.39840
410618.80 3722555.26 0.42143 410638.80
3722555.26 0.44664
410658.80 3722555.26 0.47436 410678.80
3722555.26 0.50491
410698.80 3722555.26 0.53870 410718.80
3722555.26 0.57610
410738.80 3722555.26 0.61795 410758.80
3722555.26 0.66464
410778.80 3722555.26 0.71670 410798.80
3722555.26 0.77619
410818.80 3722555.26 0.84328 410838.80

3722555.26   0.91968
         410858.80   3722555.26   1.00732   410878.80
3722555.26   1.10878
         410898.80   3722555.26   1.22659   410918.80
3722555.26   1.36514
         410498.80   3722575.26   0.30918   410518.80
3722575.26   0.32429
         410538.80   3722575.26   0.34071   410558.80
3722575.26   0.35852
         410578.80   3722575.26   0.37794   410598.80
3722575.26   0.39910
         410618.80   3722575.26   0.42225   410638.80
3722575.26   0.44763
         410658.80   3722575.26   0.47553   410678.80
3722575.26   0.50631

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2   ***
                                   INCLUDING SOURCE(S):   L0000145   , L0000146
, L0000147   , L0000148   , L0000149   ,
                  L0000150   , L0000151   , L0000152   , L0000153   , L0000154
, L0000155   , L0000156   , L0000157   ,
                  L0000158   , L0000159   , L0000160   , L0000161   , L0000162
, L0000163   , L0000164   , L0000165   ,
                  L0000166   , L0000167   , L0000168   , L0000169   , L0000170
, L0000171   , L0000172   , . . .   ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         410698.80   3722575.26   0.54038   410718.80
3722575.26   0.57818
         410738.80   3722575.26   0.62036   410758.80
3722575.26   0.66737
         410778.80   3722575.26   0.72030   410798.80
3722575.26   0.78039

410818.80 3722575.26 0.84823 410838.80
3722575.26 0.92549
410858.80 3722575.26 1.01430 410878.80
3722575.26 1.11725
410898.80 3722575.26 1.23687 410918.80
3722575.26 1.37708
410938.80 3722575.26 1.54345 410498.80
3722595.26 0.30927
410518.80 3722595.26 0.32446 410538.80
3722595.26 0.34093
410558.80 3722595.26 0.35882 410578.80
3722595.26 0.37825
410598.80 3722595.26 0.39949 410618.80
3722595.26 0.42272
410638.80 3722595.26 0.44819 410658.80
3722595.26 0.47623
410678.80 3722595.26 0.50715 410698.80
3722595.26 0.54139
410718.80 3722595.26 0.57943 410738.80
3722595.26 0.62186
410758.80 3722595.26 0.66925 410778.80
3722595.26 0.72239
410798.80 3722595.26 0.78271 410818.80
3722595.26 0.85100
410838.80 3722595.26 0.92901 410858.80
3722595.26 1.01831
410878.80 3722595.26 1.12198 410898.80
3722595.26 1.24234
410918.80 3722595.26 1.38330 410938.80
3722595.26 1.55043
410498.80 3722615.26 0.30910 410518.80
3722615.26 0.32429
410538.80 3722615.26 0.34079 410558.80
3722615.26 0.35868
410578.80 3722615.26 0.37816 410598.80
3722615.26 0.39941
410618.80 3722615.26 0.42267 410638.80
3722615.26 0.44818
410658.80 3722615.26 0.47626 410678.80
3722615.26 0.50724
410698.80 3722615.26 0.54156 410718.80
3722615.26 0.57965
410738.80 3722615.26 0.62217 410758.80
3722615.26 0.66970
410778.80 3722615.26 0.72295 410798.80
3722615.26 0.78325
410818.80 3722615.26 0.85155 410838.80
3722615.26 0.92967
410858.80 3722615.26 1.01919 410878.80
3722615.26 1.12275

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         410898.80    3722615.26        1.24301                      410918.80
3722615.26        1.38382
         410938.80    3722615.26        1.55031                      410958.80
3722615.26        1.74907
         410498.80    3722635.26        0.30858                      410518.80
3722635.26        0.32379
         410538.80    3722635.26        0.34026                      410558.80
3722635.26        0.35814
         410578.80    3722635.26        0.37760                      410598.80
3722635.26        0.39885
         410618.80    3722635.26        0.42207                      410638.80
3722635.26        0.44756
         410658.80    3722635.26        0.47560                      410678.80
3722635.26        0.50653
         410698.80    3722635.26        0.54079                      410718.80
3722635.26        0.57885
         410738.80    3722635.26        0.62128                      410758.80
3722635.26        0.66873
         410778.80    3722635.26        0.72195                      410798.80
3722635.26        0.78210
         410818.80    3722635.26        0.85017                      410838.80
3722635.26        0.92808
         410858.80    3722635.26        1.01739                      410878.80
3722635.26        1.12034
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                         ***        16:48:31

                                    PAGE 383
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2   ***
                                    INCLUDING SOURCE(S):     L0000145    , L0000146
, L0000147    , L0000148    , L0000149    ,
                  L0000150    , L0000151    , L0000152    , L0000153    , L0000154
, L0000155    , L0000156    , L0000157    ,
                  L0000158    , L0000159    , L0000160    , L0000161    , L0000162
, L0000163    , L0000164    , L0000165    ,
                  L0000166    , L0000167    , L0000168    , L0000169    , L0000170
, L0000171    , L0000172    ,  . . .      ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                    ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                      X-COORD (M)
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Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - -
         410898.80    3722635.26        1.23976                            410918.80
3722635.26        1.37935
         410938.80    3722635.26        1.54398                            410958.80
3722635.26        1.73987
         410978.80    3722635.26        1.97510                            410498.80
3722655.26        0.30787
         410518.80    3722655.26        0.32302                            410538.80
3722655.26        0.33943
         410558.80    3722655.26        0.35725                            410578.80
3722655.26        0.37664
         410598.80    3722655.26        0.39780                            410618.80
3722655.26        0.42094
         410638.80    3722655.26        0.44632                            410658.80
3722655.26        0.47426
         410678.80    3722655.26        0.50506                            410698.80
3722655.26        0.53916
         410718.80    3722655.26        0.57704                            410738.80
3722655.26        0.61925
         410758.80    3722655.26        0.66646                            410778.80
3722655.26        0.71948
         410798.80    3722655.26        0.77919                            410818.80
3722655.26        0.84673
         410838.80    3722655.26        0.92413                            410858.80
3722655.26        1.01273
         410878.80    3722655.26        1.11462                            410898.80
3722655.26        1.23259
         410918.80    3722655.26        1.37028                            410938.80
3722655.26        1.53213
         410958.80    3722655.26        1.72398                            410978.80
3722655.26        1.95318
         410998.80    3722655.26        2.23043                            410498.80
3722675.26        0.30699
         410518.80    3722675.26        0.32216                            410538.80
3722675.26        0.33851
         410558.80    3722675.26        0.35622                            410578.80
3722675.26        0.37553
         410598.80    3722675.26        0.39658                            410618.80
3722675.26        0.41958
         410638.80    3722675.26        0.44469                            410658.80
3722675.26        0.47253
         410678.80    3722675.26        0.50314                            410698.80
3722675.26        0.53699
         410718.80    3722675.26        0.57456                            410738.80
3722675.26        0.61642
         410758.80    3722675.26        0.66319                            410778.80
3722675.26        0.71562
         410798.80    3722675.26        0.77468                            410818.80
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3722675.26        0.84143
         410838.80    3722675.26        0.91778                      410858.80
3722675.26        1.00522
         410878.80    3722675.26        1.10557                      410898.80
3722675.26        1.22152
         410918.80    3722675.26        1.35651                      410938.80
3722675.26        1.51486
         410958.80    3722675.26        1.70167                      410978.80
3722675.26        1.92399
         410998.80    3722675.26        2.19154                      411018.80
3722675.26        2.51637
         410498.80    3722695.26        0.30593                      410518.80
3722695.26        0.32099
         410538.80    3722695.26        0.33721                      410558.80
3722695.26        0.35481
         410578.80    3722695.26        0.37398                      410598.80
3722695.26        0.39487
         410618.80    3722695.26        0.41766                      410638.80
3722695.26        0.44255
         410658.80    3722695.26        0.47017                      410678.80
3722695.26        0.50048
         410698.80    3722695.26        0.53400                      410718.80
3722695.26        0.57115
         410738.80    3722695.26        0.61255                      410758.80
3722695.26        0.65873
         410778.80    3722695.26        0.71044                      410798.80
3722695.26        0.76868
         410818.80    3722695.26        0.83442                      410838.80
3722695.26        0.90950
         410858.80    3722695.26        0.99532                      410878.80
3722695.26        1.09362
         410898.80    3722695.26        1.20689                      410918.80
3722695.26        1.33854
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                        ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        16:48:31

                                  PAGE 384
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2   ***
                                  INCLUDING SOURCE(S):     L0000145    , L0000146
, L0000147    , L0000148    , L0000149    ,
                  L0000150    , L0000151    , L0000152    , L0000153    , L0000154
, L0000155    , L0000156    , L0000157    ,
                  L0000158    , L0000159    , L0000160    , L0000161    , L0000162
, L0000163    , L0000164    , L0000165    ,
                  L0000166    , L0000167    , L0000168    , L0000169    , L0000170
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, L0000171   , L0000172   , . . .   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10   IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
410938.80	3722695.26	1.49269	410958.80	3722695.26	1.67383
410978.80	3722695.26	1.88815	410998.80	3722695.26	2.14515
411018.80	3722695.26	2.45611	411038.80	3722695.26	2.83459
410498.80	3722715.26	0.30464	410518.80	3722715.26	0.31951
410538.80	3722715.26	0.33557	410558.80	3722715.26	0.35300
410578.80	3722715.26	0.37202	410598.80	3722715.26	0.39273
410618.80	3722715.26	0.41528	410638.80	3722715.26	0.43990
410658.80	3722715.26	0.46720	410678.80	3722715.26	0.49714
410698.80	3722715.26	0.53022	410718.80	3722715.26	0.56689
410738.80	3722715.26	0.60766	410758.80	3722715.26	0.65316
410778.80	3722715.26	0.70405	410798.80	3722715.26	0.76126
410818.80	3722715.26	0.82577	410838.80	3722715.26	0.89929
410858.80	3722715.26	0.98323	410878.80	3722715.26	1.07914
410898.80	3722715.26	1.18930	410918.80	3722715.26	1.31714
410938.80	3722715.26	1.46648	410958.80	3722715.26	1.64141
410978.80	3722715.26	1.84721	410998.80	3722715.26	2.09343
411018.80	3722715.26	2.38929	411038.80	3722715.26	2.74831
410498.80	3722735.26	0.30297	410518.80	3722735.26	0.31767
410538.80	3722735.26	0.33359	410558.80	3722735.26	0.35086

```
         410578.80    3722735.26        0.36970                      410598.80
3722735.26        0.39019
         410618.80    3722735.26        0.41249                      410638.80
3722735.26        0.43676
         410658.80    3722735.26        0.46358                      410678.80
3722735.26        0.49309
         410698.80    3722735.26        0.52567                      410718.80
3722735.26        0.56174
         410738.80    3722735.26        0.60181                      410758.80
3722735.26        0.64652
         410778.80    3722735.26        0.69652                      410798.80
3722735.26        0.75253
         410818.80    3722735.26        0.81564                      410838.80
3722735.26        0.88740
         410858.80    3722735.26        0.96918                      410878.80
3722735.26        1.06247
         410898.80    3722735.26        1.16948                      410918.80
3722735.26        1.29300
         410938.80    3722735.26        1.43656                      410958.80
3722735.26        1.60443
         410978.80    3722735.26        1.80216                      410998.80
3722735.26        2.03727
         411018.80    3722735.26        2.31784                      411038.80
3722735.26        2.65657
         411058.80    3722735.26        3.07110                      410498.80
3722755.26        0.30127
         410518.80    3722755.26        0.31582                      410538.80
3722755.26        0.33155
         410558.80    3722755.26        0.34856                      410578.80
3722755.26        0.36712
         410598.80    3722755.26        0.38731                      410618.80
3722755.26        0.40927
         410638.80    3722755.26        0.43319                      410658.80
3722755.26        0.45972
         410678.80    3722755.26        0.48873                      410698.80
3722755.26        0.52074
         410718.80    3722755.26        0.55613                      410738.80
3722755.26        0.59540
         410758.80    3722755.26        0.63915                      410778.80
3722755.26        0.68796
         410798.80    3722755.26        0.74262                      410818.80
3722755.26        0.80415
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                        ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                        ***       16:48:31

                                  PAGE 385
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
```

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SRCGP2 ***

INCLUDING SOURCE(S): L0000145 , L0000146 , L0000147 , L0000148 , L0000149 , L0000150 , L0000151 , L0000152 , L0000153 , L0000154 , L0000155 , L0000156 , L0000157 , L0000158 , L0000159 , L0000160 , L0000161 , L0000162 , L0000163 , L0000164 , L0000165 , L0000166 , L0000167 , L0000168 , L0000169 , L0000170 , L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
410838.80	3722755.26	0.87399	410858.80	3722755.26	0.95337
410878.80	3722755.26	1.04378	410898.80	3722755.26	1.14732
410918.80	3722755.26	1.26647	410938.80	3722755.26	1.40417
410958.80	3722755.26	1.56474	410978.80	3722755.26	1.75370
410998.80	3722755.26	1.97639	411018.80	3722755.26	2.24215
411038.80	3722755.26	2.56176	411058.80	3722755.26	2.95009
411078.80	3722755.26	3.42966	410498.80	3722775.26	0.29927
410518.80	3722775.26	0.31362	410538.80	3722775.26	0.32915
410558.80	3722775.26	0.34595	410578.80	3722775.26	0.36420
410598.80	3722775.26	0.38407	410618.80	3722775.26	0.40566
410638.80	3722775.26	0.42918	410658.80	3722775.26	0.45524
410678.80	3722775.26	0.48371	410698.80	3722775.26	0.51509
410718.80	3722775.26	0.54975	410738.80	3722775.26	0.58818
410758.80	3722775.26	0.63088	410778.80	3722775.26	0.67846
410798.80	3722775.26	0.73168	410818.80		

3722775.26 0.79144
410838.80 3722775.26 0.85918 410858.80
3722775.26 0.93601
410878.80 3722775.26 1.02315 410898.80
3722775.26 1.12293
410918.80 3722775.26 1.23751 410938.80
3722775.26 1.36910
410958.80 3722775.26 1.52307 410978.80
3722775.26 1.70274
410998.80 3722775.26 1.91340 411018.80
3722775.26 2.16350
411038.80 3722775.26 2.46404 411058.80
3722775.26 2.82760
411078.80 3722775.26 3.27430 411098.80
3722775.26 3.83215
410498.80 3722795.26 0.29701 410518.80
3722795.26 0.31115
410538.80 3722795.26 0.32643 410558.80
3722795.26 0.34294
410578.80 3722795.26 0.36093 410598.80
3722795.26 0.38046
410618.80 3722795.26 0.40168 410638.80
3722795.26 0.42476
410658.80 3722795.26 0.45028 410678.80
3722795.26 0.47813
410698.80 3722795.26 0.50883 410718.80
3722795.26 0.54270
410738.80 3722795.26 0.58015 410758.80
3722795.26 0.62179
410778.80 3722795.26 0.66811 410798.80
3722795.26 0.71975
410818.80 3722795.26 0.77767 410838.80
3722795.26 0.84320
410858.80 3722795.26 0.91736 410878.80
3722795.26 1.00114
410898.80 3722795.26 1.09677 410918.80
3722795.26 1.20627
410938.80 3722795.26 1.33253 410958.80
3722795.26 1.47896
410978.80 3722795.26 1.64912 410998.80
3722795.26 1.84843
411018.80 3722795.26 2.08363 411038.80
3722795.26 2.36462
411058.80 3722795.26 2.70445 411078.80
3722795.26 3.11949
411098.80 3722795.26 3.63575 411118.80
3722795.26 4.29052
410498.80 3722815.26 0.29447 410518.80
3722815.26 0.30839
410538.80 3722815.26 0.32342 410558.80

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                              *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2   ***
                                  INCLUDING SOURCE(S):   L0000145   , L0000146
, L0000147   , L0000148   , L0000149   ,
                  L0000150   , L0000151   , L0000152   , L0000153   , L0000154
, L0000155   , L0000156   , L0000157   ,
                  L0000158   , L0000159   , L0000160   , L0000161   , L0000162
, L0000163   , L0000164   , L0000165   ,
                  L0000166   , L0000167   , L0000168   , L0000169   , L0000170
, L0000171   , L0000172   , . . .   ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         410578.80   3722815.26   0.35739   410598.80
3722815.26   0.37657
         410618.80   3722815.26   0.39738   410638.80
3722815.26   0.41994
         410658.80   3722815.26   0.44481   410678.80
3722815.26   0.47205
         410698.80   3722815.26   0.50199   410718.80
3722815.26   0.53499
         410738.80   3722815.26   0.57149   410758.80
3722815.26   0.61199
         410778.80   3722815.26   0.65700   410798.80
3722815.26   0.70699
         410818.80   3722815.26   0.76298   410838.80
3722815.26   0.82615
         410858.80   3722815.26   0.89750   410878.80
3722815.26   0.97811
         410898.80   3722815.26   1.06942   410918.80
3722815.26   1.17393
         410938.80   3722815.26   1.29430   410958.80
3722815.26   1.43299

410978.80 3722815.26 1.59373 410998.80
3722815.26 1.78165
411018.80 3722815.26 2.00277 411038.80
3722815.26 2.26487
411058.80 3722815.26 2.58098 411078.80
3722815.26 2.96649
411098.80 3722815.26 3.44231 411118.80
3722815.26 4.04309
411138.80 3722815.26 4.81906 410498.80
3722835.26 0.29194
410518.80 3722835.26 0.30562 410538.80
3722835.26 0.32037
410558.80 3722835.26 0.33630 410578.80
3722835.26 0.35360
410598.80 3722835.26 0.37237 410618.80
3722835.26 0.39274
410638.80 3722835.26 0.41482 410658.80
3722835.26 0.43923
410678.80 3722835.26 0.46579 410698.80
3722835.26 0.49496
410718.80 3722835.26 0.52707 410738.80
3722835.26 0.56247
410758.80 3722835.26 0.60170 410778.80
3722835.26 0.64521
410798.80 3722835.26 0.69351 410818.80
3722835.26 0.74749
410838.80 3722835.26 0.80827 410858.80
3722835.26 0.87669
410878.80 3722835.26 0.95375 410898.80
3722835.26 1.04086
410918.80 3722835.26 1.14075 410938.80
3722835.26 1.25474
410958.80 3722835.26 1.38575 410978.80
3722835.26 1.53711
410998.80 3722835.26 1.71367 411018.80
3722835.26 1.92085
411038.80 3722835.26 2.16582 411058.80
3722835.26 2.45832
411078.80 3722835.26 2.81501 411098.80
3722835.26 3.25368
411118.80 3722835.26 3.80288 411138.80
3722835.26 4.50798
410498.80 3722855.26 0.28914 410518.80
3722855.26 0.30257
410538.80 3722855.26 0.31703 410558.80
3722855.26 0.33265
410578.80 3722855.26 0.34956 410598.80
3722855.26 0.36790
410618.80 3722855.26 0.38780 410638.80
3722855.26 0.40935

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2   ***
                                     INCLUDING SOURCE(S):   L0000145   , L0000146
, L0000147   , L0000148   , L0000149   ,
                  L0000150   , L0000151   , L0000152   , L0000153   , L0000154
, L0000155   , L0000156   , L0000157   ,
                  L0000158   , L0000159   , L0000160   , L0000161   , L0000162
, L0000163   , L0000164   , L0000165   ,
                  L0000166   , L0000167   , L0000168   , L0000169   , L0000170
, L0000171   , L0000172   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                     ** CONC OF PM_10   IN MICROGRAMS/M**3
                   **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         410858.80   3722855.26   0.85511   410878.80
3722855.26   0.92842
         410898.80   3722855.26   1.01171   410918.80
3722855.26   1.10636
         410938.80   3722855.26   1.21431   410958.80
3722855.26   1.33761
         410978.80   3722855.26   1.47978   410998.80
3722855.26   1.64516
         411018.80   3722855.26   1.83872   411038.80
3722855.26   2.06672
         411058.80   3722855.26   2.33766   411078.80

3722855.26 2.66606
411098.80 3722855.26 3.06899 411118.80
3722855.26 3.57106
411138.80 3722855.26 4.20917 411158.80
3722855.26 5.04423
410498.80 3722875.26 0.28611 410518.80
3722875.26 0.29927
410538.80 3722875.26 0.31343 410558.80
3722875.26 0.32873
410578.80 3722875.26 0.34524 410598.80
3722875.26 0.36314
410618.80 3722875.26 0.38256 410638.80
3722875.26 0.40357
410658.80 3722875.26 0.42668 410678.80
3722875.26 0.45184
410698.80 3722875.26 0.47937 410718.80
3722875.26 0.50956
410738.80 3722875.26 0.54276 410758.80
3722875.26 0.57939
410778.80 3722875.26 0.61989 410798.80
3722875.26 0.66467
410818.80 3722875.26 0.71450 410838.80
3722875.26 0.77028
410858.80 3722875.26 0.83265 410878.80
3722875.26 0.90251
410898.80 3722875.26 0.98176 410918.80
3722875.26 1.07131
410938.80 3722875.26 1.17310 410958.80
3722875.26 1.28926
410978.80 3722875.26 1.42234 410998.80
3722875.26 1.57660
411018.80 3722875.26 1.75678 411038.80
3722875.26 1.96831
411058.80 3722875.26 2.21872 411078.80
3722875.26 2.52018
411098.80 3722875.26 2.88865 411118.80
3722875.26 3.34519
411138.80 3722875.26 3.92187 411158.80
3722875.26 4.67102
411178.80 3722875.26 5.66933 410498.80
3722895.26 0.28291
410518.80 3722895.26 0.29575 410538.80
3722895.26 0.30962
410558.80 3722895.26 0.32455 410578.80
3722895.26 0.34067
410598.80 3722895.26 0.35810 410618.80
3722895.26 0.37704
410638.80 3722895.26 0.39757 410658.80
3722895.26 0.41992
410678.80 3722895.26 0.44428 410698.80

3722895.26   0.47096
         410718.80   3722895.26   0.50016   410738.80
3722895.26   0.53219
         410758.80   3722895.26   0.56751   410778.80
3722895.26   0.60653
         410798.80   3722895.26   0.64959   410818.80
3722895.26   0.69731
         410838.80   3722895.26   0.75038   410858.80
3722895.26   0.80970
         410878.80   3722895.26   0.87643   410898.80
3722895.26   0.95112
         410918.80   3722895.26   1.03564   410938.80
3722895.26   1.13155
         410958.80   3722895.26   1.24058   410978.80
3722895.26   1.36507
         410998.80   3722895.26   1.50853   411018.80
3722895.26   1.67584
         411038.80   3722895.26   1.87133   411058.80
3722895.26   2.10184

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                               *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2   ***
                                   INCLUDING SOURCE(S):   L0000145   , L0000146
, L0000147   , L0000148   , L0000149   ,
                  L0000150   , L0000151   , L0000152   , L0000153   , L0000154
, L0000155   , L0000156   , L0000157   ,
                  L0000158   , L0000159   , L0000160   , L0000161   , L0000162
, L0000163   , L0000164   , L0000165   ,
                  L0000166   , L0000167   , L0000168   , L0000169   , L0000170
, L0000171   , L0000172   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         411078.80   3722895.26   2.37755   411098.80
3722895.26   2.71267

411118.80 3722895.26 3.12602 411138.80
3722895.26 3.64568
411158.80 3722895.26 4.31453 411178.80
3722895.26 5.19864
411198.80 3722895.26 6.40296 410498.80
3722915.26 0.27975
410518.80 3722915.26 0.29222 410538.80
3722915.26 0.30584
410558.80 3722915.26 0.32041 410578.80
3722915.26 0.33611
410598.80 3722915.26 0.35301 410618.80
3722915.26 0.37151
410638.80 3722915.26 0.39147 410658.80
3722915.26 0.41312
410678.80 3722915.26 0.43661 410698.80
3722915.26 0.46249
410718.80 3722915.26 0.49069 410738.80
3722915.26 0.52157
410758.80 3722915.26 0.55548 410778.80
3722915.26 0.59282
410798.80 3722915.26 0.63404 410818.80
3722915.26 0.67965
410838.80 3722915.26 0.73016 410858.80
3722915.26 0.78672
410878.80 3722915.26 0.84987 410898.80
3722915.26 0.92050
410918.80 3722915.26 1.00004 410938.80
3722915.26 1.08994
410958.80 3722915.26 1.19195 410978.80
3722915.26 1.30811
410998.80 3722915.26 1.44123 411018.80
3722915.26 1.59588
411038.80 3722915.26 1.77583 411058.80
3722915.26 1.98728
411078.80 3722915.26 2.23966 411098.80
3722915.26 2.54441
411118.80 3722915.26 2.91738 411138.80
3722915.26 3.38299
411158.80 3722915.26 3.97734 411178.80
3722915.26 4.75326
411198.80 3722915.26 5.80165 411218.80
3722915.26 7.27107
410498.80 3722935.26 0.27636 410518.80
3722935.26 0.28854
410538.80 3722935.26 0.30185 410558.80
3722935.26 0.31605
410578.80 3722935.26 0.33132 410598.80
3722935.26 0.34772
410618.80 3722935.26 0.36570 410638.80
3722935.26 0.38505

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         410658.80    3722935.26        0.40601                        410678.80
3722935.26        0.42870
         410698.80    3722935.26        0.45371                        410718.80
3722935.26        0.48089
         410738.80    3722935.26        0.51058                        410758.80
3722935.26        0.54308
         410778.80    3722935.26        0.57880                        410798.80
3722935.26        0.61815
         410818.80    3722935.26        0.66153                        410838.80
3722935.26        0.70975
         410858.80    3722935.26        0.76338                        410878.80
3722935.26        0.82304
         410898.80    3722935.26        0.88963                        410918.80
3722935.26        0.96437
         410938.80    3722935.26        1.04846                        410958.80
3722935.26        1.14362
         410978.80    3722935.26        1.25165                        410998.80
3722935.26        1.37494
         411018.80    3722935.26        1.51757                        411038.80
3722935.26        1.68281
         411058.80    3722935.26        1.87626                        411078.80
3722935.26        2.10563
         411098.80    3722935.26        2.38131                        411118.80
3722935.26        2.71627
         411138.80    3722935.26        3.13141                        411158.80
3722935.26        3.65649
         411178.80    3722935.26        4.33517                        411198.80
3722935.26        5.23767
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                          ***       16:48:31

                                    PAGE 389
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2   ***
                                    INCLUDING SOURCE(S):     L0000145    , L0000146
, L0000147    , L0000148    , L0000149    ,
                  L0000150    , L0000151    , L0000152    , L0000153    , L0000154
, L0000155    , L0000156    , L0000157    ,
                  L0000158    , L0000159    , L0000160    , L0000161    , L0000162
, L0000163    , L0000164    , L0000165    ,
                  L0000166    , L0000167    , L0000168    , L0000169    , L0000170
, L0000171    , L0000172    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***
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** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
411218.80	3722935.26	6.48629	410498.80	3722955.26	0.27287
410518.80	3722955.26	0.28474	410538.80	3722955.26	0.29767
410558.80	3722955.26	0.31153	410578.80	3722955.26	0.32636
410598.80	3722955.26	0.34228	410618.80	3722955.26	0.35968
410638.80	3722955.26	0.37845	410658.80	3722955.26	0.39870
410678.80	3722955.26	0.42060	410698.80	3722955.26	0.44469
410718.80	3722955.26	0.47083	410738.80	3722955.26	0.49933
410758.80	3722955.26	0.53043	410778.80	3722955.26	0.56457
410798.80	3722955.26	0.60203	410818.80	3722955.26	0.64327
410838.80	3722955.26	0.68904	410858.80	3722955.26	0.73968
410878.80	3722955.26	0.79592	410898.80	3722955.26	0.85854
410918.80	3722955.26	0.92857	410938.80	3722955.26	1.00709
410958.80	3722955.26	1.09566	410978.80	3722955.26	1.19589
410998.80	3722955.26	1.30993	411018.80	3722955.26	1.44130
411038.80	3722955.26	1.59274	411058.80	3722955.26	1.76875
411078.80	3722955.26	1.97633	411098.80	3722955.26	2.22408
411118.80	3722955.26	2.52328	411138.80	3722955.26	2.89088
411158.80	3722955.26	3.35120	411178.80	3722955.26	3.93986
411198.80	3722955.26	4.71269	411218.80	3722955.26	5.76319
410498.80	3722975.26	0.26927	410518.80	3722975.26	0.28085
410538.80	3722975.26	0.29342	410558.80	3722975.26	0.30689
410578.80	3722975.26	0.32128	410598.80		

3722975.26   0.33672
         410618.80   3722975.26   0.35356   410638.80
3722975.26   0.37170
         410658.80   3722975.26   0.39123   410678.80
3722975.26   0.41236
         410698.80   3722975.26   0.43549   410718.80
3722975.26   0.46058
         410738.80   3722975.26   0.48788   410758.80
3722975.26   0.51762
         410778.80   3722975.26   0.55019   410798.80
3722975.26   0.58577
         410818.80   3722975.26   0.62499   410838.80
3722975.26   0.66825
         410858.80   3722975.26   0.71600   410878.80
3722975.26   0.76891
         410898.80   3722975.26   0.82770   410918.80
3722975.26   0.89317
         410938.80   3722975.26   0.96634   410958.80
3722975.26   1.04854
         410978.80   3722975.26   1.14127   410998.80
3722975.26   1.24644
         411018.80   3722975.26   1.36692   411038.80
3722975.26   1.50510
         411058.80   3722975.26   1.66489   411078.80
3722975.26   1.85212
         411098.80   3722975.26   2.07391   411118.80
3722975.26   2.33992
         411138.80   3722975.26   2.66367   411158.80
3722975.26   3.06476
         411178.80   3722975.26   3.57167   411198.80
3722975.26   4.22730
         411218.80   3722975.26   5.10196   413054.78
3727884.09   0.05663
         413074.78   3727884.09   0.05729   413094.78
3727884.09   0.05791
         413114.78   3727884.09   0.05854   413134.78
3727884.09   0.05917

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2   ***
                                    INCLUDING SOURCE(S):   L0000145   , L0000146
, L0000147   , L0000148   , L0000149   ,
                 L0000150   , L0000151   , L0000152   , L0000153   , L0000154

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, L0000155    , L0000156    , L0000157    ,
                L0000158    , L0000159    , L0000160    , L0000161    , L0000162
, L0000163    , L0000164    , L0000165    ,
                L0000166    , L0000167    , L0000168    , L0000169    , L0000170
, L0000171    , L0000172    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                      ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         413154.78    3727884.09        0.05983                       413174.78
3727884.09        0.06047
         413194.78    3727884.09        0.06109                       413214.78
3727884.09        0.06172
         413234.78    3727884.09        0.06235                       413254.78
3727884.09        0.06299
         413274.78    3727884.09        0.06360                       413294.78
3727884.09        0.06421
         413314.78    3727884.09        0.06484                       413334.78
3727884.09        0.06546
         413354.78    3727884.09        0.06606                       413374.78
3727884.09        0.06779
         413394.78    3727884.09        0.06874                       413414.78
3727884.09        0.07000
         413434.78    3727884.09        0.07061                       413454.78
3727884.09        0.07127
         413474.78    3727884.09        0.07193                       413494.78
3727884.09        0.07254
         413514.78    3727884.09        0.07310                       413534.78
3727884.09        0.07373
         413554.78    3727884.09        0.07437                       413574.78
3727884.09        0.07494
         413594.78    3727884.09        0.07545                       413614.78
3727884.09        0.07604
         413634.78    3727884.09        0.07664                       413654.78
3727884.09        0.07718
         413674.78    3727884.09        0.07768                       413694.78
3727884.09        0.07822
         413714.78    3727884.09        0.07875                       413734.78
3727884.09        0.07924
         413054.78    3727904.09        0.05611                       413074.78
3727904.09        0.05675
         413094.78    3727904.09        0.05739                       413114.78
3727904.09        0.05801
```

```
         413134.78    3727904.09        0.05863                       413154.78
3727904.09        0.05927
         413174.78    3727904.09        0.05992                       413194.78
3727904.09        0.06054
         413214.78    3727904.09        0.06116                       413234.78
3727904.09        0.06178
         413254.78    3727904.09        0.06242                       413274.78
3727904.09        0.06304
         413294.78    3727904.09        0.06363                       413314.78
3727904.09        0.06426
         413334.78    3727904.09        0.06489                       413354.78
3727904.09        0.06546
         413374.78    3727904.09        0.06710                       413394.78
3727904.09        0.06809
         413414.78    3727904.09        0.06936                       413434.78
3727904.09        0.06997
         413454.78    3727904.09        0.07063                       413474.78
3727904.09        0.07128
         413494.78    3727904.09        0.07190                       413514.78
3727904.09        0.07245
         413534.78    3727904.09        0.07309                       413554.78
3727904.09        0.07372
         413574.78    3727904.09        0.07430                       413594.78
3727904.09        0.07480
         413614.78    3727904.09        0.07539                       413634.78
3727904.09        0.07598
         413654.78    3727904.09        0.07654                       413674.78
3727904.09        0.07703
         413694.78    3727904.09        0.07756                       413714.78
3727904.09        0.07810
         413734.78    3727904.09        0.07860                       413054.78
3727924.09        0.05561
         413074.78    3727924.09        0.05623                       413094.78
3727924.09        0.05687
         413114.78    3727924.09        0.05748                       413134.78
3727924.09        0.05810
         413154.78    3727924.09        0.05873                       413174.78
3727924.09        0.05937
         413194.78    3727924.09        0.06000                       413214.78
3727924.09        0.06061
         413234.78    3727924.09        0.06122                       413254.78
3727924.09        0.06184
         413274.78    3727924.09        0.06248                       413294.78
3727924.09        0.06306
         413314.78    3727924.09        0.06365                       413334.78
3727924.09        0.06430
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                        ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                        ***       16:48:31
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SRCGP2 ***

INCLUDING SOURCE(S): L0000145 , L0000146 , L0000147 , L0000148 , L0000149 , L0000150 , L0000151 , L0000152 , L0000153 , L0000154 , L0000155 , L0000156 , L0000157 , L0000158 , L0000159 , L0000160 , L0000161 , L0000162 , L0000163 , L0000164 , L0000165 , L0000166 , L0000167 , L0000168 , L0000169 , L0000170 , L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
413354.78	3727924.09	0.06486	413374.78	3727924.09	0.06571
413394.78	3727924.09	0.06749	413414.78	3727924.09	0.06875
413434.78	3727924.09	0.06934	413454.78	3727924.09	0.07000
413474.78	3727924.09	0.07065	413494.78	3727924.09	0.07126
413514.78	3727924.09	0.07181	413534.78	3727924.09	0.07244
413554.78	3727924.09	0.07308	413574.78	3727924.09	0.07365
413594.78	3727924.09	0.07415	413614.78	3727924.09	0.07475
413634.78	3727924.09	0.07534	413654.78	3727924.09	0.07589
413674.78	3727924.09	0.07638	413694.78	3727924.09	0.07692
413714.78	3727924.09	0.07745	413734.78	3727924.09	0.07795
413054.78	3727944.09	0.05520	413074.78	3727944.09	0.05571
413094.78	3727944.09	0.05634	413114.78	3727944.09	0.05697
413134.78	3727944.09	0.05757	413154.78		

3727944.09 0.05819
413174.78 3727944.09 0.05882 413194.78
3727944.09 0.05947
413214.78 3727944.09 0.06006 413234.78
3727944.09 0.06067
413254.78 3727944.09 0.06129 413274.78
3727944.09 0.06192
413294.78 3727944.09 0.06252 413314.78
3727944.09 0.06310
413334.78 3727944.09 0.06370 413354.78
3727944.09 0.06430
413374.78 3727944.09 0.06521 413394.78
3727944.09 0.06689
413414.78 3727944.09 0.06813 413434.78
3727944.09 0.06872
413454.78 3727944.09 0.06937 413474.78
3727944.09 0.07002
413494.78 3727944.09 0.07063 413514.78
3727944.09 0.07117
413534.78 3727944.09 0.07181 413554.78
3727944.09 0.07244
413574.78 3727944.09 0.07301 413594.78
3727944.09 0.07352
413614.78 3727944.09 0.07411 413634.78
3727944.09 0.07471
413654.78 3727944.09 0.07525 413674.78
3727944.09 0.07574
413694.78 3727944.09 0.07628 413714.78
3727944.09 0.07681
413734.78 3727944.09 0.07731 413054.78
3727964.09 0.05473
413074.78 3727964.09 0.05522 413094.78
3727964.09 0.05582
413114.78 3727964.09 0.05646 413134.78
3727964.09 0.05706
413154.78 3727964.09 0.05767 413174.78
3727964.09 0.05828
413194.78 3727964.09 0.05892 413214.78
3727964.09 0.05954
413234.78 3727964.09 0.06015 413254.78
3727964.09 0.06077
413274.78 3727964.09 0.06136 413294.78
3727964.09 0.06195
413314.78 3727964.09 0.06257 413334.78
3727964.09 0.06319
413354.78 3727964.09 0.06442 413374.78
3727964.09 0.06541
413394.78 3727964.09 0.06630 413414.78
3727964.09 0.06752
413434.78 3727964.09 0.06811 413454.78

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SRCGP2 ***
INCLUDING SOURCE(S): L0000145 , L0000146 , L0000147 , L0000148 , L0000149 ,
L0000150 , L0000151 , L0000152 , L0000153 , L0000154 , L0000155 , L0000156 , L0000157 ,
L0000158 , L0000159 , L0000160 , L0000161 , L0000162 , L0000163 , L0000164 , L0000165 ,
L0000166 , L0000167 , L0000168 , L0000169 , L0000170 , L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
413554.78	3727964.09	0.07181	413574.78	3727964.09	0.07238
413594.78	3727964.09	0.07289	413614.78	3727964.09	0.07348
413634.78	3727964.09	0.07407	413654.78	3727964.09	0.07461
413674.78	3727964.09	0.07510	413694.78	3727964.09	0.07565
413714.78	3727964.09	0.07619	413734.78	3727964.09	0.07668
413054.78	3727984.09	0.05423	413074.78	3727984.09	0.05482
413094.78	3727984.09	0.05532	413114.78	3727984.09	0.05594
413134.78	3727984.09	0.05656	413154.78	3727984.09	0.05715

413174.78 3727984.09 0.05776 413194.78
3727984.09 0.05838
413214.78 3727984.09 0.05902 413234.78
3727984.09 0.05962
413254.78 3727984.09 0.06021 413274.78
3727984.09 0.06080
413294.78 3727984.09 0.06166 413314.78
3727984.09 0.06322
413334.78 3727984.09 0.06403 413354.78
3727984.09 0.06479
413374.78 3727984.09 0.06547 413394.78
3727984.09 0.06616
413414.78 3727984.09 0.06691 413434.78
3727984.09 0.06750
413454.78 3727984.09 0.06811 413474.78
3727984.09 0.06873
413494.78 3727984.09 0.06933 413514.78
3727984.09 0.06991
413534.78 3727984.09 0.07051 413554.78
3727984.09 0.07111
413574.78 3727984.09 0.07170 413594.78
3727984.09 0.07225
413614.78 3727984.09 0.07286 413634.78
3727984.09 0.07345
413654.78 3727984.09 0.07398 413674.78
3727984.09 0.07447
413694.78 3727984.09 0.07502 413714.78
3727984.09 0.07557
413734.78 3727984.09 0.07606 413114.78
3728004.09 0.05543
413134.78 3728004.09 0.05606 413154.78
3728004.09 0.05665
413174.78 3728004.09 0.05725 413194.78
3728004.09 0.05786
413214.78 3728004.09 0.05848 413234.78
3728004.09 0.05909
413254.78 3728004.09 0.05967 413274.78
3728004.09 0.06024
413294.78 3728004.09 0.06231 413314.78
3728004.09 0.06297
413334.78 3728004.09 0.06360 413354.78
3728004.09 0.06427
413374.78 3728004.09 0.06495 413394.78
3728004.09 0.06560
413414.78 3728004.09 0.06630 413434.78
3728004.09 0.06689
413454.78 3728004.09 0.06752 413474.78
3728004.09 0.06815
413494.78 3728004.09 0.06875 413514.78
3728004.09 0.06930

```
         413534.78    3728004.09        0.06992                       413554.78
3728004.09        0.07054
         413574.78    3728004.09        0.07114                       413594.78
3728004.09        0.07165
         413614.78    3728004.09        0.07224                       413634.78
3728004.09        0.07283
         413654.78    3728004.09        0.07335                       413674.78
3728004.09        0.07384
         413694.78    3728004.09        0.07438                       413714.78
3728004.09        0.07492
         413734.78    3728004.09        0.07544                       413114.78
3728024.09        0.05494
         413134.78    3728024.09        0.05555                       413154.78
3728024.09        0.05616
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                         ***        16:48:31

                                    PAGE 393
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2   ***
                                    INCLUDING SOURCE(S):     L0000145    , L0000146
, L0000147    , L0000148    , L0000149    ,
                  L0000150    , L0000151    , L0000152    , L0000153    , L0000154
, L0000155    , L0000156    , L0000157    ,
                  L0000158    , L0000159    , L0000160    , L0000161    , L0000162
, L0000163    , L0000164    , L0000165    ,
                  L0000166    , L0000167    , L0000168    , L0000169    , L0000170
, L0000171    , L0000172    ,  . . .      ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                    ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -
         413174.78    3728024.09        0.05674                       413194.78
3728024.09        0.05734
         413214.78    3728024.09        0.05795                       413234.78
3728024.09        0.05857
         413254.78    3728024.09        0.05914                       413274.78
3728024.09        0.05971
         413294.78    3728024.09        0.06176                       413314.78
```

3728024.09 0.06221
413334.78 3728024.09 0.06284 413354.78
3728024.09 0.06362
413374.78 3728024.09 0.06431 413394.78
3728024.09 0.06498
413414.78 3728024.09 0.06564 413434.78
3728024.09 0.06629
413454.78 3728024.09 0.06693 413474.78
3728024.09 0.06756
413494.78 3728024.09 0.06815 413514.78
3728024.09 0.06870
413534.78 3728024.09 0.06932 413554.78
3728024.09 0.06995
413574.78 3728024.09 0.07055 413594.78
3728024.09 0.07104
413614.78 3728024.09 0.07162 413634.78
3728024.09 0.07221
413654.78 3728024.09 0.07274 413674.78
3728024.09 0.07322
413694.78 3728024.09 0.07376 413714.78
3728024.09 0.07430
413734.78 3728024.09 0.07483 413114.78
3728044.09 0.05447
413134.78 3728044.09 0.05505 413154.78
3728044.09 0.05566
413174.78 3728044.09 0.05625 413194.78
3728044.09 0.05684
413214.78 3728044.09 0.05744 413234.78
3728044.09 0.05805
413254.78 3728044.09 0.05862 413274.78
3728044.09 0.05918
413294.78 3728044.09 0.06120 413314.78
3728044.09 0.06160
413334.78 3728044.09 0.06245 413354.78
3728044.09 0.06315
413374.78 3728044.09 0.06380 413394.78
3728044.09 0.06445
413414.78 3728044.09 0.06512 413434.78
3728044.09 0.06571
413454.78 3728044.09 0.06634 413474.78
3728044.09 0.06697
413494.78 3728044.09 0.06756 413514.78
3728044.09 0.06810
413534.78 3728044.09 0.06872 413554.78
3728044.09 0.06934
413574.78 3728044.09 0.06994 413594.78
3728044.09 0.07042
413614.78 3728044.09 0.07101 413634.78
3728044.09 0.07160
413654.78 3728044.09 0.07212 413674.78

3728044.09   0.07260
         413694.78   3728044.09   0.07314   413714.78
3728044.09   0.07369
         413734.78   3728044.09   0.07421   413134.78
3728064.09   0.05456
         413154.78   3728064.09   0.05516   413174.78
3728064.09   0.05576
         413194.78   3728064.09   0.05634   413214.78
3728064.09   0.05693
         413234.78   3728064.09   0.05753   413254.78
3728064.09   0.05810
         413274.78   3728064.09   0.05866   413294.78
3728064.09   0.06065
         413314.78   3728064.09   0.06102   413334.78
3728064.09   0.06189
         413354.78   3728064.09   0.06257   413374.78
3728064.09   0.06323
         413394.78   3728064.09   0.06387   413414.78
3728064.09   0.06455
         413434.78   3728064.09   0.06513   413454.78
3728064.09   0.06575
         413474.78   3728064.09   0.06638   413494.78
3728064.09   0.06697

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2   ***
                                    INCLUDING SOURCE(S):   L0000145   , L0000146
, L0000147   , L0000148   , L0000149   ,
                  L0000150   , L0000151   , L0000152   , L0000153   , L0000154
, L0000155   , L0000156   , L0000157   ,
                  L0000158   , L0000159   , L0000160   , L0000161   , L0000162
, L0000163   , L0000164   , L0000165   ,
                  L0000166   , L0000167   , L0000168   , L0000169   , L0000170
, L0000171   , L0000172   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                            ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC

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 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
         413514.78    3728064.09        0.06751                             413534.78
3728064.09        0.06812
         413554.78    3728064.09        0.06874                             413574.78
3728064.09        0.06932
         413594.78    3728064.09        0.06982                             413614.78
3728064.09        0.07041
         413634.78    3728064.09        0.07095                             413654.78
3728064.09        0.07146
         413674.78    3728064.09        0.07198                             413694.78
3728064.09        0.07251
         413714.78    3728064.09        0.07303                             413734.78
3728064.09        0.07355
         413134.78    3728084.09        0.05411                             413154.78
3728084.09        0.05466
         413174.78    3728084.09        0.05527                             413194.78
3728084.09        0.05586
         413214.78    3728084.09        0.05643                             413234.78
3728084.09        0.05703
         413254.78    3728084.09        0.05759                             413274.78
3728084.09        0.05818
         413294.78    3728084.09        0.06009                             413314.78
3728084.09        0.06046
         413334.78    3728084.09        0.06119                             413354.78
3728084.09        0.06199
         413374.78    3728084.09        0.06264                             413394.78
3728084.09        0.06330
         413414.78    3728084.09        0.06398                             413434.78
3728084.09        0.06456
         413454.78    3728084.09        0.06517                             413474.78
3728084.09        0.06580
         413494.78    3728084.09        0.06639                             413514.78
3728084.09        0.06692
         413534.78    3728084.09        0.06753                             413554.78
3728084.09        0.06815
         413574.78    3728084.09        0.06873                             413594.78
3728084.09        0.06923
         413614.78    3728084.09        0.06974                             413634.78
3728084.09        0.07029
         413654.78    3728084.09        0.07086                             413674.78
3728084.09        0.07139
         413694.78    3728084.09        0.07193                             413714.78
3728084.09        0.07248
         413734.78    3728084.09        0.07298                             413134.78
3728104.09        0.05374
         413154.78    3728104.09        0.05418                             413174.78
3728104.09        0.05478
         413194.78    3728104.09        0.05538                             413214.78
3728104.09        0.05595
```

```
         413234.78    3728104.09        0.05653                       413254.78
3728104.09        0.05709
         413274.78    3728104.09        0.05768                       413294.78
3728104.09        0.05954
         413314.78    3728104.09        0.05991                       413334.78
3728104.09        0.06052
         413354.78    3728104.09        0.06124                       413374.78
3728104.09        0.06208
         413394.78    3728104.09        0.06274                       413414.78
3728104.09        0.06341
         413434.78    3728104.09        0.06398                       413454.78
3728104.09        0.06460
         413474.78    3728104.09        0.06522                       413494.78
3728104.09        0.06581
         413514.78    3728104.09        0.06635                       413534.78
3728104.09        0.06695
         413554.78    3728104.09        0.06756                       413574.78
3728104.09        0.06813
         413594.78    3728104.09        0.06866                       413614.78
3728104.09        0.06914
         413634.78    3728104.09        0.06974                       413654.78
3728104.09        0.07033
         413674.78    3728104.09        0.07081                       413694.78
3728104.09        0.07135
         413714.78    3728104.09        0.07190                       413734.78
3728104.09        0.07236
         413174.78    3728124.09        0.05430                       413194.78
3728124.09        0.05489
         413214.78    3728124.09        0.05547                       413234.78
3728124.09        0.05603
         413254.78    3728124.09        0.05659                       413274.78
3728124.09        0.05725
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        16:48:31

                                   PAGE 395
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2   ***
                                   INCLUDING SOURCE(S):     L0000145    , L0000146
, L0000147    , L0000148    , L0000149    ,
                  L0000150    , L0000151    , L0000152    , L0000153    , L0000154
, L0000155    , L0000156    , L0000157    ,
                  L0000158    , L0000159    , L0000160    , L0000161    , L0000162
, L0000163    , L0000164    , L0000165    ,
                  L0000166    , L0000167    , L0000168    , L0000169    , L0000170
, L0000171    , L0000172    ,  . . .      ,
```

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
413294.78	3728124.09	0.05889	413314.78	3728124.09	0.05934
413334.78	3728124.09	0.06012	413354.78	3728124.09	0.06091
413374.78	3728124.09	0.06157	413394.78	3728124.09	0.06219
413414.78	3728124.09	0.06285	413434.78	3728124.09	0.06342
413454.78	3728124.09	0.06403	413474.78	3728124.09	0.06464
413494.78	3728124.09	0.06524	413514.78	3728124.09	0.06577
413534.78	3728124.09	0.06637	413554.78	3728124.09	0.06697
413574.78	3728124.09	0.06751	413594.78	3728124.09	0.06799
413614.78	3728124.09	0.06858	413634.78	3728124.09	0.06920
413654.78	3728124.09	0.06972	413674.78	3728124.09	0.07019
413694.78	3728124.09	0.07073	413714.78	3728124.09	0.07128
413734.78	3728124.09	0.07175	413174.78	3728144.09	0.05382
413194.78	3728144.09	0.05440	413214.78	3728144.09	0.05499
413234.78	3728144.09	0.05554	413254.78	3728144.09	0.05609
413274.78	3728144.09	0.05738	413294.78	3728144.09	0.05825
413314.78	3728144.09	0.05872	413334.78	3728144.09	0.05949
413354.78	3728144.09	0.06035	413374.78	3728144.09	0.06098
413394.78	3728144.09	0.06160	413414.78	3728144.09	0.06229
413434.78	3728144.09	0.06286	413454.78	3728144.09	0.06346
413474.78	3728144.09	0.06407	413494.78		

3728144.09 0.06467
413514.78 3728144.09 0.06521 413534.78
3728144.09 0.06580
413554.78 3728144.09 0.06640 413574.78
3728144.09 0.06687
413594.78 3728144.09 0.06742 413614.78
3728144.09 0.06806
413634.78 3728144.09 0.06862 413654.78
3728144.09 0.06911
413674.78 3728144.09 0.06955 413694.78
3728144.09 0.07009
413714.78 3728144.09 0.07067 413734.78
3728144.09 0.07115
413174.78 3728164.09 0.05341 413194.78
3728164.09 0.05393
413214.78 3728164.09 0.05451 413234.78
3728164.09 0.05507
413254.78 3728164.09 0.05561 413274.78
3728164.09 0.05696
413294.78 3728164.09 0.05774 413314.78
3728164.09 0.05807
413334.78 3728164.09 0.05891 413354.78
3728164.09 0.05955
413374.78 3728164.09 0.06034 413394.78
3728164.09 0.06103
413414.78 3728164.09 0.06174 413434.78
3728164.09 0.06231
413454.78 3728164.09 0.06290 413474.78
3728164.09 0.06351
413494.78 3728164.09 0.06412 413514.78
3728164.09 0.06465
413534.78 3728164.09 0.06522 413554.78
3728164.09 0.06579
413574.78 3728164.09 0.06629 413594.78
3728164.09 0.06692
413614.78 3728164.09 0.06749 413634.78
3728164.09 0.06803
413654.78 3728164.09 0.06852 413674.78
3728164.09 0.06894
413694.78 3728164.09 0.06949 413714.78
3728164.09 0.07004

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: SRCGP2 ***
INCLUDING SOURCE(S): L0000145 , L0000146
, L0000147 , L0000148 , L0000149 ,
L0000150 , L0000151 , L0000152 , L0000153 , L0000154
, L0000155 , L0000156 , L0000157 ,
L0000158 , L0000159 , L0000160 , L0000161 , L0000162
, L0000163 , L0000164 , L0000165 ,
L0000166 , L0000167 , L0000168 , L0000169 , L0000170
, L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
413734.78	3728164.09	0.07058	413174.78	3728184.09	0.05305
413194.78	3728184.09	0.05347	413214.78	3728184.09	0.05403
413234.78	3728184.09	0.05460	413254.78	3728184.09	0.05513
413274.78	3728184.09	0.05646	413294.78	3728184.09	0.05709
413314.78	3728184.09	0.05702	413334.78	3728184.09	0.05819
413354.78	3728184.09	0.05895	413374.78	3728184.09	0.05973
413394.78	3728184.09	0.06052	413414.78	3728184.09	0.06119
413434.78	3728184.09	0.06174	413454.78	3728184.09	0.06236
413474.78	3728184.09	0.06296	413494.78	3728184.09	0.06356
413514.78	3728184.09	0.06412	413534.78	3728184.09	0.06458
413554.78	3728184.09	0.06515	413574.78	3728184.09	0.06577
413594.78	3728184.09	0.06638	413614.78	3728184.09	0.06690
413634.78	3728184.09	0.06740	413654.78	3728184.09	0.06792
413674.78	3728184.09	0.06824	413694.78	3728184.09	0.06890
413714.78	3728184.09	0.06948	413734.78	3728184.09	0.06999

413174.78 3728204.09 0.05260 413194.78
3728204.09 0.05309
413214.78 3728204.09 0.05355 413234.78
3728204.09 0.05411
413254.78 3728204.09 0.05466 413274.78
3728204.09 0.05578
413294.78 3728204.09 0.05588 413314.78
3728204.09 0.05688
413334.78 3728204.09 0.05795 413354.78
3728204.09 0.05861
413374.78 3728204.09 0.05933 413394.78
3728204.09 0.06000
413414.78 3728204.09 0.06066 413434.78
3728204.09 0.06120
413454.78 3728204.09 0.06179 413474.78
3728204.09 0.06241
413494.78 3728204.09 0.06298 413514.78
3728204.09 0.06353
413534.78 3728204.09 0.06395 413554.78
3728204.09 0.06464
413574.78 3728204.09 0.06527 413594.78
3728204.09 0.06580
413614.78 3728204.09 0.06629 413634.78
3728204.09 0.06683
413654.78 3728204.09 0.06736 413674.78
3728204.09 0.06762
413694.78 3728204.09 0.06828 413714.78
3728204.09 0.06890
413734.78 3728204.09 0.06936 413234.78
3728224.09 0.05366
413254.78 3728224.09 0.05420 413274.78
3728224.09 0.05475
413294.78 3728224.09 0.05540 413314.78
3728224.09 0.05665
413334.78 3728224.09 0.05743 413354.78
3728224.09 0.05812
413374.78 3728224.09 0.05873 413394.78
3728224.09 0.05938
413414.78 3728224.09 0.06013 413434.78
3728224.09 0.06066
413454.78 3728224.09 0.06125 413474.78
3728224.09 0.06183
413494.78 3728224.09 0.06242 413514.78
3728224.09 0.06280
413534.78 3728224.09 0.06344 413554.78
3728224.09 0.06416
413574.78 3728224.09 0.06472 413594.78
3728224.09 0.06521
413614.78 3728224.09 0.06548 413634.78
3728224.09 0.06608

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2   ***
                                   INCLUDING SOURCE(S):   L0000145   , L0000146
, L0000147   , L0000148   , L0000149   ,
                  L0000150   , L0000151   , L0000152   , L0000153   , L0000154
, L0000155   , L0000156   , L0000157   ,
                  L0000158   , L0000159   , L0000160   , L0000161   , L0000162
, L0000163   , L0000164   , L0000165   ,
                  L0000166   , L0000167   , L0000168   , L0000169   , L0000170
, L0000171   , L0000172   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         413654.78   3728224.09   0.06680   413674.78
3728224.09   0.06703
         413694.78   3728224.09   0.06744   413714.78
3728224.09   0.06804
         413734.78   3728224.09   0.06873   413234.78
3728244.09   0.05319
         413254.78   3728244.09   0.05379   413274.78
3728244.09   0.05431
         413294.78   3728244.09   0.05501   413314.78
3728244.09   0.05621
         413334.78   3728244.09   0.05695   413354.78
3728244.09   0.05752
         413374.78   3728244.09   0.05814   413394.78
3728244.09   0.05881
         413414.78   3728244.09   0.05959   413434.78
3728244.09   0.06015
         413454.78   3728244.09   0.06068   413474.78
3728244.09   0.06116
         413494.78   3728244.09   0.06159   413514.78
3728244.09   0.06220
         413534.78   3728244.09   0.06303   413554.78

3728244.09 0.06362
413574.78 3728244.09 0.06413 413594.78
3728244.09 0.06463
413614.78 3728244.09 0.06486 413634.78
3728244.09 0.06570
413654.78 3728244.09 0.06623 413674.78
3728244.09 0.06640
413694.78 3728244.09 0.06700 413714.78
3728244.09 0.06781
413734.78 3728244.09 0.06832 413234.78
3728264.09 0.05283
413254.78 3728264.09 0.05351 413274.78
3728264.09 0.05402
413294.78 3728264.09 0.05446 413314.78
3728264.09 0.05560
413334.78 3728264.09 0.05645 413354.78
3728264.09 0.05694
413374.78 3728264.09 0.05760 413394.78
3728264.09 0.05829
413414.78 3728264.09 0.05910 413434.78
3728264.09 0.05965
413454.78 3728264.09 0.06023 413474.78
3728264.09 0.06065
413494.78 3728264.09 0.06104 413514.78
3728264.09 0.06192
413534.78 3728264.09 0.06251 413554.78
3728264.09 0.06304
413574.78 3728264.09 0.06355 413594.78
3728264.09 0.06377
413614.78 3728264.09 0.06464 413634.78
3728264.09 0.06521
413654.78 3728264.09 0.06567 413674.78
3728264.09 0.06583
413694.78 3728264.09 0.06637 413714.78
3728264.09 0.06718
413734.78 3728264.09 0.06746 413234.78
3728284.09 0.05241
413254.78 3728284.09 0.05289 413274.78
3728284.09 0.05407
413294.78 3728284.09 0.05463 413314.78
3728284.09 0.05484
413334.78 3728284.09 0.05571 413354.78
3728284.09 0.05639
413374.78 3728284.09 0.05720 413394.78
3728284.09 0.05788
413414.78 3728284.09 0.05853 413434.78
3728284.09 0.05909
413454.78 3728284.09 0.05964 413474.78
3728284.09 0.05990
413494.78 3728284.09 0.06055 413514.78

3728284.09   0.06137
         413534.78   3728284.09   0.06193   413554.78
3728284.09   0.06248
         413574.78   3728284.09   0.06274   413594.78
3728284.09   0.06334
         413614.78   3728284.09   0.06414   413634.78
3728284.09   0.06464
         413654.78   3728284.09   0.06510   413674.78
3728284.09   0.06530

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2   ***
                                  INCLUDING SOURCE(S):   L0000145   , L0000146
, L0000147   , L0000148   , L0000149   ,
                  L0000150   , L0000151   , L0000152   , L0000153   , L0000154
, L0000155   , L0000156   , L0000157   ,
                  L0000158   , L0000159   , L0000160   , L0000161   , L0000162
, L0000163   , L0000164   , L0000165   ,
                  L0000166   , L0000167   , L0000168   , L0000169   , L0000170
, L0000171   , L0000172   , . . .   ,

                                     *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         413694.78   3728284.09   0.06576   413714.78
3728284.09   0.06631
         413734.78   3728284.09   0.06674   413254.78
3728304.09   0.05250
         413274.78   3728304.09   0.05300   413294.78
3728304.09   0.05418
         413314.78   3728304.09   0.05485   413334.78
3728304.09   0.05539
         413354.78   3728304.09   0.05591   413374.78
3728304.09   0.05659
         413394.78   3728304.09   0.05722   413414.78
3728304.09   0.05785

413434.78 3728304.09 0.05839 413454.78
3728304.09 0.05891
413474.78 3728304.09 0.05934 413494.78
3728304.09 0.06000
413514.78 3728304.09 0.06062 413534.78
3728304.09 0.06120
413554.78 3728304.09 0.06175 413574.78
3728304.09 0.06218
413594.78 3728304.09 0.06282 413614.78
3728304.09 0.06346
413634.78 3728304.09 0.06384 413654.78
3728304.09 0.06430
413674.78 3728304.09 0.06473 413694.78
3728304.09 0.06509
413714.78 3728304.09 0.06556 413734.78
3728304.09 0.06607
413254.78 3728324.09 0.05203 413274.78
3728324.09 0.05257
413294.78 3728324.09 0.05315 413314.78
3728324.09 0.05365
413334.78 3728324.09 0.05503 413354.78
3728324.09 0.05566
413374.78 3728324.09 0.05617 413394.78
3728324.09 0.05672
413414.78 3728324.09 0.05726 413434.78
3728324.09 0.05778
413454.78 3728324.09 0.05828 413474.78
3728324.09 0.05877
413494.78 3728324.09 0.05932 413514.78
3728324.09 0.05996
413534.78 3728324.09 0.06055 413554.78
3728324.09 0.06113
413574.78 3728324.09 0.06167 413594.78
3728324.09 0.06220
413614.78 3728324.09 0.06273 413634.78
3728324.09 0.06324
413654.78 3728324.09 0.06376 413674.78
3728324.09 0.06427
413694.78 3728324.09 0.06477 413714.78
3728324.09 0.06530
413734.78 3728324.09 0.06579 413254.78
3728344.09 0.05167
413274.78 3728344.09 0.05222 413294.78
3728344.09 0.05260
413314.78 3728344.09 0.05324 413334.78
3728344.09 0.05373
413354.78 3728344.09 0.05427 413374.78
3728344.09 0.05568
413394.78 3728344.09 0.05630 413414.78
3728344.09 0.05688

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         413434.78    3728344.09        0.05741                       413454.78
3728344.09        0.05793
         413474.78    3728344.09        0.05824                       413494.78
3728344.09        0.05889
         413514.78    3728344.09        0.05969                       413534.78
3728344.09        0.06038
         413554.78    3728344.09        0.06095                       413574.78
3728344.09        0.06149
         413594.78    3728344.09        0.06206                       413614.78
3728344.09        0.06254
         413634.78    3728344.09        0.06298                       413654.78
3728344.09        0.06347
         413674.78    3728344.09        0.06393                       413694.78
3728344.09        0.06429
         413714.78    3728344.09        0.06447                       413734.78
3728344.09        0.06377
         413254.78    3728364.09        0.05122                       413274.78
3728364.09        0.05174
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                        ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        16:48:31

                                  PAGE 399
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2   ***
                                  INCLUDING SOURCE(S):     L0000145    , L0000146
, L0000147    , L0000148    , L0000149    ,
                  L0000150    , L0000151    , L0000152    , L0000153    , L0000154
, L0000155    , L0000156    , L0000157    ,
                  L0000158    , L0000159    , L0000160    , L0000161    , L0000162
, L0000163    , L0000164    , L0000165    ,
                  L0000166    , L0000167    , L0000168    , L0000169    , L0000170
, L0000171    , L0000172    ,  . . .      ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
         413294.78    3728364.09        0.05217                       413314.78
3728364.09        0.05272
         413334.78    3728364.09        0.05322                       413354.78
```

3728364.09 0.05383
413374.78 3728364.09 0.05438 413394.78
3728364.09 0.05487
413414.78 3728364.09 0.05534 413434.78
3728364.09 0.05584
413454.78 3728364.09 0.05635 413474.78
3728364.09 0.05690
413494.78 3728364.09 0.05742 413514.78
3728364.09 0.05792
413534.78 3728364.09 0.05844 413554.78
3728364.09 0.05896
413574.78 3728364.09 0.05947 413594.78
3728364.09 0.05998
413614.78 3728364.09 0.06048 413634.78
3728364.09 0.06098
413654.78 3728364.09 0.06148 413674.78
3728364.09 0.06198
413694.78 3728364.09 0.06247 413714.78
3728364.09 0.06293
413734.78 3728364.09 0.06332 413254.78
3728384.09 0.05090
413274.78 3728384.09 0.05133 413294.78
3728384.09 0.05174
413314.78 3728384.09 0.05229 413334.78
3728384.09 0.05326
413354.78 3728384.09 0.05373 413374.78
3728384.09 0.05384
413394.78 3728384.09 0.05433 413414.78
3728384.09 0.05488
413434.78 3728384.09 0.05541 413454.78
3728384.09 0.05593
413474.78 3728384.09 0.05640 413494.78
3728384.09 0.05695
413514.78 3728384.09 0.05745 413534.78
3728384.09 0.05796
413554.78 3728384.09 0.05845 413574.78
3728384.09 0.05895
413594.78 3728384.09 0.05944 413614.78
3728384.09 0.05992
413634.78 3728384.09 0.06041 413654.78
3728384.09 0.06094
413674.78 3728384.09 0.06152 413694.78
3728384.09 0.06272
413714.78 3728384.09 0.06346 413734.78
3728384.09 0.06394
413254.78 3728404.09 0.05096 413274.78
3728404.09 0.05108
413294.78 3728404.09 0.05142 413314.78
3728404.09 0.05183
413334.78 3728404.09 0.05268 413354.78

3728404.09   0.05339
         413374.78   3728404.09   0.05362   413394.78
3728404.09   0.05394
         413414.78   3728404.09   0.05450   413434.78
3728404.09   0.05559
         413454.78   3728404.09   0.05627   413474.78
3728404.09   0.05638
         413494.78   3728404.09   0.05670   413514.78
3728404.09   0.05787
         413534.78   3728404.09   0.05824   413554.78
3728404.09   0.05882
         413574.78   3728404.09   0.05940   413594.78
3728404.09   0.05967
         413614.78   3728404.09   0.06017   413634.78
3728404.09   0.06041
         413654.78   3728404.09   0.06079   413674.78
3728404.09   0.06119
         413694.78   3728404.09   0.06180   413714.78
3728404.09   0.06210
         413734.78   3728404.09   0.06253   413294.78
3728424.09   0.05105
         413314.78   3728424.09   0.05141   413334.78
3728424.09   0.05193
         413354.78   3728424.09   0.05277   413374.78
3728424.09   0.05331
         413394.78   3728424.09   0.05354   413414.78
3728424.09   0.05399

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                               *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2   ***
                                  INCLUDING SOURCE(S):   L0000145   , L0000146
, L0000147   , L0000148   , L0000149   ,
                 L0000150   , L0000151   , L0000152   , L0000153   , L0000154
, L0000155   , L0000156   , L0000157   ,
                 L0000158   , L0000159   , L0000160   , L0000161   , L0000162
, L0000163   , L0000164   , L0000165   ,
                 L0000166   , L0000167   , L0000168   , L0000169   , L0000170
, L0000171   , L0000172   , . . .   ,

                                     *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF PM_10   IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
413434.78	3728424.09	0.05519	413454.78	3728424.09	0.05586
413474.78	3728424.09	0.05613	413494.78	3728424.09	0.05621
413514.78	3728424.09	0.05672	413534.78	3728424.09	0.05714
413554.78	3728424.09	0.05762	413574.78	3728424.09	0.05813
413594.78	3728424.09	0.05857	413614.78	3728424.09	0.05903
413634.78	3728424.09	0.05952	413654.78	3728424.09	0.05999
413674.78	3728424.09	0.06048	413694.78	3728424.09	0.06104
413714.78	3728424.09	0.06151	413734.78	3728424.09	0.06197
413294.78	3728444.09	0.05103	413314.78	3728444.09	0.05114
413334.78	3728444.09	0.05151	413354.78	3728444.09	0.05213
413374.78	3728444.09	0.05296	413394.78	3728444.09	0.05351
413414.78	3728444.09	0.05358	413434.78	3728444.09	0.05475
413454.78	3728444.09	0.05540	413474.78	3728444.09	0.05581
413494.78	3728444.09	0.05574	413514.78	3728444.09	0.05630
413534.78	3728444.09	0.05685	413554.78	3728444.09	0.05736
413574.78	3728444.09	0.05778	413594.78	3728444.09	0.05832
413614.78	3728444.09	0.05885	413634.78	3728444.09	0.05934
413654.78	3728444.09	0.05953	413674.78	3728444.09	0.06044
413694.78	3728444.09	0.06132	413714.78	3728444.09	0.06199
413734.78	3728444.09	0.06149	413294.78	3728464.09	0.05054
413314.78	3728464.09	0.05077	413334.78	3728464.09	0.05114
413354.78	3728464.09	0.05160	413374.78	3728464.09	0.05266

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         413394.78    3728464.09        0.05305                        413414.78
3728464.09        0.05318
         413434.78    3728464.09        0.05410                        413454.78
3728464.09        0.05491
         413474.78    3728464.09        0.05538                        413494.78
3728464.09        0.05538
         413514.78    3728464.09        0.05643                        413534.78
3728464.09        0.05701
         413554.78    3728464.09        0.05756                        413574.78
3728464.09        0.05808
         413594.78    3728464.09        0.05859                        413614.78
3728464.09        0.05906
         413634.78    3728464.09        0.05919                        413654.78
3728464.09        0.05910
         413674.78    3728464.09        0.06010                        413694.78
3728464.09        0.06102
         413714.78    3728464.09        0.06157                        413734.78
3728464.09        0.06112
         413314.78    3728484.09        0.05071                        413334.78
3728484.09        0.05081
         413354.78    3728484.09        0.05118                        413374.78
3728484.09        0.05184
         413394.78    3728484.09        0.05232                        413414.78
3728484.09        0.05283
         413434.78    3728484.09        0.05335                        413454.78
3728484.09        0.05396
         413474.78    3728484.09        0.05457                        413494.78
3728484.09        0.05517
         413514.78    3728484.09        0.05612                        413534.78
3728484.09        0.05675
         413554.78    3728484.09        0.05733                        413574.78
3728484.09        0.05781
         413594.78    3728484.09        0.05840                        413614.78
3728484.09        0.05881
         413634.78    3728484.09        0.05890                        413654.78
3728484.09        0.05869
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***       05/26/20
 *** AERMET - VERSION  16216 ***   ***
                         ***       16:48:31

                                   PAGE 401
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2   ***
                                   INCLUDING SOURCE(S):     L0000145    , L0000146
, L0000147    , L0000148    , L0000149    ,
                 L0000150    , L0000151    , L0000152    , L0000153    , L0000154
, L0000155    , L0000156    , L0000157    ,
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L0000158 , L0000159 , L0000160 , L0000161 , L0000162
, L0000163 , L0000164 , L0000165 ,
L0000166 , L0000167 , L0000168 , L0000169 , L0000170
, L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
413674.78	3728484.09	0.05995	413694.78	3728484.09	0.06057
413714.78	3728484.09	0.06110	413734.78	3728484.09	0.06141
413334.78	3728504.09	0.05080	413354.78	3728504.09	0.05089
413374.78	3728504.09	0.05127	413394.78	3728504.09	0.05219
413414.78	3728504.09	0.05296	413434.78	3728504.09	0.05349
413454.78	3728504.09	0.05405	413474.78	3728504.09	0.05454
413494.78	3728504.09	0.05491	413514.78	3728504.09	0.05573
413534.78	3728504.09	0.05631	413554.78	3728504.09	0.05680
413574.78	3728504.09	0.05722	413594.78	3728504.09	0.05788
413614.78	3728504.09	0.05834	413634.78	3728504.09	0.05852
413654.78	3728504.09	0.05823	413674.78	3728504.09	0.05959
413694.78	3728504.09	0.06018	413714.78	3728504.09	0.06064
413734.78	3728504.09	0.06085	413334.78	3728524.09	0.05048
413354.78	3728524.09	0.05091	413374.78	3728524.09	0.05091
413394.78	3728524.09	0.05148	413414.78	3728524.09	0.05250
413434.78	3728524.09	0.05309	413454.78	3728524.09	0.05374
413474.78	3728524.09	0.05409	413494.78	3728524.09	0.05460
413514.78	3728524.09	0.05516	413534.78		

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3728524.09        0.05570
         413554.78    3728524.09        0.05621                      413574.78
3728524.09        0.05686
         413594.78    3728524.09        0.05747                      413614.78
3728524.09        0.05784
         413634.78    3728524.09        0.05779                      413654.78
3728524.09        0.05778
         413674.78    3728524.09        0.05902                      413694.78
3728524.09        0.05969
         413714.78    3728524.09        0.06009                      413734.78
3728524.09        0.06004
         413334.78    3728544.09        0.05011                      413354.78
3728544.09        0.05056
         413374.78    3728544.09        0.05075                      413394.78
3728544.09        0.05099
         413414.78    3728544.09        0.05207                      413434.78
3728544.09        0.05274
         413454.78    3728544.09        0.05324                      413474.78
3728544.09        0.05352
         413494.78    3728544.09        0.05430                      413514.78
3728544.09        0.05486
         413534.78    3728544.09        0.05537                      413554.78
3728544.09        0.05591
         413574.78    3728544.09        0.05647                      413594.78
3728544.09        0.05688
         413614.78    3728544.09        0.05715                      413634.78
3728544.09        0.05705
         413654.78    3728544.09        0.05729                      413674.78
3728544.09        0.05866
         413694.78    3728544.09        0.05925                      413714.78
3728544.09        0.05975
         413734.78    3728544.09        0.06012                      413374.78
3728564.09        0.05061
         413394.78    3728564.09        0.05117                      413414.78
3728564.09        0.05172
         413434.78    3728564.09        0.05234                      413454.78
3728564.09        0.05270
         413474.78    3728564.09        0.05322                      413494.78
3728564.09        0.05392
         413514.78    3728564.09        0.05445                      413534.78
3728564.09        0.05497
         413554.78    3728564.09        0.05542                      413574.78
3728564.09        0.05575
         413594.78    3728564.09        0.05595                      413614.78
3728564.09        0.05615
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***       05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***       16:48:31
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SRCGP2 ***

INCLUDING SOURCE(S): L0000145 , L0000146 , L0000147 , L0000148 , L0000149 , L0000150 , L0000151 , L0000152 , L0000153 , L0000154 , L0000155 , L0000156 , L0000157 , L0000158 , L0000159 , L0000160 , L0000161 , L0000162 , L0000163 , L0000164 , L0000165 , L0000166 , L0000167 , L0000168 , L0000169 , L0000170 , L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
413634.78	3728564.09	0.05637	413654.78	3728564.09	0.05681
413674.78	3728564.09	0.05792	413694.78	3728564.09	0.05869
413714.78	3728564.09	0.05937	413734.78	3728564.09	0.06000
413374.78	3728584.09	0.05032	413394.78	3728584.09	0.05081
413414.78	3728584.09	0.05137	413434.78	3728584.09	0.05187
413454.78	3728584.09	0.05202	413474.78	3728584.09	0.05291
413494.78	3728584.09	0.05348	413514.78	3728584.09	0.05390
413534.78	3728584.09	0.05431	413554.78	3728584.09	0.05453
413574.78	3728584.09	0.05463	413594.78	3728584.09	0.05502
413614.78	3728584.09	0.05548	413634.78	3728584.09	0.05609
413654.78	3728584.09	0.05676	413674.78	3728584.09	0.05775
413694.78	3728584.09	0.05875	413714.78	3728584.09	0.05938
413734.78	3728584.09	0.05987	413374.78	3728604.09	0.04988

413394.78 3728604.09 0.05050 413414.78
3728604.09 0.05099
413434.78 3728604.09 0.05133 413454.78
3728604.09 0.05157
413474.78 3728604.09 0.05246 413494.78
3728604.09 0.05292
413514.78 3728604.09 0.05324 413534.78
3728604.09 0.05335
413554.78 3728604.09 0.05365 413574.78
3728604.09 0.05415
413594.78 3728604.09 0.05480 413614.78
3728604.09 0.05554
413634.78 3728604.09 0.05640 413654.78
3728604.09 0.05739
413674.78 3728604.09 0.05800 413694.78
3728604.09 0.05851
413714.78 3728604.09 0.05899 413734.78
3728604.09 0.05944
413414.78 3728624.09 0.05042 413434.78
3728624.09 0.05099
413454.78 3728624.09 0.05096 413474.78
3728624.09 0.05165
413494.78 3728624.09 0.05218 413514.78
3728624.09 0.05236
413534.78 3728624.09 0.05284 413554.78
3728624.09 0.05350
413574.78 3728624.09 0.05429 413594.78
3728624.09 0.05501
413614.78 3728624.09 0.05600 413634.78
3728624.09 0.05661
413654.78 3728624.09 0.05713 413674.78
3728624.09 0.05761
413694.78 3728624.09 0.05808 413714.78
3728624.09 0.05854
413734.78 3728624.09 0.05898 413414.78
3728644.09 0.05010
413434.78 3728644.09 0.05063 413454.78
3728644.09 0.05104
413474.78 3728644.09 0.05104 413494.78
3728644.09 0.05147
413514.78 3728644.09 0.05199 413534.78
3728644.09 0.05303
413554.78 3728644.09 0.05368 413574.78
3728644.09 0.05458
413594.78 3728644.09 0.05520 413614.78
3728644.09 0.05572
413634.78 3728644.09 0.05622 413654.78
3728644.09 0.05670
413674.78 3728644.09 0.05717 413694.78
3728644.09 0.05763

                              *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2   ***
                                  INCLUDING SOURCE(S):   L0000145   , L0000146
, L0000147   , L0000148   , L0000149   ,
                  L0000150   , L0000151   , L0000152   , L0000153   , L0000154
, L0000155   , L0000156   , L0000157   ,
                  L0000158   , L0000159   , L0000160   , L0000161   , L0000162
, L0000163   , L0000164   , L0000165   ,
                  L0000166   , L0000167   , L0000168   , L0000169   , L0000170
, L0000171   , L0000172   , . . .   ,

                                     *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         413454.78   3728664.09   0.05085   413474.78
3728664.09   0.05113
         413494.78   3728664.09   0.05180   413514.78
3728664.09   0.05238
         413534.78   3728664.09   0.05317   413554.78
3728664.09   0.05378
         413574.78   3728664.09   0.05430   413594.78
3728664.09   0.05480
         413614.78   3728664.09   0.05530   413634.78
3728664.09   0.05578
         413654.78   3728664.09   0.05625   413674.78
3728664.09   0.05667
         413694.78   3728664.09   0.05688   413714.78
3728664.09   0.05712
         413734.78   3728664.09   0.05764   413414.78
3728684.09   0.04932
         413434.78   3728684.09   0.04986   413454.78

3728684.09 0.05040
413474.78 3728684.09 0.05103 413494.78
3728684.09 0.05176
413514.78 3728684.09 0.05234 413534.78
3728684.09 0.05286
413554.78 3728684.09 0.05337 413574.78
3728684.09 0.05388
413594.78 3728684.09 0.05437 413614.78
3728684.09 0.05486
413634.78 3728684.09 0.05529 413654.78
3728684.09 0.05558
413674.78 3728684.09 0.05561 413694.78
3728684.09 0.05597
413714.78 3728684.09 0.05661 413734.78
3728684.09 0.05733
410427.04 3723000.34 0.22987 410447.04
3723000.34 0.23877
410467.04 3723000.34 0.24828 410487.04
3723000.34 0.25840
410507.04 3723000.34 0.26917 410527.04
3723000.34 0.28073
410547.04 3723000.34 0.29318 410567.04
3723000.34 0.30651
410587.04 3723000.34 0.32074 410607.04
3723000.34 0.33610
410627.04 3723000.34 0.35271 410647.04
3723000.34 0.37059
410667.04 3723000.34 0.38981 410687.04
3723000.34 0.41067
410707.04 3723000.34 0.43338 410727.04
3723000.34 0.45792
410747.04 3723000.34 0.48462 410767.04
3723000.34 0.51371
410787.04 3723000.34 0.54549 410807.04
3723000.34 0.58023
410827.04 3723000.34 0.61832 410847.04
3723000.34 0.66021
410867.04 3723000.34 0.70638 410887.04
3723000.34 0.75729
410907.04 3723000.34 0.81375 410927.04
3723000.34 0.87645
410947.04 3723000.34 0.94632 410967.04
3723000.34 1.02464
410987.04 3723000.34 1.11266 411007.04
3723000.34 1.21220
411027.04 3723000.34 1.32559 411047.04
3723000.34 1.45526
411067.04 3723000.34 1.60509 411087.04
3723000.34 1.77983
411107.04 3723000.34 1.98574 411127.04

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3723000.34        2.23143
         411147.04    3723000.34        2.52880                            411167.04
3723000.34        2.89425
         411187.04    3723000.34        3.35176                            411207.04
3723000.34        3.93676
         411227.04    3723000.34        4.70247                            411327.04
3723000.34       19.21231
         410427.04    3723020.34        0.22707                            410447.04
3723020.34        0.23573
         410467.04    3723020.34        0.24494                            410487.04
3723020.34        0.25476
         410507.04    3723020.34        0.26526                            410527.04
3723020.34        0.27650
↑ *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                         ***       05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***       16:48:31

                                 PAGE 404
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                             *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2   ***
                                 INCLUDING SOURCE(S):     L0000145    , L0000146
, L0000147    , L0000148    , L0000149    ,
                 L0000150    , L0000151    , L0000152    , L0000153    , L0000154
, L0000155    , L0000156    , L0000157    ,
                 L0000158    , L0000159    , L0000160    , L0000161    , L0000162
, L0000163    , L0000164    , L0000165    ,
                 L0000166    , L0000167    , L0000168    , L0000169    , L0000170
, L0000171    , L0000172    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

       X-COORD (M)   Y-COORD (M)        CONC                            X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
         410547.04    3723020.34        0.28853                            410567.04
3723020.34        0.30142
         410587.04    3723020.34        0.31524                            410607.04
3723020.34        0.33008
         410627.04    3723020.34        0.34605                            410647.04
3723020.34        0.36324
         410667.04    3723020.34        0.38178                            410687.04
3723020.34        0.40181
```

410707.04 3723020.34 0.42349 410727.04
3723020.34 0.44697
410747.04 3723020.34 0.47245 410767.04
3723020.34 0.50016
410787.04 3723020.34 0.53028 410807.04
3723020.34 0.56316
410827.04 3723020.34 0.59915 410847.04
3723020.34 0.63860
410867.04 3723020.34 0.68192 410887.04
3723020.34 0.72960
410907.04 3723020.34 0.78224 410927.04
3723020.34 0.84051
410947.04 3723020.34 0.90522 410967.04
3723020.34 0.97742
410987.04 3723020.34 1.05826 411007.04
3723020.34 1.14922
411027.04 3723020.34 1.25218 411047.04
3723020.34 1.36946
411067.04 3723020.34 1.50410 411087.04
3723020.34 1.65996
411107.04 3723020.34 1.84214 411127.04
3723020.34 2.05752
411147.04 3723020.34 2.31525 411167.04
3723020.34 2.62795
411187.04 3723020.34 3.01336 411207.04
3723020.34 3.49636
411227.04 3723020.34 4.11372 410427.04
3723040.34 0.22420
410447.04 3723040.34 0.23260 410467.04
3723040.34 0.24158
410487.04 3723040.34 0.25116 410507.04
3723040.34 0.26137
410527.04 3723040.34 0.27226 410547.04
3723040.34 0.28391
410567.04 3723040.34 0.29638 410587.04
3723040.34 0.30975
410607.04 3723040.34 0.32399 410627.04
3723040.34 0.33935
410647.04 3723040.34 0.35589 410667.04
3723040.34 0.37369
410687.04 3723040.34 0.39288 410707.04
3723040.34 0.41360
410727.04 3723040.34 0.43601 410747.04
3723040.34 0.46039
410767.04 3723040.34 0.48657 410787.04
3723040.34 0.51515
410807.04 3723040.34 0.54626 410827.04
3723040.34 0.58016
410847.04 3723040.34 0.61724 410867.04
3723040.34 0.65784

```
         410887.04    3723040.34        0.70236                      410907.04
3723040.34        0.75138
         410927.04    3723040.34        0.80543                      410947.04
3723040.34        0.86500
         410967.04    3723040.34        0.93160                      410987.04
3723040.34        1.00569
         411007.04    3723040.34        1.08863                      411027.04
3723040.34        1.18197
         411047.04    3723040.34        1.28773                      411067.04
3723040.34        1.40834
         411087.04    3723040.34        1.54695                      411107.04
3723040.34        1.70765
         411127.04    3723040.34        1.89577                      411147.04
3723040.34        2.11844
         411167.04    3723040.34        2.38511                      411187.04
3723040.34        2.70891
         411207.04    3723040.34        3.10714                      411227.04
3723040.34        3.60518
         410427.04    3723060.34        0.22125                      410447.04
3723060.34        0.22940
         410467.04    3723060.34        0.23816                      410487.04
3723060.34        0.24749
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                        ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        16:48:31

                                  PAGE 405
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2   ***
                                  INCLUDING SOURCE(S):     L0000145    , L0000146
, L0000147    , L0000148    , L0000149    ,
                  L0000150    , L0000151    , L0000152    , L0000153    , L0000154
, L0000155    , L0000156    , L0000157    ,
                  L0000158    , L0000159    , L0000160    , L0000161    , L0000162
, L0000163    , L0000164    , L0000165    ,
                  L0000166    , L0000167    , L0000168    , L0000169    , L0000170
, L0000171    , L0000172    ,  . . .      ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                      X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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- -

410507.04	3723060.34	0.25741	410527.04	3723060.34	0.26796
410547.04	3723060.34	0.27924	410567.04	3723060.34	0.29127
410587.04	3723060.34	0.30418	410607.04	3723060.34	0.31788
410627.04	3723060.34	0.33273	410647.04	3723060.34	0.34863
410667.04	3723060.34	0.36570	410687.04	3723060.34	0.38407
410707.04	3723060.34	0.40386	410727.04	3723060.34	0.42521
410747.04	3723060.34	0.44832	410767.04	3723060.34	0.47310
410787.04	3723060.34	0.50012	410807.04	3723060.34	0.52947
410827.04	3723060.34	0.56123	410847.04	3723060.34	0.59606
410867.04	3723060.34	0.63404	410887.04	3723060.34	0.67553
410907.04	3723060.34	0.72105	410927.04	3723060.34	0.77109
410947.04	3723060.34	0.82607	410967.04	3723060.34	0.88717
410987.04	3723060.34	0.95488	411007.04	3723060.34	1.03031
411027.04	3723060.34	1.11477	411047.04	3723060.34	1.20989
411067.04	3723060.34	1.31768	411087.04	3723060.34	1.44063
411107.04	3723060.34	1.58199	411127.04	3723060.34	1.74582
411147.04	3723060.34	1.93779	411167.04	3723060.34	2.16527
411187.04	3723060.34	2.43693	411207.04	3723060.34	2.76496
411227.04	3723060.34	3.16788	411247.04	3723060.34	3.67105
411267.04	3723060.34	4.31508	411287.04	3723060.34	5.16011
410427.04	3723080.34	0.21817	410447.04	3723080.34	0.22618
410467.04	3723080.34	0.23469	410487.04	3723080.34	0.24375
410507.04	3723080.34	0.25338	410527.04	3723080.34	0.26360
410547.04	3723080.34	0.27452	410567.04	3723080.34	0.28613
410587.04	3723080.34	0.29857	410607.04		

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3723080.34        0.31176
         410627.04    3723080.34        0.32604                        410647.04
3723080.34        0.34132
         410667.04    3723080.34        0.35766                        410687.04
3723080.34        0.37521
         410707.04    3723080.34        0.39410                        410727.04
3723080.34        0.41442
         410747.04    3723080.34        0.43633                        410767.04
3723080.34        0.45978
         410787.04    3723080.34        0.48529                        410807.04
3723080.34        0.51294
         410827.04    3723080.34        0.54277                        410847.04
3723080.34        0.57542
         410867.04    3723080.34        0.61091                        410887.04
3723080.34        0.64953
         410907.04    3723080.34        0.69163                        410927.04
3723080.34        0.73795
         410947.04    3723080.34        0.78875                        410967.04
3723080.34        0.84463
         410987.04    3723080.34        0.90628                        411007.04
3723080.34        0.97493
         411027.04    3723080.34        1.05121                        411047.04
3723080.34        1.13658
         411067.04    3723080.34        1.23262                        411087.04
3723080.34        1.34167
         411107.04    3723080.34        1.46594                        411127.04
3723080.34        1.60849
         411147.04    3723080.34        1.77388                        411167.04
3723080.34        1.96776
         411187.04    3723080.34        2.19611                        411207.04
3723080.34        2.46812
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                        ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        16:48:31

                                  PAGE 406
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2   ***
                                  INCLUDING SOURCE(S):     L0000145    , L0000146
, L0000147    , L0000148    , L0000149    ,
                  L0000150    , L0000151    , L0000152    , L0000153    , L0000154
, L0000155    , L0000156    , L0000157    ,
                  L0000158    , L0000159    , L0000160    , L0000161    , L0000162
, L0000163    , L0000164    , L0000165    ,
                  L0000166    , L0000167    , L0000168    , L0000169    , L0000170
, L0000171    , L0000172    ,  . . .      ,
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
411227.04	3723080.34	2.79777	411247.04	3723080.34	3.20309
411267.04	3723080.34	3.71314	411287.04	3723080.34	4.37523
410427.04	3723100.34	0.21514	410447.04	3723100.34	0.22296
410467.04	3723100.34	0.23122	410487.04	3723100.34	0.24000
410507.04	3723100.34	0.24933	410527.04	3723100.34	0.25921
410547.04	3723100.34	0.26976	410567.04	3723100.34	0.28097
410587.04	3723100.34	0.29294	410607.04	3723100.34	0.30562
410627.04	3723100.34	0.31928	410647.04	3723100.34	0.33390
410667.04	3723100.34	0.34952	410687.04	3723100.34	0.36628
410707.04	3723100.34	0.38426	410727.04	3723100.34	0.40357
410747.04	3723100.34	0.42442	410767.04	3723100.34	0.44661
410787.04	3723100.34	0.47068	410807.04	3723100.34	0.49674
410827.04	3723100.34	0.52468	410847.04	3723100.34	0.55533
410867.04	3723100.34	0.58844	410887.04	3723100.34	0.62434
410907.04	3723100.34	0.66328	410927.04	3723100.34	0.70614
410947.04	3723100.34	0.75285	410967.04	3723100.34	0.80397
410987.04	3723100.34	0.86006	411007.04	3723100.34	0.92243
411027.04	3723100.34	0.99129	411047.04	3723100.34	1.06781
411067.04	3723100.34	1.15334	411087.04	3723100.34	1.24994
411107.04	3723100.34	1.35906	411127.04	3723100.34	1.48310

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         411147.04    3723100.34        1.62572                      411167.04
3723100.34        1.79116
         411187.04    3723100.34        1.98397                      411207.04
3723100.34        2.21127
         411227.04    3723100.34        2.48391                      411247.04
3723100.34        2.81583
         411267.04    3723100.34        3.22688                      411287.04
3723100.34        3.75527
         411307.04    3723100.34        4.44474                      410427.04
3723120.34        0.21215
         410447.04    3723120.34        0.21972                      410467.04
3723120.34        0.22772
         410487.04    3723120.34        0.23623                      410507.04
3723120.34        0.24525
         410527.04    3723120.34        0.25481                      410547.04
3723120.34        0.26499
         410567.04    3723120.34        0.27579                      410587.04
3723120.34        0.28730
         410607.04    3723120.34        0.29948                      410627.04
3723120.34        0.31259
         410647.04    3723120.34        0.32659                      410667.04
3723120.34        0.34151
         410687.04    3723120.34        0.35748                      410707.04
3723120.34        0.37458
         410727.04    3723120.34        0.39291                      410747.04
3723120.34        0.41267
         410767.04    3723120.34        0.43363                      410787.04
3723120.34        0.45632
         410807.04    3723120.34        0.48082                      410827.04
3723120.34        0.50700
         410847.04    3723120.34        0.53567                      410867.04
3723120.34        0.56651
         410887.04    3723120.34        0.59985                      410907.04
3723120.34        0.63585
         410927.04    3723120.34        0.67539                      410947.04
3723120.34        0.71827
         410967.04    3723120.34        0.76502                      410987.04
3723120.34        0.81606
         411007.04    3723120.34        0.87257                      411027.04
3723120.34        0.93463
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                        ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                        ***       16:48:31

                                  PAGE 407
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2   ***
```

INCLUDING SOURCE(S): L0000145 , L0000146
, L0000147 , L0000148 , L0000149 ,
L0000150 , L0000151 , L0000152 , L0000153 , L0000154
, L0000155 , L0000156 , L0000157 ,
L0000158 , L0000159 , L0000160 , L0000161 , L0000162
, L0000163 , L0000164 , L0000165 ,
L0000166 , L0000167 , L0000168 , L0000169 , L0000170
, L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
411047.04	3723120.34	1.00321	411067.04	3723120.34	1.07941
411087.04	3723120.34	1.16491	411107.04	3723120.34	1.26073
411127.04	3723120.34	1.36884	411147.04	3723120.34	1.49208
411167.04	3723120.34	1.63385	411187.04	3723120.34	1.79761
411207.04	3723120.34	1.98906	411227.04	3723120.34	2.21668
411247.04	3723120.34	2.49182	411267.04	3723120.34	2.83048
411287.04	3723120.34	3.25803	411307.04	3723120.34	3.80951
411327.04	3723120.34	4.51076	410707.04	3723140.34	0.36507
410727.04	3723140.34	0.38246	410747.04	3723140.34	0.40109
410767.04	3723140.34	0.42086	410787.04	3723140.34	0.44223
410807.04	3723140.34	0.46521	410827.04	3723140.34	0.48974
410847.04	3723140.34	0.51651	410867.04	3723140.34	0.54522
410887.04	3723140.34	0.57613	410907.04	3723140.34	0.60941
410927.04	3723140.34	0.64582	410947.04	3723140.34	0.68518
410967.04	3723140.34	0.72789	410987.04	3723140.34	0.77431
411007.04	3723140.34	0.82546	411027.04		

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3723140.34        0.88141
         411047.04    3723140.34        0.94283                    411067.04
3723140.34        1.01069
         411087.04    3723140.34        1.08642                    411107.04
3723140.34        1.17069
         411127.04    3723140.34        1.26512                    411147.04
3723140.34        1.37195
         411167.04    3723140.34        1.49392                    411187.04
3723140.34        1.63391
         411207.04    3723140.34        1.79638                    411227.04
3723140.34        1.98850
         411247.04    3723140.34        2.21945                    411267.04
3723140.34        2.50211
         411287.04    3723140.34        2.85539                    411307.04
3723140.34        3.30253
         411327.04    3723140.34        3.86635                    410707.04
3723160.34        0.35561
         410727.04    3723160.34        0.37210                    410747.04
3723160.34        0.38972
         410767.04    3723160.34        0.40834                    410787.04
3723160.34        0.42844
         410807.04    3723160.34        0.45001                    410827.04
3723160.34        0.47296
         410847.04    3723160.34        0.49793                    410867.04
3723160.34        0.52461
         410887.04    3723160.34        0.55327                    410907.04
3723160.34        0.58401
         410927.04    3723160.34        0.61750                    410947.04
3723160.34        0.65359
         410967.04    3723160.34        0.69258                    410987.04
3723160.34        0.73480
         411007.04    3723160.34        0.78112                    411027.04
3723160.34        0.83150
         411047.04    3723160.34        0.88649                    411067.04
3723160.34        0.94700
         411087.04    3723160.34        1.01414                    411107.04
3723160.34        1.08839
         411127.04    3723160.34        1.17108                    411147.04
3723160.34        1.26406
         411167.04    3723160.34        1.36957                    411187.04
3723160.34        1.49000
         411207.04    3723160.34        1.62909                    411227.04
3723160.34        1.79292
         411247.04    3723160.34        1.98887                    411267.04
3723160.34        2.22759
         411287.04    3723160.34        2.52355                    411307.04
3723160.34        2.89298
         411327.04    3723160.34        3.35295                    411347.04
3723160.34        3.91214
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
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*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SRCGP2 ***

INCLUDING SOURCE(S): L0000145 , L0000146 , L0000147 , L0000148 , L0000149 , L0000150 , L0000151 , L0000152 , L0000153 , L0000154 , L0000155 , L0000156 , L0000157 , L0000158 , L0000159 , L0000160 , L0000161 , L0000162 , L0000163 , L0000164 , L0000165 , L0000166 , L0000167 , L0000168 , L0000169 , L0000170 , L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
411367.04	3723160.34	4.56422	410707.04	3723180.34	0.34623
410727.04	3723180.34	0.36183	410747.04	3723180.34	0.37853
410767.04	3723180.34	0.39610	410787.04	3723180.34	0.41500
410807.04	3723180.34	0.43523	410827.04	3723180.34	0.45665
410847.04	3723180.34	0.47994	410867.04	3723180.34	0.50473
410887.04	3723180.34	0.53127	410907.04	3723180.34	0.55964
410927.04	3723180.34	0.59046	410947.04	3723180.34	0.62352
410967.04	3723180.34	0.65914	410987.04	3723180.34	0.69751
411007.04	3723180.34	0.73945	411027.04	3723180.34	0.78483
411047.04	3723180.34	0.83424	411067.04	3723180.34	0.88827
411087.04	3723180.34	0.94773	411107.04	3723180.34	1.01330

411127.04 3723180.34 1.08593 411147.04
3723180.34 1.16716
411167.04 3723180.34 1.25893 411187.04
3723180.34 1.36328
411207.04 3723180.34 1.48333 411227.04
3723180.34 1.62431
411247.04 3723180.34 1.79234 411267.04
3723180.34 1.99595
411287.04 3723180.34 2.24619 411307.04
3723180.34 2.55602
411327.04 3723180.34 2.93758 411347.04
3723180.34 3.39824
411367.04 3723180.34 3.93610 411387.04
3723180.34 4.53748
410707.04 3723200.34 0.33713 410727.04
3723200.34 0.35188
410747.04 3723200.34 0.36761 410767.04
3723200.34 0.38414
410787.04 3723200.34 0.40190 410807.04
3723200.34 0.42085
410827.04 3723200.34 0.44086 410847.04
3723200.34 0.46255
410867.04 3723200.34 0.48560 410887.04
3723200.34 0.51016
410907.04 3723200.34 0.53633 410927.04
3723200.34 0.56468
410947.04 3723200.34 0.59498 410967.04
3723200.34 0.62747
410987.04 3723200.34 0.66236 411007.04
3723200.34 0.70033
411027.04 3723200.34 0.74127 411047.04
3723200.34 0.78567
411067.04 3723200.34 0.83398 411087.04
3723200.34 0.88681
411107.04 3723200.34 0.94483 411127.04
3723200.34 1.00883
411147.04 3723200.34 1.08016 411167.04
3723200.34 1.16045
411187.04 3723200.34 1.25142 411207.04
3723200.34 1.35589
411227.04 3723200.34 1.47818 411247.04
3723200.34 1.62355
411267.04 3723200.34 1.79884 411287.04
3723200.34 2.01268
411307.04 3723200.34 2.27589 411327.04
3723200.34 2.59650
411347.04 3723200.34 2.98043 411367.04
3723200.34 3.42892
411387.04 3723200.34 3.93242 410707.04
3723220.34 0.32818

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SRCGP2 ***
INCLUDING SOURCE(S): L0000145 , L0000146 , L0000147 , L0000148 , L0000149 ,
L0000150 , L0000151 , L0000152 , L0000153 , L0000154 , L0000155 , L0000156 , L0000157 ,
L0000158 , L0000159 , L0000160 , L0000161 , L0000162 , L0000163 , L0000164 , L0000165 ,
L0000166 , L0000167 , L0000168 , L0000169 , L0000170 , L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
410887.04	3723220.34	0.48992	410907.04	3723220.34	0.51407
410927.04	3723220.34	0.54015	410947.04	3723220.34	0.56791
410967.04	3723220.34	0.59757	410987.04	3723220.34	0.62929
411007.04	3723220.34	0.66367	411027.04	3723220.34	0.70061
411047.04	3723220.34	0.74050	411067.04	3723220.34	0.78374
411087.04	3723220.34	0.83082	411107.04	3723220.34	0.88233
411127.04	3723220.34	0.93898	411147.04		

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3723220.34        1.00191
         411167.04    3723220.34        1.07253                   411187.04
3723220.34        1.15242
         411207.04    3723220.34        1.24396                   411227.04
3723220.34        1.35096
         411247.04    3723220.34        1.47772                   411267.04
3723220.34        1.62986
         411287.04    3723220.34        1.81437                   411307.04
3723220.34        2.03956
         411327.04    3723220.34        2.31198                   411347.04
3723220.34        2.63645
         411367.04    3723220.34        3.01372                   411387.04
3723220.34        3.43885
         410707.04    3723240.34        0.31936                   410727.04
3723240.34        0.33254
         410747.04    3723240.34        0.34648                   410767.04
3723240.34        0.36116
         410787.04    3723240.34        0.37681                   410807.04
3723240.34        0.39340
         410827.04    3723240.34        0.41087                   410847.04
3723240.34        0.42968
         410867.04    3723240.34        0.44951                   410887.04
3723240.34        0.47056
         410907.04    3723240.34        0.49283                   410927.04
3723240.34        0.51681
         410947.04    3723240.34        0.54226                   410967.04
3723240.34        0.56934
         410987.04    3723240.34        0.59819                   411007.04
3723240.34        0.62931
         411027.04    3723240.34        0.66264                   411047.04
3723240.34        0.69851
         411067.04    3723240.34        0.73729                   411087.04
3723240.34        0.77941
         411107.04    3723240.34        0.82528                   411127.04
3723240.34        0.87567
         411147.04    3723240.34        0.93146                   411167.04
3723240.34        0.99387
         411187.04    3723240.34        1.06445                   411207.04
3723240.34        1.14528
         411227.04    3723240.34        1.23957                   411247.04
3723240.34        1.35089
         411267.04    3723240.34        1.48394                   411287.04
3723240.34        1.64434
         411307.04    3723240.34        1.83872                   411327.04
3723240.34        2.07223
         411347.04    3723240.34        2.34897                   411367.04
3723240.34        2.66959
         411387.04    3723240.34        3.03148                   411407.04
3723240.34        3.42506
         410707.04    3723260.34        0.31069                   410727.04
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3723260.34        0.32313
         410747.04    3723260.34        0.33627                      410767.04
3723260.34        0.35016
         410787.04    3723260.34        0.36482                      410807.04
3723260.34        0.38031
         410827.04    3723260.34        0.39667                      410847.04
3723260.34        0.41421
         410867.04    3723260.34        0.43260                      410887.04
3723260.34        0.45207
         410907.04    3723260.34        0.47260                      410927.04
3723260.34        0.49467
         410947.04    3723260.34        0.51799                      410967.04
3723260.34        0.54274
         410987.04    3723260.34        0.56903                      411007.04
3723260.34        0.59735
         411027.04    3723260.34        0.62750                      411047.04
3723260.34        0.65979
↑ *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                         ***       05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***       16:48:31

                                 PAGE 410
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                             *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2   ***
                                 INCLUDING SOURCE(S):     L0000145    , L0000146
, L0000147    , L0000148    , L0000149    ,
                 L0000150    , L0000151    , L0000152    , L0000153    , L0000154
, L0000155    , L0000156    , L0000157    ,
                 L0000158    , L0000159    , L0000160    , L0000161    , L0000162
, L0000163    , L0000164    , L0000165    ,
                 L0000166    , L0000167    , L0000168    , L0000169    , L0000170
, L0000171    , L0000172    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
         411067.04    3723260.34        0.69463                      411087.04
3723260.34        0.73245
         411107.04    3723260.34        0.77347                      411127.04
3723260.34        0.81834
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411147.04 3723260.34 0.86810 411167.04
3723260.34 0.92360
411187.04 3723260.34 0.98630 411207.04
3723260.34 1.05805
411227.04 3723260.34 1.14157 411247.04
3723260.34 1.23994
411267.04 3723260.34 1.35705 411287.04
3723260.34 1.49746
411307.04 3723260.34 1.66649 411327.04
3723260.34 1.86830
411347.04 3723260.34 2.10628 411367.04
3723260.34 2.38123
411387.04 3723260.34 2.69146 411407.04
3723260.34 3.03021
410707.04 3723280.34 0.30240 410727.04
3723280.34 0.31411
410747.04 3723280.34 0.32654 410767.04
3723280.34 0.33953
410787.04 3723280.34 0.35330 410807.04
3723280.34 0.36784
410827.04 3723280.34 0.38302 410847.04
3723280.34 0.39931
410867.04 3723280.34 0.41639 410887.04
3723280.34 0.43440
410907.04 3723280.34 0.45335 410927.04
3723280.34 0.47363
410947.04 3723280.34 0.49503 410967.04
3723280.34 0.51764
410987.04 3723280.34 0.54163 411007.04
3723280.34 0.56737
411027.04 3723280.34 0.59470 411047.04
3723280.34 0.62386
411067.04 3723280.34 0.65522 411087.04
3723280.34 0.68922
411107.04 3723280.34 0.72605 411127.04
3723280.34 0.76628
411147.04 3723280.34 0.81072 411167.04
3723280.34 0.86041
411187.04 3723280.34 0.91644 411207.04
3723280.34 0.98049
411227.04 3723280.34 1.05493 411247.04
3723280.34 1.14236
411267.04 3723280.34 1.24603 411287.04
3723280.34 1.36971
411307.04 3723280.34 1.51768 411327.04
3723280.34 1.69334
411347.04 3723280.34 1.89951 411367.04
3723280.34 2.13715
411387.04 3723280.34 2.40480 411407.04
3723280.34 2.69825

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         410707.04    3723300.34        0.29427                        410727.04
3723300.34        0.30533
         410747.04    3723300.34        0.31703                        410767.04
3723300.34        0.32921
         410787.04    3723300.34        0.34214                        410807.04
3723300.34        0.35574
         410827.04    3723300.34        0.36989                        410847.04
3723300.34        0.38504
         410867.04    3723300.34        0.40090                        410887.04
3723300.34        0.41755
         410907.04    3723300.34        0.43505                        410927.04
3723300.34        0.45364
         410947.04    3723300.34        0.47326                        410967.04
3723300.34        0.49396
         410987.04    3723300.34        0.51592                        411007.04
3723300.34        0.53933
         411027.04    3723300.34        0.56414                        411047.04
3723300.34        0.59054
         411067.04    3723300.34        0.61886                        411087.04
3723300.34        0.64952
         411107.04    3723300.34        0.68257                        411127.04
3723300.34        0.71875
         411147.04    3723300.34        0.75883                        411167.04
3723300.34        0.80346
         411187.04    3723300.34        0.85382                        411207.04
3723300.34        0.91126
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                        ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        16:48:31

                                   PAGE 411
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2   ***
                                    INCLUDING SOURCE(S):     L0000145    , L0000146
, L0000147    , L0000148    , L0000149    ,
                  L0000150    , L0000151    , L0000152    , L0000153    , L0000154
, L0000155    , L0000156    , L0000157    ,
                  L0000158    , L0000159    , L0000160    , L0000161    , L0000162
, L0000163    , L0000164    , L0000165    ,
                  L0000166    , L0000167    , L0000168    , L0000169    , L0000170
, L0000171    , L0000172    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                               ** CONC OF PM_10    IN MICROGRAMS/M**3
                    **
```

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
411227.04	3723300.34	0.97792	411247.04	3723300.34	1.05602
411267.04	3723300.34	1.14829	411287.04	3723300.34	1.25790
411307.04	3723300.34	1.38816	411327.04	3723300.34	1.54210
411347.04	3723300.34	1.72191	411367.04	3723300.34	1.92864
411387.04	3723300.34	2.16128	411407.04	3723300.34	2.41678
411427.04	3723300.34	2.68933	411447.04	3723300.34	2.97110
410707.04	3723320.34	0.28635	410727.04	3723320.34	0.29678
410747.04	3723320.34	0.30782	410767.04	3723320.34	0.31924
410787.04	3723320.34	0.33136	410807.04	3723320.34	0.34407
410827.04	3723320.34	0.35727	410847.04	3723320.34	0.37138
410867.04	3723320.34	0.38610	410887.04	3723320.34	0.40151
410907.04	3723320.34	0.41769	410927.04	3723320.34	0.43482
410947.04	3723320.34	0.45280	410967.04	3723320.34	0.47177
410987.04	3723320.34	0.49179	411007.04	3723320.34	0.51314
411027.04	3723320.34	0.53568	411047.04	3723320.34	0.55964
411067.04	3723320.34	0.58530	411087.04	3723320.34	0.61304
411107.04	3723320.34	0.64289	411127.04	3723320.34	0.67558
411147.04	3723320.34	0.71176	411167.04	3723320.34	0.75206
411187.04	3723320.34	0.79754	411207.04	3723320.34	0.84938
411227.04	3723320.34	0.90938	411247.04	3723320.34	0.97946
411267.04	3723320.34	1.06200	411287.04	3723320.34	1.15957
411307.04	3723320.34	1.27485	411327.04	3723320.34	1.41044
411347.04	3723320.34	1.56820	411367.04		

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3723320.34        1.74908
         411387.04    3723320.34        1.95250                        411407.04
3723320.34        2.17613
         411427.04    3723320.34        2.41570                        411447.04
3723320.34        2.66498
         411467.04    3723320.34        2.91675                        411487.04
3723320.34        3.16228
         410707.04    3723340.34        0.27865                        410727.04
3723340.34        0.28848
         410747.04    3723340.34        0.29888                        410767.04
3723340.34        0.30960
         410787.04    3723340.34        0.32095                        410807.04
3723340.34        0.33284
         410827.04    3723340.34        0.34516                        410847.04
3723340.34        0.35828
         410867.04    3723340.34        0.37195                        410887.04
3723340.34        0.38625
         410907.04    3723340.34        0.40124                        410927.04
3723340.34        0.41698
         410947.04    3723340.34        0.43351                        410967.04
3723340.34        0.45088
         410987.04    3723340.34        0.46916                        411007.04
3723340.34        0.48865
         411027.04    3723340.34        0.50918                        411047.04
3723340.34        0.53098
         411067.04    3723340.34        0.55429                        411087.04
3723340.34        0.57948
         411107.04    3723340.34        0.60660                        411127.04
3723340.34        0.63629
         411147.04    3723340.34        0.66901                        411167.04
3723340.34        0.70555
         411187.04    3723340.34        0.74679                        411207.04
3723340.34        0.79377
         411227.04    3723340.34        0.84800                        411247.04
3723340.34        0.91116
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                        ***       05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***       16:48:31

                                  PAGE 412
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2   ***
                                  INCLUDING SOURCE(S):     L0000145    , L0000146
, L0000147    , L0000148    , L0000149    ,
                  L0000150    , L0000151    , L0000152    , L0000153    , L0000154
, L0000155    , L0000156    , L0000157    ,
                  L0000158    , L0000159    , L0000160    , L0000161    , L0000162
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, L0000163    , L0000164    , L0000165    ,
                 L0000166    , L0000167    , L0000168    , L0000169    , L0000170
, L0000171    , L0000172    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
         411267.04    3723340.34        0.98527                      411287.04
3723340.34        1.07250
         411307.04    3723340.34        1.17509                      411327.04
3723340.34        1.29511
         411347.04    3723340.34        1.43431                      411367.04
3723340.34        1.59340
         411387.04    3723340.34        1.77220                      411407.04
3723340.34        1.96892
         411427.04    3723340.34        2.18036                      411447.04
3723340.34        2.40160
         411467.04    3723340.34        2.62676                      411487.04
3723340.34        2.84934
         410707.04    3723360.34        0.27116                      410727.04
3723360.34        0.28044
         410747.04    3723360.34        0.29022                      410767.04
3723360.34        0.30029
         410787.04    3723360.34        0.31092                      410807.04
3723360.34        0.32203
         410827.04    3723360.34        0.33353                      410847.04
3723360.34        0.34573
         410867.04    3723360.34        0.35842                      410887.04
3723360.34        0.37168
         410907.04    3723360.34        0.38553                      410927.04
3723360.34        0.40005
         410947.04    3723360.34        0.41526                      410967.04
3723360.34        0.43118
         410987.04    3723360.34        0.44794                      411007.04
3723360.34        0.46577
         411027.04    3723360.34        0.48451                      411047.04
3723360.34        0.50439
         411067.04    3723360.34        0.52563                      411087.04
3723360.34        0.54857
         411107.04    3723360.34        0.57328                      411127.04
3723360.34        0.60026
         411147.04    3723360.34        0.63005                      411167.04
3723360.34        0.66332
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         411187.04    3723360.34        0.70087                     411207.04
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3723360.34        0.84996
         411267.04    3723360.34        0.91677                     411287.04
3723360.34        0.99508
         411307.04    3723360.34        1.08677                     411327.04
3723360.34        1.19356
         411347.04    3723360.34        1.31697                     411367.04
3723360.34        1.45764
         411387.04    3723360.34        1.61552                     411407.04
3723360.34        1.78936
         411427.04    3723360.34        1.97673                     411447.04
3723360.34        2.17368
         411467.04    3723360.34        2.37569                     411487.04
3723360.34        2.57715
         410707.04    3723380.34        0.26391                     410727.04
3723380.34        0.27265
         410747.04    3723380.34        0.28185                     410767.04
3723380.34        0.29131
         410787.04    3723380.34        0.30128                     410807.04
3723380.34        0.31164
         410827.04    3723380.34        0.32239                     410847.04
3723380.34        0.33367
         410867.04    3723380.34        0.34544                     410887.04
3723380.34        0.35770
         410907.04    3723380.34        0.37052                     410927.04
3723380.34        0.38391
         410947.04    3723380.34        0.39792                     410967.04
3723380.34        0.41259
         410987.04    3723380.34        0.42803                     411007.04
3723380.34        0.44436
         411027.04    3723380.34        0.46153                     411047.04
3723380.34        0.47969
         411067.04    3723380.34        0.49911                     411087.04
3723380.34        0.52008
         411107.04    3723380.34        0.54266                     411127.04
3723380.34        0.56729
         411147.04    3723380.34        0.59457                     411167.04
3723380.34        0.62501
         411187.04    3723380.34        0.65920                     411207.04
3723380.34        0.69816
         411227.04    3723380.34        0.74296                     411247.04
3723380.34        0.79487
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                        ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        16:48:31
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SRCGP2 ***

INCLUDING SOURCE(S): L0000145 , L0000146 , L0000147 , L0000148 , L0000149 , L0000150 , L0000151 , L0000152 , L0000153 , L0000154 , L0000155 , L0000156 , L0000157 , L0000158 , L0000159 , L0000160 , L0000161 , L0000162 , L0000163 , L0000164 , L0000165 , L0000166 , L0000167 , L0000168 , L0000169 , L0000170 , L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
411267.04	3723380.34	0.85533	411287.04	3723380.34	0.92590
411307.04	3723380.34	1.00818	411327.04	3723380.34	1.10364
411347.04	3723380.34	1.21352	411367.04	3723380.34	1.33851
411387.04	3723380.34	1.47860	411407.04	3723380.34	1.63289
411427.04	3723380.34	1.79949	411447.04	3723380.34	1.97548
411467.04	3723380.34	2.15697	411487.04	3723380.34	2.33938
411507.04	3723380.34	2.51772	411527.04	3723380.34	2.68695
411547.04	3723380.34	2.84245	411567.04	3723380.34	2.97954
411587.04	3723380.34	3.07997	411607.04	3723380.34	3.18913
410707.04	3723400.34	0.25688	410727.04	3723400.34	0.26510
410747.04	3723400.34	0.27377	410767.04	3723400.34	0.28264
410787.04	3723400.34	0.29197	410807.04	3723400.34	0.30170
410827.04	3723400.34	0.31176	410847.04	3723400.34	0.32227
410867.04	3723400.34	0.33320	410887.04		

3723400.34 0.34457
410907.04 3723400.34 0.35643 410927.04
3723400.34 0.36880
410947.04 3723400.34 0.38172 410967.04
3723400.34 0.39521
410987.04 3723400.34 0.40935 411007.04
3723400.34 0.42435
411027.04 3723400.34 0.44010 411047.04
3723400.34 0.45678
411067.04 3723400.34 0.47460 411087.04
3723400.34 0.49378
411107.04 3723400.34 0.51444 411127.04
3723400.34 0.53706
411147.04 3723400.34 0.56205 411167.04
3723400.34 0.58997
411187.04 3723400.34 0.62138 411207.04
3723400.34 0.65705
411227.04 3723400.34 0.69798 411247.04
3723400.34 0.74527
411267.04 3723400.34 0.80015 411287.04
3723400.34 0.86397
411307.04 3723400.34 0.93807 411327.04
3723400.34 1.02373
411347.04 3723400.34 1.12197 411367.04
3723400.34 1.23345
411387.04 3723400.34 1.35824 411407.04
3723400.34 1.49572
411427.04 3723400.34 1.64441 411447.04
3723400.34 1.80197
411467.04 3723400.34 1.96532 411487.04
3723400.34 2.13066
411507.04 3723400.34 2.29417 411527.04
3723400.34 2.45095
411547.04 3723400.34 2.59739 411567.04
3723400.34 2.72918
411587.04 3723400.34 2.83463 411607.04
3723400.34 2.92965
410707.04 3723420.34 0.25004 410727.04
3723420.34 0.25779
410747.04 3723420.34 0.26594 410767.04
3723420.34 0.27428
410787.04 3723420.34 0.28304 410807.04
3723420.34 0.29215
410827.04 3723420.34 0.30155 410847.04
3723420.34 0.31134
410867.04 3723420.34 0.32149 410887.04
3723420.34 0.33203
410907.04 3723420.34 0.34299 410927.04
3723420.34 0.35444
410947.04 3723420.34 0.36639 410967.04

                              *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2   ***
                                  INCLUDING SOURCE(S):   L0000145   , L0000146
, L0000147   , L0000148   , L0000149   ,
                  L0000150   , L0000151   , L0000152   , L0000153   , L0000154
, L0000155   , L0000156   , L0000157   ,
                  L0000158   , L0000159   , L0000160   , L0000161   , L0000162
, L0000163   , L0000164   , L0000165   ,
                  L0000166   , L0000167   , L0000168   , L0000169   , L0000170
, L0000171   , L0000172   , . . .   ,

                                     *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                 **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         411027.04   3723420.34   0.42010   411047.04
3723420.34   0.43543
         411067.04   3723420.34   0.45180   411087.04
3723420.34   0.46944
         411107.04   3723420.34   0.48844   411127.04
3723420.34   0.50923
         411147.04   3723420.34   0.53221   411167.04
3723420.34   0.55791
         411187.04   3723420.34   0.58681   411207.04
3723420.34   0.61957
         411227.04   3723420.34   0.65707   411247.04
3723420.34   0.70027
         411267.04   3723420.34   0.75024   411287.04
3723420.34   0.80815
         411307.04   3723420.34   0.87512   411327.04
3723420.34   0.95226
         411347.04   3723420.34   1.04046   411367.04
3723420.34   1.14030

411387.04 3723420.34 1.25194 411407.04
3723420.34 1.37488
411427.04 3723420.34 1.50804 411447.04
3723420.34 1.64959
411467.04 3723420.34 1.79702 411487.04
3723420.34 1.94722
411507.04 3723420.34 2.09673 411527.04
3723420.34 2.24180
411547.04 3723420.34 2.37902 411567.04
3723420.34 2.50478
411587.04 3723420.34 2.61177 411607.04
3723420.34 2.69403
410707.04 3723440.34 0.24338 410727.04
3723440.34 0.25073
410747.04 3723440.34 0.25836 410767.04
3723440.34 0.26622
410787.04 3723440.34 0.27445 410807.04
3723440.34 0.28296
410827.04 3723440.34 0.29169 410847.04
3723440.34 0.30087
410867.04 3723440.34 0.31029 410887.04
3723440.34 0.32001
410907.04 3723440.34 0.33016 410927.04
3723440.34 0.34083
410947.04 3723440.34 0.35188 410967.04
3723440.34 0.36336
410987.04 3723440.34 0.37535 411007.04
3723440.34 0.38809
411027.04 3723440.34 0.40137 411047.04
3723440.34 0.41542
411067.04 3723440.34 0.43052 411087.04
3723440.34 0.44686
411107.04 3723440.34 0.46445 411127.04
3723440.34 0.48360
411147.04 3723440.34 0.50481 411167.04
3723440.34 0.52856
411187.04 3723440.34 0.55514 411207.04
3723440.34 0.58535
411227.04 3723440.34 0.61980 411247.04
3723440.34 0.65938
411267.04 3723440.34 0.70504 411287.04
3723440.34 0.75771
411307.04 3723440.34 0.81840 411327.04
3723440.34 0.88812
411347.04 3723440.34 0.96760 411367.04
3723440.34 1.05735
411387.04 3723440.34 1.15757 411407.04
3723440.34 1.26791
411427.04 3723440.34 1.38751 411447.04
3723440.34 1.51500

```
         411467.04    3723440.34        1.64831                        411487.04
3723440.34        1.78492
         411507.04    3723440.34        1.92179                        411527.04
3723440.34        2.05592
         411547.04    3723440.34        2.18413                        411567.04
3723440.34        2.30350
         411587.04    3723440.34        2.40963                        411607.04
3723440.34        2.48669
         410707.04    3723460.34        0.23689                        410727.04
3723460.34        0.24382
         410747.04    3723460.34        0.25099                        410767.04
3723460.34        0.25843
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                        ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                        ***        16:48:31

                                   PAGE 415
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2   ***
                                   INCLUDING SOURCE(S):     L0000145    , L0000146
, L0000147    , L0000148    , L0000149    ,
                  L0000150    , L0000151    , L0000152    , L0000153    , L0000154
, L0000155    , L0000156    , L0000157    ,
                  L0000158    , L0000159    , L0000160    , L0000161    , L0000162
, L0000163    , L0000164    , L0000165    ,
                  L0000166    , L0000167    , L0000168    , L0000169    , L0000170
, L0000171    , L0000172    ,  . . .      ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         410787.04    3723460.34        0.26615                        410807.04
3723460.34        0.27413
         410827.04    3723460.34        0.28227                        410847.04
3723460.34        0.29083
         410867.04    3723460.34        0.29960                        410887.04
3723460.34        0.30865
         410907.04    3723460.34        0.31805                        410927.04
3723460.34        0.32795
         410947.04    3723460.34        0.33818                        410967.04
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3723460.34 0.34879
410987.04 3723460.34 0.35988 411007.04
3723460.34 0.37167
411027.04 3723460.34 0.38395 411047.04
3723460.34 0.39695
411067.04 3723460.34 0.41090 411087.04
3723460.34 0.42600
411107.04 3723460.34 0.44230 411127.04
3723460.34 0.46002
411147.04 3723460.34 0.47966 411167.04
3723460.34 0.50162
411187.04 3723460.34 0.52622 411207.04
3723460.34 0.55416
411227.04 3723460.34 0.58589 411247.04
3723460.34 0.62226
411267.04 3723460.34 0.66406 411287.04
3723460.34 0.71211
411307.04 3723460.34 0.76722 411327.04
3723460.34 0.83048
411347.04 3723460.34 0.90233 411367.04
3723460.34 0.98327
411387.04 3723460.34 1.07352 411407.04
3723460.34 1.17287
411427.04 3723460.34 1.28061 411447.04
3723460.34 1.39573
411467.04 3723460.34 1.51653 411487.04
3723460.34 1.64086
411507.04 3723460.34 1.76630 411527.04
3723460.34 1.89023
411547.04 3723460.34 2.00978 411567.04
3723460.34 2.12255
411587.04 3723460.34 2.22512 411607.04
3723460.34 2.30281
410707.04 3723480.34 0.23074 410727.04
3723480.34 0.23726
410747.04 3723480.34 0.24401 410767.04
3723480.34 0.25096
410787.04 3723480.34 0.25819 410807.04
3723480.34 0.26564
410827.04 3723480.34 0.27325 410847.04
3723480.34 0.28125
410867.04 3723480.34 0.28942 410887.04
3723480.34 0.29783
410907.04 3723480.34 0.30656 410927.04
3723480.34 0.31575
410947.04 3723480.34 0.32524 410967.04
3723480.34 0.33506
410987.04 3723480.34 0.34535 411007.04
3723480.34 0.35627
411027.04 3723480.34 0.36765 411047.04

```
3723480.34        0.37969
         411067.04    3723480.34        0.39264                          411087.04
3723480.34        0.40666
         411107.04    3723480.34        0.42179                          411127.04
3723480.34        0.43823
         411147.04    3723480.34        0.45646                          411167.04
3723480.34        0.47683
         411187.04    3723480.34        0.49964                          411207.04
3723480.34        0.52549
         411227.04    3723480.34        0.55479                          411247.04
3723480.34        0.58827
         411267.04    3723480.34        0.62665                          411287.04
3723480.34        0.67061
         411307.04    3723480.34        0.72086                          411327.04
3723480.34        0.77837
         411347.04    3723480.34        0.84352                          411367.04
3723480.34        0.91676
         411387.04    3723480.34        0.99829                          411407.04
3723480.34        1.08802
         411427.04    3723480.34        1.18538                          411447.04
3723480.34        1.28960
↑ *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                         ***       05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***       16:48:31

                                  PAGE 416
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2   ***
                                  INCLUDING SOURCE(S):     L0000145    , L0000146
, L0000147    , L0000148    , L0000149    ,
                 L0000150    , L0000151    , L0000152    , L0000153    , L0000154
, L0000155    , L0000156    , L0000157    ,
                 L0000158    , L0000159    , L0000160    , L0000161    , L0000162
, L0000163    , L0000164    , L0000165    ,
                 L0000166    , L0000167    , L0000168    , L0000169    , L0000170
, L0000171    , L0000172    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

       X-COORD (M)   Y-COORD (M)        CONC                         X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
```

411467.04 3723480.34 1.39928 411487.04
3723480.34 1.51266
411507.04 3723480.34 1.62765 411527.04
3723480.34 1.74212
411547.04 3723480.34 1.85350 411567.04
3723480.34 1.95969
411587.04 3723480.34 2.05799 411607.04
3723480.34 2.13764
410707.04 3723500.34 0.22475 410727.04
3723500.34 0.23091
410747.04 3723500.34 0.23725 410767.04
3723500.34 0.24375
410787.04 3723500.34 0.25053 410807.04
3723500.34 0.25750
410827.04 3723500.34 0.26462 410847.04
3723500.34 0.27208
410867.04 3723500.34 0.27970 410887.04
3723500.34 0.28753
410907.04 3723500.34 0.29565 410927.04
3723500.34 0.30421
410947.04 3723500.34 0.31302 410967.04
3723500.34 0.32214
410987.04 3723500.34 0.33169 411007.04
3723500.34 0.34183
411027.04 3723500.34 0.35241 411047.04
3723500.34 0.36360
411067.04 3723500.34 0.37563 411087.04
3723500.34 0.38868
411107.04 3723500.34 0.40275 411127.04
3723500.34 0.41805
411147.04 3723500.34 0.43501 411167.04
3723500.34 0.45396
411187.04 3723500.34 0.47516 411207.04
3723500.34 0.49913
411227.04 3723500.34 0.52623 411247.04
3723500.34 0.55713
411267.04 3723500.34 0.59244 411287.04
3723500.34 0.63276
411307.04 3723500.34 0.67872 411327.04
3723500.34 0.73114
411347.04 3723500.34 0.79038 411367.04
3723500.34 0.85682
411387.04 3723500.34 0.93072 411407.04
3723500.34 1.01200
411427.04 3723500.34 1.10023 411447.04
3723500.34 1.19480
411467.04 3723500.34 1.29459 411487.04
3723500.34 1.39813
411507.04 3723500.34 1.50370 411527.04
3723500.34 1.60940

```
         411547.04    3723500.34        1.71310                      411567.04
3723500.34        1.81283
         411587.04    3723500.34        1.90643                      411607.04
3723500.34        1.98857
         410707.04    3723520.34        0.21891                      410727.04
3723520.34        0.22471
         410747.04    3723520.34        0.23068                      410767.04
3723520.34        0.23680
         410787.04    3723520.34        0.24316                      410807.04
3723520.34        0.24970
         410827.04    3723520.34        0.25634                      410847.04
3723520.34        0.26333
         410867.04    3723520.34        0.27043                      410887.04
3723520.34        0.27774
         410907.04    3723520.34        0.28530                      410927.04
3723520.34        0.29327
         410947.04    3723520.34        0.30147                      410967.04
3723520.34        0.30996
         410987.04    3723520.34        0.31883                      411007.04
3723520.34        0.32828
         411027.04    3723520.34        0.33813                      411047.04
3723520.34        0.34856
         411067.04    3723520.34        0.35977                      411087.04
3723520.34        0.37193
         411107.04    3723520.34        0.38506                      411127.04
3723520.34        0.39933
         411147.04    3723520.34        0.41515                      411167.04
3723520.34        0.43282
         411187.04    3723520.34        0.45256                      411207.04
3723520.34        0.47484
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                        ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        16:48:31

                                  PAGE 417
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2   ***
                                  INCLUDING SOURCE(S):     L0000145    , L0000146
, L0000147    , L0000148    , L0000149    ,
                  L0000150    , L0000151    , L0000152    , L0000153    , L0000154
, L0000155    , L0000156    , L0000157    ,
                  L0000158    , L0000159    , L0000160    , L0000161    , L0000162
, L0000163    , L0000164    , L0000165    ,
                  L0000166    , L0000167    , L0000168    , L0000169    , L0000170
, L0000171    , L0000172    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
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***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
411227.04	3723520.34	0.49999	411247.04	3723520.34	0.52854
411267.04	3723520.34	0.56108	411287.04	3723520.34	0.59815
411307.04	3723520.34	0.64034	411327.04	3723520.34	0.68822
411347.04	3723520.34	0.74220	411367.04	3723520.34	0.80267
411387.04	3723520.34	0.86983	411407.04	3723520.34	0.94366
411427.04	3723520.34	1.02385	411447.04	3723520.34	1.10988
411467.04	3723520.34	1.20082	411487.04	3723520.34	1.29539
411507.04	3723520.34	1.39217	411527.04	3723520.34	1.49006
411547.04	3723520.34	1.58666	411567.04	3723520.34	1.68017
411587.04	3723520.34	1.76897	411607.04	3723520.34	1.85039
410707.04	3723540.34	0.21322	410727.04	3723540.34	0.21869
410747.04	3723540.34	0.22432	410767.04	3723540.34	0.23010
410787.04	3723540.34	0.23607	410807.04	3723540.34	0.24220
410827.04	3723540.34	0.24843	410847.04	3723540.34	0.25496
410867.04	3723540.34	0.26160	410887.04	3723540.34	0.26841
410907.04	3723540.34	0.27547	410927.04	3723540.34	0.28291
410947.04	3723540.34	0.29054	410967.04	3723540.34	0.29845
410987.04	3723540.34	0.30673	411007.04	3723540.34	0.31555
411027.04	3723540.34	0.32475	411047.04	3723540.34	0.33448
411067.04	3723540.34	0.34496	411087.04	3723540.34	0.35633
411107.04	3723540.34	0.36861	411127.04		

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3723540.34        0.38194
         411147.04    3723540.34        0.39673                        411167.04
3723540.34        0.41324
         411187.04    3723540.34        0.43165                        411207.04
3723540.34        0.45239
         411227.04    3723540.34        0.47573                        411247.04
3723540.34        0.50221
         411267.04    3723540.34        0.53228                        411287.04
3723540.34        0.56643
         411307.04    3723540.34        0.60514                        411327.04
3723540.34        0.64904
         411347.04    3723540.34        0.69840                        411367.04
3723540.34        0.75357
         411387.04    3723540.34        0.81477                        411407.04
3723540.34        0.88199
         411427.04    3723540.34        0.95500                        411447.04
3723540.34        1.03343
         411467.04    3723540.34        1.11653                        411487.04
3723540.34        1.20329
         411507.04    3723540.34        1.29247                        411527.04
3723540.34        1.38276
         411547.04    3723540.34        1.47253                        411567.04
3723540.34        1.56013
         411587.04    3723540.34        1.64413                        411607.04
3723540.34        1.72243
         410707.04    3723560.34        0.20782                        410727.04
3723560.34        0.21296
         410747.04    3723560.34        0.21826                        410767.04
3723560.34        0.22367
         410787.04    3723560.34        0.22926                        410807.04
3723560.34        0.23501
         410827.04    3723560.34        0.24084                        410847.04
3723560.34        0.24696
         410867.04    3723560.34        0.25317                        410887.04
3723560.34        0.25955
         410907.04    3723560.34        0.26614                        410927.04
3723560.34        0.27309
         410947.04    3723560.34        0.28023                        410967.04
3723560.34        0.28760
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                        ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                        ***        16:48:31

                                   PAGE 418
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                   *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2    ***
                                   INCLUDING SOURCE(S):     L0000145    , L0000146
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, L0000147    , L0000148    , L0000149    ,
                L0000150    , L0000151    , L0000152    , L0000153    , L0000154
, L0000155    , L0000156    , L0000157    ,
                L0000158    , L0000159    , L0000160    , L0000161    , L0000162
, L0000163    , L0000164    , L0000165    ,
                L0000166    , L0000167    , L0000168    , L0000169    , L0000170
, L0000171    , L0000172    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                 **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         410987.04    3723560.34        0.29534                       411007.04
3723560.34        0.30359
         411027.04    3723560.34        0.31219                       411047.04
3723560.34        0.32130
         411067.04    3723560.34        0.33111                       411087.04
3723560.34        0.34176
         411107.04    3723560.34        0.35326                       411127.04
3723560.34        0.36576
         411147.04    3723560.34        0.37961                       411167.04
3723560.34        0.39506
         411187.04    3723560.34        0.41226                       411207.04
3723560.34        0.43161
         411227.04    3723560.34        0.45334                       411247.04
3723560.34        0.47792
         411267.04    3723560.34        0.50577                       411287.04
3723560.34        0.53728
         411307.04    3723560.34        0.57290                       411327.04
3723560.34        0.61322
         411347.04    3723560.34        0.65848                       411367.04
3723560.34        0.70895
         411387.04    3723560.34        0.76484                       411407.04
3723560.34        0.82621
         411427.04    3723560.34        0.89282                       411447.04
3723560.34        0.96448
         411467.04    3723560.34        1.04053                       411487.04
3723560.34        1.12018
         411507.04    3723560.34        1.20233                       411527.04
3723560.34        1.28583
         411547.04    3723560.34        1.36928                       411567.04
3723560.34        1.45131
         411587.04    3723560.34        1.53060                       411607.04
3723560.34        1.60546
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```
         410707.04    3723580.34        0.20255                    410727.04
3723580.34        0.20741
         410747.04    3723580.34        0.21241                    410767.04
3723580.34        0.21747
         410787.04    3723580.34        0.22270                    410807.04
3723580.34        0.22808
         410827.04    3723580.34        0.23356                    410847.04
3723580.34        0.23924
         410867.04    3723580.34        0.24506                    410887.04
3723580.34        0.25107
         410907.04    3723580.34        0.25726                    410927.04
3723580.34        0.26370
         410947.04    3723580.34        0.27038                    410967.04
3723580.34        0.27731
         410987.04    3723580.34        0.28458                    411007.04
3723580.34        0.29224
         411027.04    3723580.34        0.30032                    411047.04
3723580.34        0.30891
         411067.04    3723580.34        0.31810                    411087.04
3723580.34        0.32805
         411107.04    3723580.34        0.33884                    411127.04
3723580.34        0.35064
         411147.04    3723580.34        0.36364                    411167.04
3723580.34        0.37814
         411187.04    3723580.34        0.39425                    411207.04
3723580.34        0.41234
         411227.04    3723580.34        0.43260                    411247.04
3723580.34        0.45546
         411267.04    3723580.34        0.48130                    411287.04
3723580.34        0.51044
         411307.04    3723580.34        0.54329                    411327.04
3723580.34        0.58040
         411347.04    3723580.34        0.62197                    411367.04
3723580.34        0.66824
         411387.04    3723580.34        0.71942                    411407.04
3723580.34        0.77557
         411427.04    3723580.34        0.83650                    411447.04
3723580.34        0.90211
         411467.04    3723580.34        0.97185                    411487.04
3723580.34        1.04506
         411507.04    3723580.34        1.12078                    411527.04
3723580.34        1.19806
         411547.04    3723580.34        1.27570                    411567.04
3723580.34        1.35248
         411587.04    3723580.34        1.42721                    411607.04
3723580.34        1.49847
         410707.04    3723600.34        0.19743                    410727.04
3723600.34        0.20201
```

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SRCGP2 ***
INCLUDING SOURCE(S): L0000145 , L0000146 , L0000147 , L0000148 , L0000149 , L0000150 , L0000151 , L0000152 , L0000153 , L0000154 , L0000155 , L0000156 , L0000157 , L0000158 , L0000159 , L0000160 , L0000161 , L0000162 , L0000163 , L0000164 , L0000165 , L0000166 , L0000167 , L0000168 , L0000169 , L0000170 , L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
410747.04	3723600.34	0.20670	410767.04	3723600.34	0.21150
410787.04	3723600.34	0.21645	410807.04	3723600.34	0.22153
410827.04	3723600.34	0.22669	410847.04	3723600.34	0.23199
410867.04	3723600.34	0.23747	410887.04	3723600.34	0.24309
410907.04	3723600.34	0.24891	410927.04	3723600.34	0.25494
410947.04	3723600.34	0.26119	410967.04	3723600.34	0.26771
410987.04	3723600.34	0.27454	411007.04	3723600.34	0.28171
411027.04	3723600.34	0.28931	411047.04	3723600.34	0.29739
411067.04	3723600.34	0.30597	411087.04	3723600.34	0.31536
411107.04	3723600.34	0.32552	411127.04	3723600.34	0.33662
411147.04	3723600.34	0.34883	411167.04	3723600.34	0.36239
411187.04	3723600.34	0.37751	411207.04		

3723600.34 0.39440
411227.04 3723600.34 0.41332 411247.04
3723600.34 0.43460
411267.04 3723600.34 0.45861 411287.04
3723600.34 0.48563
411307.04 3723600.34 0.51603 411327.04
3723600.34 0.55024
411347.04 3723600.34 0.58848 411367.04
3723600.34 0.63099
411387.04 3723600.34 0.67797 411407.04
3723600.34 0.72946
411427.04 3723600.34 0.78535 411447.04
3723600.34 0.84554
411467.04 3723600.34 0.90959 411487.04
3723600.34 0.97697
411507.04 3723600.34 1.04687 411527.04
3723600.34 1.11845
411547.04 3723600.34 1.19071 411567.04
3723600.34 1.26255
411587.04 3723600.34 1.33291 411607.04
3723600.34 1.40055
410707.04 3723620.34 0.19245 410727.04
3723620.34 0.19678
410747.04 3723620.34 0.20121 410767.04
3723620.34 0.20575
410787.04 3723620.34 0.21043 410807.04
3723620.34 0.21523
410827.04 3723620.34 0.22009 410847.04
3723620.34 0.22508
410867.04 3723620.34 0.23022 410887.04
3723620.34 0.23551
410907.04 3723620.34 0.24099 410927.04
3723620.34 0.24663
410947.04 3723620.34 0.25250 410967.04
3723620.34 0.25863
410987.04 3723620.34 0.26505 411007.04
3723620.34 0.27181
411027.04 3723620.34 0.27895 411047.04
3723620.34 0.28656
411067.04 3723620.34 0.29460 411087.04
3723620.34 0.30347
411107.04 3723620.34 0.31306 411127.04
3723620.34 0.32352
411147.04 3723620.34 0.33502 411167.04
3723620.34 0.34773
411187.04 3723620.34 0.36188 411207.04
3723620.34 0.37765
411227.04 3723620.34 0.39534 411247.04
3723620.34 0.41520
411267.04 3723620.34 0.43753 411287.04

```
3723620.34        0.46263
         411307.04    3723620.34        0.49083                            411327.04
3723620.34        0.52241
         411347.04    3723620.34        0.55767                            411367.04
3723620.34        0.59680
         411387.04    3723620.34        0.63999                            411407.04
3723620.34        0.68731
↑ *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                         ***       05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***       16:48:31

                                  PAGE 420
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2   ***
                                  INCLUDING SOURCE(S):     L0000145    , L0000146
, L0000147    , L0000148    , L0000149    ,
                 L0000150    , L0000151    , L0000152    , L0000153    , L0000154
, L0000155    , L0000156    , L0000157    ,
                 L0000158    , L0000159    , L0000160    , L0000161    , L0000162
, L0000163    , L0000164    , L0000165    ,
                 L0000166    , L0000167    , L0000168    , L0000169    , L0000170
, L0000171    , L0000172    ,  . . .      ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                         ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

       X-COORD (M)   Y-COORD (M)        CONC                          X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
         411427.04    3723620.34        0.73873                            411447.04
3723620.34        0.79406
         411467.04    3723620.34        0.85299                            411487.04
3723620.34        0.91507
         411507.04    3723620.34        0.97968                            411527.04
3723620.34        1.04607
         411547.04    3723620.34        1.11335                            411567.04
3723620.34        1.18056
         411587.04    3723620.34        1.24676                            411607.04
3723620.34        1.31087
         410707.04    3723640.34        0.18773                            410727.04
3723640.34        0.19180
         410747.04    3723640.34        0.19598                            410767.04
3723640.34        0.20023
```

410787.04 3723640.34 0.20465 410807.04
3723640.34 0.20917
410827.04 3723640.34 0.21375 410847.04
3723640.34 0.21846
410867.04 3723640.34 0.22331 410887.04
3723640.34 0.22829
410907.04 3723640.34 0.23343 410927.04
3723640.34 0.23873
410947.04 3723640.34 0.24424 410967.04
3723640.34 0.25001
410987.04 3723640.34 0.25607 411007.04
3723640.34 0.26243
411027.04 3723640.34 0.26917 411047.04
3723640.34 0.27634
411067.04 3723640.34 0.28395 411087.04
3723640.34 0.29231
411107.04 3723640.34 0.30134 411127.04
3723640.34 0.31120
411147.04 3723640.34 0.32203 411167.04
3723640.34 0.33399
411187.04 3723640.34 0.34728 411207.04
3723640.34 0.36207
411227.04 3723640.34 0.37866 411247.04
3723640.34 0.39723
411267.04 3723640.34 0.41805 411287.04
3723640.34 0.44141
411307.04 3723640.34 0.46757 411327.04
3723640.34 0.49682
411347.04 3723640.34 0.52939 411367.04
3723640.34 0.56551
411387.04 3723640.34 0.60530 411407.04
3723640.34 0.64889
411427.04 3723640.34 0.69623 411447.04
3723640.34 0.74715
411467.04 3723640.34 0.80149 411487.04
3723640.34 0.85881
411507.04 3723640.34 0.91857 411527.04
3723640.34 0.98015
411547.04 3723640.34 1.04279 411567.04
3723640.34 1.10570
411587.04 3723640.34 1.16794 411607.04
3723640.34 1.22865
410707.04 3723660.34 0.18311 410727.04
3723660.34 0.18698
410747.04 3723660.34 0.19093 410767.04
3723660.34 0.19492
410787.04 3723660.34 0.19909 410807.04
3723660.34 0.20333
410827.04 3723660.34 0.20762 410847.04
3723660.34 0.21206

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2   ***
                                   INCLUDING SOURCE(S):   L0000145   , L0000146
, L0000147   , L0000148   , L0000149   ,
                  L0000150   , L0000151   , L0000152   , L0000153   , L0000154
, L0000155   , L0000156   , L0000157   ,
                  L0000158   , L0000159   , L0000160   , L0000161   , L0000162
, L0000163   , L0000164   , L0000165   ,
                  L0000166   , L0000167   , L0000168   , L0000169   , L0000170
, L0000171   , L0000172   , . . .   ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         411187.04   3723660.34   0.33355   411207.04
3723660.34   0.34746
         411227.04   3723660.34   0.36305   411247.04
3723660.34   0.38046
         411267.04   3723660.34   0.39995   411287.04

3723660.34 0.42174
411307.04 3723660.34 0.44605 411327.04
3723660.34 0.47317
411347.04 3723660.34 0.50333 411367.04
3723660.34 0.53669
411387.04 3723660.34 0.57346 411407.04
3723660.34 0.61365
411427.04 3723660.34 0.65730 411447.04
3723660.34 0.70425
411467.04 3723660.34 0.75443 411487.04
3723660.34 0.80742
411507.04 3723660.34 0.86277 411527.04
3723660.34 0.91995
411547.04 3723660.34 0.97833 411567.04
3723660.34 1.03721
411587.04 3723660.34 1.09574 411607.04
3723660.34 1.15315
410907.04 3723680.34 0.21932 410927.04
3723680.34 0.22403
410947.04 3723680.34 0.22891 410967.04
3723680.34 0.23404
410987.04 3723680.34 0.23944 411007.04
3723680.34 0.24512
411027.04 3723680.34 0.25115 411047.04
3723680.34 0.25758
411067.04 3723680.34 0.26445 411087.04
3723680.34 0.27187
411107.04 3723680.34 0.27994 411127.04
3723680.34 0.28873
411147.04 3723680.34 0.29842 411167.04
3723680.34 0.30909
411187.04 3723680.34 0.32083 411207.04
3723680.34 0.33386
411227.04 3723680.34 0.34850 411247.04
3723680.34 0.36482
411267.04 3723680.34 0.38305 411287.04
3723680.34 0.40338
411307.04 3723680.34 0.42602 411327.04
3723680.34 0.45122
411347.04 3723680.34 0.47918 411367.04
3723680.34 0.51010
411387.04 3723680.34 0.54408 411407.04
3723680.34 0.58124
411427.04 3723680.34 0.62156 411447.04
3723680.34 0.66497
411467.04 3723680.34 0.71136 411487.04
3723680.34 0.76040
411507.04 3723680.34 0.81173 411527.04
3723680.34 0.86491
411547.04 3723680.34 0.91933 411567.04

3723680.34   0.97445
         411587.04   3723680.34   1.02947   411607.04
3723680.34   1.08369
         410907.04   3723700.34   0.21276   410927.04
3723700.34   0.21721
         410947.04   3723700.34   0.22185   410967.04
3723700.34   0.22669
         410987.04   3723700.34   0.23180   411007.04
3723700.34   0.23719
         411027.04   3723700.34   0.24290   411047.04
3723700.34   0.24898
         411067.04   3723700.34   0.25554   411087.04
3723700.34   0.26258
         411107.04   3723700.34   0.27023   411127.04
3723700.34   0.27853
         411147.04   3723700.34   0.28769   411167.04
3723700.34   0.29778
         411187.04   3723700.34   0.30885   411207.04
3723700.34   0.32111
         411227.04   3723700.34   0.33489   411247.04
3723700.34   0.35020
         411267.04   3723700.34   0.36727   411287.04
3723700.34   0.38627
         411307.04   3723700.34   0.40736   411327.04
3723700.34   0.43081

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                            *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2   ***
                            INCLUDING SOURCE(S):   L0000145   , L0000146
, L0000147   , L0000148   , L0000149   ,
                 L0000150   , L0000151   , L0000152   , L0000153   , L0000154
, L0000155   , L0000156   , L0000157   ,
                 L0000158   , L0000159   , L0000160   , L0000161   , L0000162
, L0000163   , L0000164   , L0000165   ,
                 L0000166   , L0000167   , L0000168   , L0000169   , L0000170
, L0000171   , L0000172   , . . .   ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                            ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
411347.04	3723700.34	0.45680	411367.04	3723700.34	0.48546
411387.04	3723700.34	0.51697	411407.04	3723700.34	0.55136
411427.04	3723700.34	0.58868	411447.04	3723700.34	0.62884
411467.04	3723700.34	0.67182	411487.04	3723700.34	0.71730
411507.04	3723700.34	0.76497	411527.04	3723700.34	0.81445
411547.04	3723700.34	0.86525	411567.04	3723700.34	0.91685
411587.04	3723700.34	0.96858	411607.04	3723700.34	1.01980
410907.04	3723720.34	0.20651	410927.04	3723720.34	0.21072
410947.04	3723720.34	0.21512	410967.04	3723720.34	0.21970
410987.04	3723720.34	0.22452	411007.04	3723720.34	0.22963
411027.04	3723720.34	0.23506	411047.04	3723720.34	0.24082
411067.04	3723720.34	0.24710	411087.04	3723720.34	0.25379
411107.04	3723720.34	0.26103	411127.04	3723720.34	0.26890
411147.04	3723720.34	0.27759	411167.04	3723720.34	0.28714
411187.04	3723720.34	0.29759	411207.04	3723720.34	0.30916
411227.04	3723720.34	0.32214	411247.04	3723720.34	0.33651
411267.04	3723720.34	0.35250	411287.04	3723720.34	0.37025
411307.04	3723720.34	0.38997	411327.04	3723720.34	0.41183
411347.04	3723720.34	0.43599	411367.04	3723720.34	0.46264
411387.04	3723720.34	0.49187	411407.04	3723720.34	0.52378
411427.04	3723720.34	0.55838	411447.04	3723720.34	0.59561
411467.04	3723720.34	0.63547	411487.04	3723720.34	0.67771
411507.04	3723720.34	0.72203	411527.04	3723720.34	0.76812

```
         411547.04    3723720.34        0.81557                        411567.04
3723720.34        0.86389
         411587.04    3723720.34        0.91253                        411607.04
3723720.34        0.96091
         410907.04    3723740.34        0.20056                        410927.04
3723740.34        0.20456
         410947.04    3723740.34        0.20873                        410967.04
3723740.34        0.21311
         410987.04    3723740.34        0.21768                        411007.04
3723740.34        0.22252
         411027.04    3723740.34        0.22768                        411047.04
3723740.34        0.23315
         411067.04    3723740.34        0.23908                        411087.04
3723740.34        0.24547
         411107.04    3723740.34        0.25235                        411127.04
3723740.34        0.25983
         411147.04    3723740.34        0.26806                        411167.04
3723740.34        0.27712
         411187.04    3723740.34        0.28701                        411207.04
3723740.34        0.29793
         411227.04    3723740.34        0.31017                        411247.04
3723740.34        0.32368
         411267.04    3723740.34        0.33867                        411287.04
3723740.34        0.35529
         411307.04    3723740.34        0.37371                        411327.04
3723740.34        0.39411
         411347.04    3723740.34        0.41665                        411367.04
3723740.34        0.44144
         411387.04    3723740.34        0.46861                        411407.04
3723740.34        0.49826
         411427.04    3723740.34        0.53041                        411447.04
3723740.34        0.56502
         411467.04    3723740.34        0.60203                        411487.04
3723740.34        0.64127
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                        ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        16:48:31

                                  PAGE 423
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2   ***
                                  INCLUDING SOURCE(S):     L0000145    , L0000146
, L0000147    , L0000148    , L0000149    ,
                  L0000150    , L0000151    , L0000152    , L0000153    , L0000154
, L0000155    , L0000156    , L0000157    ,
                  L0000158    , L0000159    , L0000160    , L0000161    , L0000162
, L0000163    , L0000164    , L0000165    ,
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L0000166 , L0000167 , L0000168 , L0000169 , L0000170
, L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
411507.04	3723740.34	0.68253	411527.04	3723740.34	0.72551
411547.04	3723740.34	0.76985	411567.04	3723740.34	0.81514
411587.04	3723740.34	0.86088	411607.04	3723740.34	0.90656
410907.04	3723760.34	0.19487	410927.04	3723760.34	0.19866
410947.04	3723760.34	0.20262	410967.04	3723760.34	0.20679
410987.04	3723760.34	0.21116	411007.04	3723760.34	0.21575
411027.04	3723760.34	0.22066	411047.04	3723760.34	0.22588
411067.04	3723760.34	0.23153	411087.04	3723760.34	0.23761
411107.04	3723760.34	0.24416	411127.04	3723760.34	0.25126
411147.04	3723760.34	0.25907	411167.04	3723760.34	0.26767
411187.04	3723760.34	0.27705	411207.04	3723760.34	0.28736
411227.04	3723760.34	0.29890	411247.04	3723760.34	0.31164
411267.04	3723760.34	0.32572	411287.04	3723760.34	0.34132
411307.04	3723760.34	0.35858	411327.04	3723760.34	0.37765
411347.04	3723760.34	0.39871	411367.04	3723760.34	0.42181
411387.04	3723760.34	0.44712	411407.04	3723760.34	0.47468
411427.04	3723760.34	0.50458	411447.04	3723760.34	0.53677
411467.04	3723760.34	0.57117	411487.04	3723760.34	0.60769
411507.04	3723760.34	0.64613	411527.04		

```
3723760.34        0.68624
         411547.04    3723760.34        0.72771                        411567.04
3723760.34        0.77017
         411587.04    3723760.34        0.81320                        411607.04
3723760.34        0.85633
         410907.04    3723780.34        0.18946                        410927.04
3723780.34        0.19305
         410947.04    3723780.34        0.19683                        410967.04
3723780.34        0.20080
         410987.04    3723780.34        0.20495                        411007.04
3723780.34        0.20936
         411027.04    3723780.34        0.21403                        411047.04
3723780.34        0.21899
         411067.04    3723780.34        0.22439                        411087.04
3723780.34        0.23017
         411107.04    3723780.34        0.23640                        411127.04
3723780.34        0.24313
         411147.04    3723780.34        0.25059                        411167.04
3723780.34        0.25875
         411187.04    3723780.34        0.26765                        411207.04
3723780.34        0.27740
         411227.04    3723780.34        0.28831                        411247.04
3723780.34        0.30031
         411267.04    3723780.34        0.31354                        411287.04
3723780.34        0.32819
         411307.04    3723780.34        0.34438                        411327.04
3723780.34        0.36223
         411347.04    3723780.34        0.38191                        411367.04
3723780.34        0.40350
         411387.04    3723780.34        0.42710                        411407.04
3723780.34        0.45276
         411427.04    3723780.34        0.48061                        411447.04
3723780.34        0.51058
         411467.04    3723780.34        0.54262                        411487.04
3723780.34        0.57666
         411507.04    3723780.34        0.61252                        411527.04
3723780.34        0.64999
         411547.04    3723780.34        0.68881                        411567.04
3723780.34        0.72865
         411587.04    3723780.34        0.76914                        411607.04
3723780.34        0.80983
         410907.04    3723800.34        0.18425                        410927.04
3723800.34        0.18768
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                        ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        16:48:31

                                  PAGE 424
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
```

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SRCGP2 ***

INCLUDING SOURCE(S): L0000145 , L0000146 , L0000147 , L0000148 , L0000149 , L0000150 , L0000151 , L0000152 , L0000153 , L0000154 , L0000155 , L0000156 , L0000157 , L0000158 , L0000159 , L0000160 , L0000161 , L0000162 , L0000163 , L0000164 , L0000165 , L0000166 , L0000167 , L0000168 , L0000169 , L0000170 , L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
410947.04	3723800.34	0.19131	410967.04	3723800.34	0.19509
410987.04	3723800.34	0.19904	411007.04	3723800.34	0.20324
411027.04	3723800.34	0.20771	411047.04	3723800.34	0.21247
411067.04	3723800.34	0.21759	411087.04	3723800.34	0.22310
411107.04	3723800.34	0.22904	411127.04	3723800.34	0.23546
411147.04	3723800.34	0.24256	411167.04	3723800.34	0.25031
411187.04	3723800.34	0.25877	411207.04	3723800.34	0.26800
411227.04	3723800.34	0.27831	411247.04	3723800.34	0.28963
411267.04	3723800.34	0.30208	411287.04	3723800.34	0.31585
411307.04	3723800.34	0.33104	411327.04	3723800.34	0.34778
411347.04	3723800.34	0.36621	411367.04	3723800.34	0.38638
411387.04	3723800.34	0.40843	411407.04	3723800.34	0.43237
411427.04	3723800.34	0.45834	411447.04	3723800.34	0.48629
411467.04	3723800.34	0.51617	411487.04	3723800.34	0.54793

411507.04 3723800.34 0.58142 411527.04
3723800.34 0.61648
411547.04 3723800.34 0.65284 411567.04
3723800.34 0.69024
411587.04 3723800.34 0.72835 411607.04
3723800.34 0.76679
410907.04 3723820.34 0.17929 410927.04
3723820.34 0.18258
410947.04 3723820.34 0.18602 410967.04
3723820.34 0.18962
410987.04 3723820.34 0.19341 411007.04
3723820.34 0.19743
411027.04 3723820.34 0.20169 411047.04
3723820.34 0.20624
411067.04 3723820.34 0.21111 411087.04
3723820.34 0.21637
411107.04 3723820.34 0.22204 411127.04
3723820.34 0.22821
411147.04 3723820.34 0.23493 411167.04
3723820.34 0.24227
411187.04 3723820.34 0.25031 411207.04
3723820.34 0.25914
411227.04 3723820.34 0.26884 411247.04
3723820.34 0.27952
411267.04 3723820.34 0.29128 411287.04
3723820.34 0.30425
411307.04 3723820.34 0.31853 411327.04
3723820.34 0.33423
411347.04 3723820.34 0.35148 411367.04
3723820.34 0.37036
411387.04 3723820.34 0.39097 411407.04
3723820.34 0.41338
411427.04 3723820.34 0.43762 411447.04
3723820.34 0.46371
411467.04 3723820.34 0.49163 411487.04
3723820.34 0.52130
411507.04 3723820.34 0.55262 411527.04
3723820.34 0.58543
411547.04 3723820.34 0.61953 411567.04
3723820.34 0.65467
411587.04 3723820.34 0.69056 411607.04
3723820.34 0.72688
410907.04 3723840.34 0.17458 410927.04
3723840.34 0.17771
410947.04 3723840.34 0.18099 410967.04
3723840.34 0.18445
410987.04 3723840.34 0.18807 411007.04
3723840.34 0.19191
411027.04 3723840.34 0.19598 411047.04
3723840.34 0.20035

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SRCGP2 ***
INCLUDING SOURCE(S): L0000145 , L0000146 , L0000147 , L0000148 , L0000149 ,
L0000150 , L0000151 , L0000152 , L0000153 , L0000154 , L0000155 , L0000156 , L0000157 ,
L0000158 , L0000159 , L0000160 , L0000161 , L0000162 , L0000163 , L0000164 , L0000165 ,
L0000166 , L0000167 , L0000168 , L0000169 , L0000170 , L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
411107.04	3723840.34	0.21543	411127.04	3723840.34	0.22136
411147.04	3723840.34	0.22777	411167.04	3723840.34	0.23475
411187.04	3723840.34	0.24239	411207.04	3723840.34	0.25076
411227.04	3723840.34	0.25994	411247.04	3723840.34	0.27005
411267.04	3723840.34	0.28116	411287.04	3723840.34	0.29338
411307.04	3723840.34	0.30682	411327.04	3723840.34	0.32158
411347.04	3723840.34	0.33775	411367.04	3723840.34	0.35545
411387.04	3723840.34	0.37475	411407.04	3723840.34	0.39569
411427.04	3723840.34	0.41834	411447.04	3723840.34	0.44275
411467.04	3723840.34	0.46884	411487.04		

3723840.34 0.49659
411507.04 3723840.34 0.52591 411527.04 3723840.34 0.55665
411547.04 3723840.34 0.58865 411567.04 3723840.34 0.62167
411587.04 3723840.34 0.65549 411607.04 3723840.34 0.68979
410907.04 3723860.34 0.17007 410927.04 3723860.34 0.17306
410947.04 3723860.34 0.17618 410967.04 3723860.34 0.17950
410987.04 3723860.34 0.18298 411007.04 3723860.34 0.18665
411027.04 3723860.34 0.19054 411047.04 3723860.34 0.19471
411067.04 3723860.34 0.19919 411087.04 3723860.34 0.20401
411107.04 3723860.34 0.20921 411127.04 3723860.34 0.21486
411147.04 3723860.34 0.22096 411167.04 3723860.34 0.22762
411187.04 3723860.34 0.23488 411207.04 3723860.34 0.24282
411227.04 3723860.34 0.25153 411247.04 3723860.34 0.26110
411267.04 3723860.34 0.27159 411287.04 3723860.34 0.28311
411307.04 3723860.34 0.29578 411327.04 3723860.34 0.30965
411347.04 3723860.34 0.32485 411367.04 3723860.34 0.34146
411387.04 3723860.34 0.35955 411407.04 3723860.34 0.37917
411427.04 3723860.34 0.40037 411447.04 3723860.34 0.42322
411467.04 3723860.34 0.44765 411487.04 3723860.34 0.47361
411507.04 3723860.34 0.50108 411527.04 3723860.34 0.52993
411547.04 3723860.34 0.55998 411567.04 3723860.34 0.59103
411587.04 3723860.34 0.62290 411607.04 3723860.34 0.65532
410907.04 3723880.34 0.16570 410927.04 3723880.34 0.16859
410947.04 3723880.34 0.17159 410967.04 3723880.34 0.17474
410987.04 3723880.34 0.17806 411007.04 3723880.34 0.18159
411027.04 3723880.34 0.18533 411047.04

3723880.34   0.18932
         411067.04   3723880.34   0.19364   411087.04
3723880.34   0.19828
         411107.04   3723880.34   0.20324   411127.04
3723880.34   0.20862
         411147.04   3723880.34   0.21445   411167.04
3723880.34   0.22080
         411187.04   3723880.34   0.22770   411207.04
3723880.34   0.23526
         411227.04   3723880.34   0.24353   411247.04
3723880.34   0.25258

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2   ***
                                    INCLUDING SOURCE(S):   L0000145   , L0000146
, L0000147   , L0000148   , L0000149   ,
                  L0000150   , L0000151   , L0000152   , L0000153   , L0000154
, L0000155   , L0000156   , L0000157   ,
                  L0000158   , L0000159   , L0000160   , L0000161   , L0000162
, L0000163   , L0000164   , L0000165   ,
                  L0000166   , L0000167   , L0000168   , L0000169   , L0000170
, L0000171   , L0000172   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                    ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         411267.04   3723880.34   0.26251   411287.04
3723880.34   0.27340
         411307.04   3723880.34   0.28533   411327.04
3723880.34   0.29839
         411347.04   3723880.34   0.31268   411367.04
3723880.34   0.32828
         411387.04   3723880.34   0.34526   411407.04
3723880.34   0.36365
         411427.04   3723880.34   0.38357   411447.04
3723880.34   0.40500

411467.04 3723880.34 0.42789 411487.04
3723880.34 0.45222
411507.04 3723880.34 0.47798 411527.04
3723880.34 0.50506
411547.04 3723880.34 0.53330 411567.04
3723880.34 0.56253
411587.04 3723880.34 0.59258 411607.04
3723880.34 0.62323
410907.04 3723900.34 0.16161 410927.04
3723900.34 0.16441
410947.04 3723900.34 0.16728 410967.04
3723900.34 0.17028
410987.04 3723900.34 0.17348 411007.04
3723900.34 0.17690
411027.04 3723900.34 0.18047 411047.04
3723900.34 0.18424
411067.04 3723900.34 0.18839 411087.04
3723900.34 0.19282
411107.04 3723900.34 0.19757 411127.04
3723900.34 0.20274
411147.04 3723900.34 0.20833 411167.04
3723900.34 0.21438
411187.04 3723900.34 0.22094 411207.04
3723900.34 0.22815
411227.04 3723900.34 0.23599 411247.04
3723900.34 0.24457
411267.04 3723900.34 0.25399 411287.04
3723900.34 0.26428
411307.04 3723900.34 0.27551 411327.04
3723900.34 0.28783
411347.04 3723900.34 0.30127 411367.04
3723900.34 0.31596
411387.04 3723900.34 0.33192 411407.04
3723900.34 0.34915
411427.04 3723900.34 0.36785 411447.04
3723900.34 0.38796
411467.04 3723900.34 0.40944 411487.04
3723900.34 0.43227
411507.04 3723900.34 0.45644 411527.04
3723900.34 0.48188
411547.04 3723900.34 0.50845 411567.04
3723900.34 0.53600
411587.04 3723900.34 0.56435 411607.04
3723900.34 0.59332
410907.04 3723920.34 0.15768 410927.04
3723920.34 0.16036
410947.04 3723920.34 0.16311 410967.04
3723920.34 0.16599
410987.04 3723920.34 0.16907 411007.04
3723920.34 0.17234

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         411027.04    3723920.34        0.17577                      411047.04
3723920.34        0.17940
         411067.04    3723920.34        0.18337                      411087.04
3723920.34        0.18761
         411107.04    3723920.34        0.19216                      411127.04
3723920.34        0.19713
         411147.04    3723920.34        0.20246                      411167.04
3723920.34        0.20823
         411187.04    3723920.34        0.21451                      411207.04
3723920.34        0.22134
         411227.04    3723920.34        0.22880                      411247.04
3723920.34        0.23695
         411267.04    3723920.34        0.24586                      411287.04
3723920.34        0.25559
         411307.04    3723920.34        0.26623                      411327.04
3723920.34        0.27785
         411347.04    3723920.34        0.29054                      411367.04
3723920.34        0.30436
         411387.04    3723920.34        0.31937                      411407.04
3723920.34        0.33556
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                        ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        16:48:31

                                  PAGE 427
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2   ***
                                  INCLUDING SOURCE(S):     L0000145    , L0000146
, L0000147    , L0000148    , L0000149    ,
                  L0000150    , L0000151    , L0000152    , L0000153    , L0000154
, L0000155    , L0000156    , L0000157    ,
                  L0000158    , L0000159    , L0000160    , L0000161    , L0000162
, L0000163    , L0000164    , L0000165    ,
                  L0000166    , L0000167    , L0000168    , L0000169    , L0000170
, L0000171    , L0000172    ,  . . .      ,

                                     *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                      X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
         411427.04    3723920.34        0.35314                      411447.04
```

3723920.34 0.37203
411467.04 3723920.34 0.39220 411487.04
3723920.34 0.41363
411507.04 3723920.34 0.43635 411527.04
3723920.34 0.46027
411547.04 3723920.34 0.48529 411567.04
3723920.34 0.51126
411587.04 3723920.34 0.53802 411607.04
3723920.34 0.56542
410907.04 3723940.34 0.15390 410927.04
3723940.34 0.15647
410947.04 3723940.34 0.15912 410967.04
3723940.34 0.16189
410987.04 3723940.34 0.16485 411007.04
3723940.34 0.16800
411027.04 3723940.34 0.17128 411047.04
3723940.34 0.17477
411067.04 3723940.34 0.17858 411087.04
3723940.34 0.18266
411107.04 3723940.34 0.18701 411127.04
3723940.34 0.19176
411147.04 3723940.34 0.19687 411167.04
3723940.34 0.20239
411187.04 3723940.34 0.20839 411207.04
3723940.34 0.21490
411227.04 3723940.34 0.22199 411247.04
3723940.34 0.22972
411267.04 3723940.34 0.23816 411287.04
3723940.34 0.24738
411307.04 3723940.34 0.25746 411327.04
3723940.34 0.26846
411347.04 3723940.34 0.28042 411367.04
3723940.34 0.29346
411387.04 3723940.34 0.30759 411407.04
3723940.34 0.32281
411427.04 3723940.34 0.33933 411447.04
3723940.34 0.35709
411467.04 3723940.34 0.37605 411487.04
3723940.34 0.39622
411507.04 3723940.34 0.41760 411527.04
3723940.34 0.44011
411547.04 3723940.34 0.46367 411567.04
3723940.34 0.48816
411587.04 3723940.34 0.51344 411607.04
3723940.34 0.53937
410907.04 3723960.34 0.15028 410927.04
3723960.34 0.15276
410947.04 3723960.34 0.15530 410967.04
3723960.34 0.15796
410987.04 3723960.34 0.16080 411007.04

3723960.34   0.16384
         411027.04   3723960.34   0.16700   411047.04
3723960.34   0.17034
         411067.04   3723960.34   0.17401   411087.04
3723960.34   0.17792
         411107.04   3723960.34   0.18209   411127.04
3723960.34   0.18665
         411147.04   3723960.34   0.19153   411167.04
3723960.34   0.19681
         411187.04   3723960.34   0.20252   411207.04
3723960.34   0.20873
         411227.04   3723960.34   0.21547   411247.04
3723960.34   0.22281
         411267.04   3723960.34   0.23081   411287.04
3723960.34   0.23958
         411307.04   3723960.34   0.24914   411327.04
3723960.34   0.25954
         411347.04   3723960.34   0.27084   411367.04
3723960.34   0.28314
         411387.04   3723960.34   0.29647   411407.04
3723960.34   0.31080
         411427.04   3723960.34   0.32635   411447.04
3723960.34   0.34306
         411467.04   3723960.34   0.36092   411487.04
3723960.34   0.37992
         411507.04   3723960.34   0.40006   411527.04
3723960.34   0.42127
         411547.04   3723960.34   0.44347   411567.04
3723960.34   0.46657

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2   ***
                                    INCLUDING SOURCE(S):   L0000145   , L0000146
, L0000147   , L0000148   , L0000149   ,
                  L0000150   , L0000151   , L0000152   , L0000153   , L0000154
, L0000155   , L0000156   , L0000157   ,
                  L0000158   , L0000159   , L0000160   , L0000161   , L0000162
, L0000163   , L0000164   , L0000165   ,
                  L0000166   , L0000167   , L0000168   , L0000169   , L0000170
, L0000171   , L0000172   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
411587.04	3723960.34	0.49046	411607.04	3723960.34	0.51501
412145.57	3727370.39	0.04113	412165.57	3727370.39	0.04164
412185.57	3727370.39	0.04210	412205.57	3727370.39	0.04260
412225.57	3727370.39	0.04313	412245.57	3727370.39	0.04367
412265.57	3727370.39	0.04418	412285.57	3727370.39	0.04472
412305.57	3727370.39	0.04527	412325.57	3727370.39	0.04584
412345.57	3727370.39	0.04642	412365.57	3727370.39	0.04702
412145.57	3727390.39	0.04081	412165.57	3727390.39	0.04130
412185.57	3727390.39	0.04176	412205.57	3727390.39	0.04226
412225.57	3727390.39	0.04278	412245.57	3727390.39	0.04330
412265.57	3727390.39	0.04381	412285.57	3727390.39	0.04434
412305.57	3727390.39	0.04489	412325.57	3727390.39	0.04545
412345.57	3727390.39	0.04603	412365.57	3727390.39	0.04660
412145.57	3727410.39	0.04048	412165.57	3727410.39	0.04095
412185.57	3727410.39	0.04143	412205.57	3727410.39	0.04192
412225.57	3727410.39	0.04242	412245.57	3727410.39	0.04293
412265.57	3727410.39	0.04345	412285.57	3727410.39	0.04397
412305.57	3727410.39	0.04451	412325.57	3727410.39	0.04506
412345.57	3727410.39	0.04562	412365.57	3727410.39	0.04618
412145.57	3727430.39	0.04013	412165.57	3727430.39	0.04058
412185.57	3727430.39	0.04105	412205.57	3727430.39	0.04153

```
         412225.57    3727430.39        0.04203                        412245.57
3727430.39        0.04253
         412265.57    3727430.39        0.04304                        412285.57
3727430.39        0.04356
         412305.57    3727430.39        0.04409                        412325.57
3727430.39        0.04464
         412345.57    3727430.39        0.04519                        412365.57
3727430.39        0.04576
         412145.57    3727450.39        0.03978                        412165.57
3727450.39        0.04024
         412185.57    3727450.39        0.04071                        412205.57
3727450.39        0.04118
         412225.57    3727450.39        0.04166                        412245.57
3727450.39        0.04215
         412265.57    3727450.39        0.04265                        412285.57
3727450.39        0.04317
         412305.57    3727450.39        0.04369                        412325.57
3727450.39        0.04423
         412345.57    3727450.39        0.04478                        412365.57
3727450.39        0.04535
         412145.57    3727470.39        0.03946                        412165.57
3727470.39        0.03991
         412185.57    3727470.39        0.04038                        412205.57
3727470.39        0.04083
         412225.57    3727470.39        0.04131                        412245.57
3727470.39        0.04180
         412265.57    3727470.39        0.04229                        412285.57
3727470.39        0.04280
         412305.57    3727470.39        0.04332                        412325.57
3727470.39        0.04385
         412345.57    3727470.39        0.04439                        412365.57
3727470.39        0.04495
         412145.57    3727490.39        0.03915                        412165.57
3727490.39        0.03959
         412185.57    3727490.39        0.04004                        412205.57
3727490.39        0.04050
         412225.57    3727490.39        0.04097                        412245.57
3727490.39        0.04145
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                        ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        16:48:31

                                  PAGE 429
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                  *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2   ***
                                  INCLUDING SOURCE(S):     L0000145    , L0000146
, L0000147    , L0000148    , L0000149    ,
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                 L0000150    , L0000151    , L0000152    , L0000153    , L0000154
, L0000155    , L0000156    , L0000157    ,
                 L0000158    , L0000159    , L0000160    , L0000161    , L0000162
, L0000163    , L0000164    , L0000165    ,
                 L0000166    , L0000167    , L0000168    , L0000169    , L0000170
, L0000171    , L0000172    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
         412265.57    3727490.39        0.04194                       412285.57
3727490.39        0.04244
         412305.57    3727490.39        0.04295                       412325.57
3727490.39        0.04347
         412345.57    3727490.39        0.04400                       412365.57
3727490.39        0.04455
         412145.57    3727510.39        0.03883                       412165.57
3727510.39        0.03926
         412185.57    3727510.39        0.03971                       412205.57
3727510.39        0.04016
         412225.57    3727510.39        0.04062                       412245.57
3727510.39        0.04109
         412265.57    3727510.39        0.04158                       412285.57
3727510.39        0.04207
         412305.57    3727510.39        0.04257                       412325.57
3727510.39        0.04309
         412345.57    3727510.39        0.04361                       412365.57
3727510.39        0.04415
         412145.57    3727530.39        0.03854                       412165.57
3727530.39        0.03896
         412185.57    3727530.39        0.03940                       412205.57
3727530.39        0.03985
         412225.57    3727530.39        0.04030                       412245.57
3727530.39        0.04077
         412265.57    3727530.39        0.04125                       412285.57
3727530.39        0.04173
         412305.57    3727530.39        0.04223                       412325.57
3727530.39        0.04273
         412345.57    3727530.39        0.04324                       412365.57
3727530.39        0.04377
         412145.57    3727550.39        0.03825                       412165.57
3727550.39        0.03866
         412185.57    3727550.39        0.03909                       412205.57
```

```
3727550.39        0.03953
         412225.57    3727550.39        0.03998                      412245.57
3727550.39        0.04044
         412265.57    3727550.39        0.04091                      412285.57
3727550.39        0.04139
         412305.57    3727550.39        0.04188                      412325.57
3727550.39        0.04238
         412345.57    3727550.39        0.04287                      412365.57
3727550.39        0.04340
         412145.57    3727570.39        0.03793                      412165.57
3727570.39        0.03834
         412185.57    3727570.39        0.03877                      412205.57
3727570.39        0.03919
         412225.57    3727570.39        0.03964                      412245.57
3727570.39        0.04009
         412265.57    3727570.39        0.04055                      412285.57
3727570.39        0.04102
         412305.57    3727570.39        0.04151                      412325.57
3727570.39        0.04203
         412345.57    3727570.39        0.04251                      412365.57
3727570.39        0.04302
         412145.57    3727590.39        0.03763                      412165.57
3727590.39        0.03804
         412185.57    3727590.39        0.03846                      412205.57
3727590.39        0.03888
         412225.57    3727590.39        0.03932                      412245.57
3727590.39        0.03977
         412265.57    3727590.39        0.04022                      412285.57
3727590.39        0.04068
         412305.57    3727590.39        0.04117                      412325.57
3727590.39        0.04168
         412345.57    3727590.39        0.04215                      412365.57
3727590.39        0.04266
         412145.57    3727610.39        0.03736                      412165.57
3727610.39        0.03776
         412185.57    3727610.39        0.03817                      412205.57
3727610.39        0.03859
         412225.57    3727610.39        0.03902                      412245.57
3727610.39        0.03947
         412265.57    3727610.39        0.03990                      412285.57
3727610.39        0.04035
         412305.57    3727610.39        0.04083                      412325.57
3727610.39        0.04133
         412345.57    3727610.39        0.04180                      412365.57
3727610.39        0.04230
         412145.57    3727630.39        0.03709                      412165.57
3727630.39        0.03748
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***       05/26/20
 *** AERMET - VERSION  16216 ***   ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SRCGP2 ***

INCLUDING SOURCE(S): L0000145 , L0000146 , L0000147 , L0000148 , L0000149 , L0000150 , L0000151 , L0000152 , L0000153 , L0000154 , L0000155 , L0000156 , L0000157 , L0000158 , L0000159 , L0000160 , L0000161 , L0000162 , L0000163 , L0000164 , L0000165 , L0000166 , L0000167 , L0000168 , L0000169 , L0000170 , L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
412185.57	3727630.39	0.03789	412205.57	3727630.39	0.03830
412225.57	3727630.39	0.03873	412245.57	3727630.39	0.03916
412265.57	3727630.39	0.03959	412285.57	3727630.39	0.04003
412305.57	3727630.39	0.04050	412325.57	3727630.39	0.04099
412345.57	3727630.39	0.04147	412365.57	3727630.39	0.04196
412145.57	3727650.39	0.03679	412165.57	3727650.39	0.03717
412185.57	3727650.39	0.03758	412205.57	3727650.39	0.03798
412225.57	3727650.39	0.03840	412245.57	3727650.39	0.03883
412265.57	3727650.39	0.03926	412285.57	3727650.39	0.03970
412305.57	3727650.39	0.04017	412325.57	3727650.39	0.04065
412345.57	3727650.39	0.04111	412365.57	3727650.39	0.04160
412145.57	3727670.39	0.03651	412165.57	3727670.39	0.03689

412185.57 3727670.39 0.03729 412205.57 3727670.39 0.03769
412225.57 3727670.39 0.03810 412245.57 3727670.39 0.03852
412265.57 3727670.39 0.03895 412285.57 3727670.39 0.03938
412305.57 3727670.39 0.03984 412325.57 3727670.39 0.04032
412345.57 3727670.39 0.04077 412365.57 3727670.39 0.04125
412145.57 3727690.39 0.03626 412165.57 3727690.39 0.03664
412185.57 3727690.39 0.03702 412205.57 3727690.39 0.03742
412225.57 3727690.39 0.03782 412245.57 3727690.39 0.03824
412265.57 3727690.39 0.03865 412285.57 3727690.39 0.03908
412305.57 3727690.39 0.03953 412325.57 3727690.39 0.04000
412345.57 3727690.39 0.04044 412365.57 3727690.39 0.04092
412145.57 3727710.39 0.03600 412165.57 3727710.39 0.03637
412185.57 3727710.39 0.03675 412205.57 3727710.39 0.03714
412225.57 3727710.39 0.03754 412245.57 3727710.39 0.03795
412265.57 3727710.39 0.03835 412285.57 3727710.39 0.03877
412305.57 3727710.39 0.03921 412325.57 3727710.39 0.03968
412345.57 3727710.39 0.04011 412365.57 3727710.39 0.04058
412145.57 3727730.39 0.03571 412165.57 3727730.39 0.03608
412185.57 3727730.39 0.03646 412205.57 3727730.39 0.03684
412225.57 3727730.39 0.03724 412245.57 3727730.39 0.03764
412265.57 3727730.39 0.03805 412285.57 3727730.39 0.03847
412305.57 3727730.39 0.03891 412325.57 3727730.39 0.03936
412345.57 3727730.39 0.03979 412365.57 3727730.39 0.04025
412145.57 3727750.39 0.03545 412165.57 3727750.39 0.03581
412185.57 3727750.39 0.03618 412205.57 3727750.39 0.03657

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SRCGP2 ***
INCLUDING SOURCE(S): L0000145 , L0000146 , L0000147 , L0000148 , L0000149 ,
L0000150 , L0000151 , L0000152 , L0000153 , L0000154 , L0000155 , L0000156 , L0000157 ,
L0000158 , L0000159 , L0000160 , L0000161 , L0000162 , L0000163 , L0000164 , L0000165 ,
L0000166 , L0000167 , L0000168 , L0000169 , L0000170 , L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
412345.57	3727750.39	0.03947	412365.57	3727750.39	0.03993
412145.57	3727770.39	0.03521	412165.57	3727770.39	0.03557
412185.57	3727770.39	0.03593	412205.57	3727770.39	0.03631
412225.57	3727770.39	0.03669	412245.57	3727770.39	0.03708
412265.57	3727770.39	0.03748	412285.57	3727770.39	0.03789
412305.57	3727770.39	0.03831	412325.57	3727770.39	0.03875
412345.57	3727770.39	0.03916	412365.57	3727770.39	0.03961
412145.57	3727790.39	0.03497	412165.57		

3727790.39 0.03533
412185.57 3727790.39 0.03569 412205.57
3727790.39 0.03606
412225.57 3727790.39 0.03643 412245.57
3727790.39 0.03682
412265.57 3727790.39 0.03721 412285.57
3727790.39 0.03762
412305.57 3727790.39 0.03803 412325.57
3727790.39 0.03845
412345.57 3727790.39 0.03886 412365.57
3727790.39 0.03930
412145.57 3727810.39 0.03471 412165.57
3727810.39 0.03506
412185.57 3727810.39 0.03541 412205.57
3727810.39 0.03578
412225.57 3727810.39 0.03615 412245.57
3727810.39 0.03653
412265.57 3727810.39 0.03692 412285.57
3727810.39 0.03732
412305.57 3727810.39 0.03772 412325.57
3727810.39 0.03814
412345.57 3727810.39 0.03855 412365.57
3727810.39 0.03900
412145.57 3727830.39 0.03448 412165.57
3727830.39 0.03482
412185.57 3727830.39 0.03517 412205.57
3727830.39 0.03553
412225.57 3727830.39 0.03590 412245.57
3727830.39 0.03627
412265.57 3727830.39 0.03666 412285.57
3727830.39 0.03705
412305.57 3727830.39 0.03745 412325.57
3727830.39 0.03786
412345.57 3727830.39 0.03828 412365.57
3727830.39 0.03871
412145.57 3727850.39 0.03424 412165.57
3727850.39 0.03458
412185.57 3727850.39 0.03493 412205.57
3727850.39 0.03528
412225.57 3727850.39 0.03564 412245.57
3727850.39 0.03601
412265.57 3727850.39 0.03639 412285.57
3727850.39 0.03678
412305.57 3727850.39 0.03717 412325.57
3727850.39 0.03758
412345.57 3727850.39 0.03799 412365.57
3727850.39 0.03841
412145.57 3727870.39 0.03399 412165.57
3727870.39 0.03431
412185.57 3727870.39 0.03465 412205.57

3727870.39   0.03502
         412225.57   3727870.39   0.03537   412245.57
3727870.39   0.03572
         412265.57   3727870.39   0.03609   412285.57
3727870.39   0.03647
         412305.57   3727870.39   0.03686   412325.57
3727870.39   0.03725
         412345.57   3727870.39   0.03766   412365.57
3727870.39   0.03810
         412145.57   3727890.39   0.03374   412165.57
3727890.39   0.03406
         412185.57   3727890.39   0.03440   412205.57
3727890.39   0.03477
         412225.57   3727890.39   0.03511   412245.57
3727890.39   0.03547

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2   ***
                                   INCLUDING SOURCE(S):   L0000145   , L0000146
, L0000147   , L0000148   , L0000149   ,
                  L0000150   , L0000151   , L0000152   , L0000153   , L0000154
, L0000155   , L0000156   , L0000157   ,
                  L0000158   , L0000159   , L0000160   , L0000161   , L0000162
, L0000163   , L0000164   , L0000165   ,
                  L0000166   , L0000167   , L0000168   , L0000169   , L0000170
, L0000171   , L0000172   , . . .   ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         412265.57   3727890.39   0.03583   412285.57
3727890.39   0.03621
         412305.57   3727890.39   0.03659   412325.57
3727890.39   0.03698
         412345.57   3727890.39   0.03739   412365.57
3727890.39   0.03781

412145.57 3727910.39 0.03351 412165.57 3727910.39 0.03382
412185.57 3727910.39 0.03416 412205.57 3727910.39 0.03452
412225.57 3727910.39 0.03487 412245.57 3727910.39 0.03522
412265.57 3727910.39 0.03558 412285.57 3727910.39 0.03595
412305.57 3727910.39 0.03633 412325.57 3727910.39 0.03672
412345.57 3727910.39 0.03711 412365.57 3727910.39 0.03752
412145.57 3727930.39 0.03327 412165.57 3727930.39 0.03359
412185.57 3727930.39 0.03392 412205.57 3727930.39 0.03427
412225.57 3727930.39 0.03461 412245.57 3727930.39 0.03495
412265.57 3727930.39 0.03531 412285.57 3727930.39 0.03567
412305.57 3727930.39 0.03604 412325.57 3727930.39 0.03643
412345.57 3727930.39 0.03681 412365.57 3727930.39 0.03723
412145.57 3727950.39 0.03305 412165.57 3727950.39 0.03336
412185.57 3727950.39 0.03368 412205.57 3727950.39 0.03403
412225.57 3727950.39 0.03436 412245.57 3727950.39 0.03469
412265.57 3727950.39 0.03504 412285.57 3727950.39 0.03540
412305.57 3727950.39 0.03577 412325.57 3727950.39 0.03615
412345.57 3727950.39 0.03653 412365.57 3727950.39 0.03695
412145.57 3727970.39 0.03282 412165.57 3727970.39 0.03313
412185.57 3727970.39 0.03344 412205.57 3727970.39 0.03379
412225.57 3727970.39 0.03412 412245.57 3727970.39 0.03445
412265.57 3727970.39 0.03480 412285.57 3727970.39 0.03515
412305.57 3727970.39 0.03552 412325.57 3727970.39 0.03589
412345.57 3727970.39 0.03627 412365.57 3727970.39 0.03668
412145.57 3727990.39 0.03261 412165.57 3727990.39 0.03290

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         412185.57    3727990.39        0.03321                       412205.57
3727990.39        0.03356
         412225.57    3727990.39        0.03389                       412245.57
3727990.39        0.03423
         412265.57    3727990.39        0.03457                       412285.57
3727990.39        0.03492
         412305.57    3727990.39        0.03528                       412325.57
3727990.39        0.03564
         412345.57    3727990.39        0.03602                       412365.57
3727990.39        0.03641
         412145.57    3728010.39        0.03239                       412165.57
3728010.39        0.03268
         412185.57    3728010.39        0.03299                       412205.57
3728010.39        0.03333
         412225.57    3728010.39        0.03364                       412245.57
3728010.39        0.03397
         412265.57    3728010.39        0.03431                       412285.57
3728010.39        0.03465
         412305.57    3728010.39        0.03501                       412325.57
3728010.39        0.03537
         412345.57    3728010.39        0.03574                       412365.57
3728010.39        0.03614
         412145.57    3728030.39        0.03217                       412165.57
3728030.39        0.03247
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                         ***        16:48:31

                                    PAGE 433
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2   ***
                                    INCLUDING SOURCE(S):     L0000145    , L0000146
, L0000147    , L0000148    , L0000149    ,
                  L0000150    , L0000151    , L0000152    , L0000153    , L0000154
, L0000155    , L0000156    , L0000157    ,
                  L0000158    , L0000159    , L0000160    , L0000161    , L0000162
, L0000163    , L0000164    , L0000165    ,
                  L0000166    , L0000167    , L0000168    , L0000169    , L0000170
, L0000171    , L0000172    ,  . . .      ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                    ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
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Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - -
        412185.57    3728030.39        0.03277                    412205.57
3728030.39       0.03310
        412225.57    3728030.39        0.03341                    412245.57
3728030.39       0.03373
        412265.57    3728030.39        0.03406                    412285.57
3728030.39       0.03440
        412305.57    3728030.39        0.03475                    412325.57
3728030.39       0.03511
        412345.57    3728030.39        0.03547                    412365.57
3728030.39       0.03587
        412145.57    3728050.39        0.03197                    412165.57
3728050.39       0.03225
        412185.57    3728050.39        0.03255                    412205.57
3728050.39       0.03288
        412225.57    3728050.39        0.03319                    412245.57
3728050.39       0.03351
        412265.57    3728050.39        0.03383                    412285.57
3728050.39       0.03417
        412305.57    3728050.39        0.03451                    412325.57
3728050.39       0.03486
        412345.57    3728050.39        0.03522                    412365.57
3728050.39       0.03561
        412145.57    3728070.39        0.03176                    412165.57
3728070.39       0.03204
        412185.57    3728070.39        0.03233                    412205.57
3728070.39       0.03266
        412225.57    3728070.39        0.03298                    412245.57
3728070.39       0.03329
        412265.57    3728070.39        0.03362                    412285.57
3728070.39       0.03395
        412305.57    3728070.39        0.03429                    412325.57
3728070.39       0.03464
        412345.57    3728070.39        0.03499                    412365.57
3728070.39       0.03536
        412145.57    3728090.39        0.03154                    412165.57
3728090.39       0.03183
        412185.57    3728090.39        0.03212                    412205.57
3728090.39       0.03245
        412225.57    3728090.39        0.03275                    412245.57
3728090.39       0.03306
        412265.57    3728090.39        0.03338                    412285.57
3728090.39       0.03371
        412305.57    3728090.39        0.03404                    412325.57
3728090.39       0.03438
        412345.57    3728090.39        0.03473                    412365.57
3728090.39       0.03510
        412145.57    3728110.39        0.03134                    412165.57
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```
3728110.39        0.03162
         412185.57    3728110.39        0.03191                        412205.57
3728110.39        0.03223
         412225.57    3728110.39        0.03252                        412245.57
3728110.39        0.03282
         412265.57    3728110.39        0.03314                        412285.57
3728110.39        0.03346
         412305.57    3728110.39        0.03380                        412325.57
3728110.39        0.03413
         412345.57    3728110.39        0.03447                        412365.57
3728110.39        0.03485
         412145.57    3728130.39        0.03114                        412165.57
3728130.39        0.03142
         412185.57    3728130.39        0.03171                        412205.57
3728130.39        0.03202
         412225.57    3728130.39        0.03231                        412245.57
3728130.39        0.03261
         412265.57    3728130.39        0.03292                        412285.57
3728130.39        0.03324
         412305.57    3728130.39        0.03357                        412325.57
3728130.39        0.03390
         412345.57    3728130.39        0.03425                        412365.57
3728130.39        0.03461
         412145.57    3728150.39        0.03095                        412165.57
3728150.39        0.03123
         412185.57    3728150.39        0.03151                        412205.57
3728150.39        0.03182
         412225.57    3728150.39        0.03211                        412245.57
3728150.39        0.03240
         412265.57    3728150.39        0.03271                        412285.57
3728150.39        0.03303
         412305.57    3728150.39        0.03335                        412325.57
3728150.39        0.03368
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                        ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        16:48:31

                                   PAGE 434
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2   ***
                                   INCLUDING SOURCE(S):     L0000145    , L0000146
, L0000147    , L0000148    , L0000149    ,
                  L0000150    , L0000151    , L0000152    , L0000153    , L0000154
, L0000155    , L0000156    , L0000157    ,
                  L0000158    , L0000159    , L0000160    , L0000161    , L0000162
, L0000163    , L0000164    , L0000165    ,
                  L0000166    , L0000167    , L0000168    , L0000169    , L0000170
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, L0000171   , L0000172   , . . .   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10   IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
412345.57	3728150.39	0.03402	412365.57	3728150.39	0.03437
412145.57	3728170.39	0.03076	412165.57	3728170.39	0.03105
412185.57	3728170.39	0.03132	412205.57	3728170.39	0.03161
412225.57	3728170.39	0.03190	412245.57	3728170.39	0.03220
412265.57	3728170.39	0.03250	412285.57	3728170.39	0.03281
412305.57	3728170.39	0.03313	412325.57	3728170.39	0.03346
412345.57	3728170.39	0.03379	412365.57	3728170.39	0.03413
412145.57	3728190.39	0.03055	412165.57	3728190.39	0.03084
412185.57	3728190.39	0.03112	412205.57	3728190.39	0.03139
412225.57	3728190.39	0.03167	412245.57	3728190.39	0.03197
412265.57	3728190.39	0.03227	412285.57	3728190.39	0.03257
412305.57	3728190.39	0.03289	412325.57	3728190.39	0.03321
412345.57	3728190.39	0.03354	412365.57	3728190.39	0.03389
412145.57	3728210.39	0.03037	412165.57	3728210.39	0.03065
412185.57	3728210.39	0.03092	412205.57	3728210.39	0.03119
412225.57	3728210.39	0.03147	412245.57	3728210.39	0.03176
412265.57	3728210.39	0.03206	412285.57	3728210.39	0.03236
412305.57	3728210.39	0.03267	412325.57	3728210.39	0.03298
412345.57	3728210.39	0.03331	412365.57	3728210.39	0.03366

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         412145.57    3728230.39        0.03019                        412165.57
3728230.39        0.03046
         412185.57    3728230.39        0.03072                        412205.57
3728230.39        0.03099
         412225.57    3728230.39        0.03127                        412245.57
3728230.39        0.03156
         412265.57    3728230.39        0.03185                        412285.57
3728230.39        0.03215
         412305.57    3728230.39        0.03246                        412325.57
3728230.39        0.03277
         412345.57    3728230.39        0.03309                        412365.57
3728230.39        0.03343
         412145.57    3728250.39        0.03002                        412165.57
3728250.39        0.03028
         412185.57    3728250.39        0.03054                        412205.57
3728250.39        0.03082
         412225.57    3728250.39        0.03109                        412245.57
3728250.39        0.03137
         412265.57    3728250.39        0.03166                        412285.57
3728250.39        0.03196
         412305.57    3728250.39        0.03226                        412325.57
3728250.39        0.03257
         412345.57    3728250.39        0.03288                        412365.57
3728250.39        0.03320
         412145.57    3728270.39        0.02983                        412165.57
3728270.39        0.03008
         412185.57    3728270.39        0.03033                        412205.57
3728270.39        0.03061
         412225.57    3728270.39        0.03088                        412245.57
3728270.39        0.03115
         412265.57    3728270.39        0.03143                        412285.57
3728270.39        0.03172
         412305.57    3728270.39        0.03202                        412325.57
3728270.39        0.03233
         412345.57    3728270.39        0.03264                        412365.57
3728270.39        0.03297
         412145.57    3728290.39        0.02964                        412165.57
3728290.39        0.02989
         412185.57    3728290.39        0.03014                        412205.57
3728290.39        0.03042
         412225.57    3728290.39        0.03068                        412245.57
3728290.39        0.03094
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                        ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        16:48:31

                                  PAGE 435
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SRCGP2 ***

INCLUDING SOURCE(S): L0000145 , L0000146 , L0000147 , L0000148 , L0000149 , L0000150 , L0000151 , L0000152 , L0000153 , L0000154 , L0000155 , L0000156 , L0000157 , L0000158 , L0000159 , L0000160 , L0000161 , L0000162 , L0000163 , L0000164 , L0000165 , L0000166 , L0000167 , L0000168 , L0000169 , L0000170 , L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
412265.57	3728290.39	0.03122	412285.57	3728290.39	0.03151
412305.57	3728290.39	0.03180	412325.57	3728290.39	0.03210
412345.57	3728290.39	0.03241	412365.57	3728290.39	0.03275
412145.57	3728310.39	0.02946	412165.57	3728310.39	0.02970
412185.57	3728310.39	0.02995	412205.57	3728310.39	0.03023
412225.57	3728310.39	0.03048	412245.57	3728310.39	0.03075
412265.57	3728310.39	0.03103	412285.57	3728310.39	0.03131
412305.57	3728310.39	0.03160	412325.57	3728310.39	0.03190
412345.57	3728310.39	0.03220	412365.57	3728310.39	0.03253
412145.57	3728330.39	0.02927	412165.57	3728330.39	0.02952
412185.57	3728330.39	0.02976	412205.57	3728330.39	0.03004
412225.57	3728330.39	0.03031	412245.57	3728330.39	0.03057
412265.57	3728330.39	0.03085	412285.57	3728330.39	0.03113
412305.57	3728330.39	0.03141	412325.57	3728330.39	0.03171
412345.57	3728330.39	0.03201	412365.57		

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3728330.39        0.03231
         412145.57    3728350.39        0.02909                    412165.57
3728350.39        0.02933
         412185.57    3728350.39        0.02958                    412205.57
3728350.39        0.02985
         412225.57    3728350.39        0.03011                    412245.57
3728350.39        0.03037
         412265.57    3728350.39        0.03064                    412285.57
3728350.39        0.03092
         412305.57    3728350.39        0.03120                    412325.57
3728350.39        0.03149
         412345.57    3728350.39        0.03179                    412365.57
3728350.39        0.03209
         412145.57    3728370.39        0.02892                    412165.57
3728370.39        0.02915
         412185.57    3728370.39        0.02939                    412205.57
3728370.39        0.02967
         412225.57    3728370.39        0.02991                    412245.57
3728370.39        0.03017
         412265.57    3728370.39        0.03043                    412285.57
3728370.39        0.03071
         412305.57    3728370.39        0.03099                    412325.57
3728370.39        0.03127
         412345.57    3728370.39        0.03156                    412365.57
3728370.39        0.03188
         412145.57    3728390.39        0.02874                    412165.57
3728390.39        0.02898
         412185.57    3728390.39        0.02921                    412205.57
3728390.39        0.02949
         412225.57    3728390.39        0.02972                    412245.57
3728390.39        0.02997
         412265.57    3728390.39        0.03024                    412285.57
3728390.39        0.03051
         412305.57    3728390.39        0.03078                    412325.57
3728390.39        0.03107
         412345.57    3728390.39        0.03135                    412365.57
3728390.39        0.03167
         412145.57    3728410.39        0.02857                    412165.57
3728410.39        0.02880
         412185.57    3728410.39        0.02904                    412205.57
3728410.39        0.02930
         412225.57    3728410.39        0.02955                    412245.57
3728410.39        0.02980
         412265.57    3728410.39        0.03006                    412285.57
3728410.39        0.03033
         412305.57    3728410.39        0.03060                    412325.57
3728410.39        0.03088
         412345.57    3728410.39        0.03117                    412365.57
3728410.39        0.03146
         412145.57    3728430.39        0.02840                    412165.57
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SRCGP2 ***
INCLUDING SOURCE(S): L0000145 , L0000146 , L0000147 , L0000148 , L0000149 ,
L0000150 , L0000151 , L0000152 , L0000153 , L0000154 , L0000155 , L0000156 , L0000157 ,
L0000158 , L0000159 , L0000160 , L0000161 , L0000162 , L0000163 , L0000164 , L0000165 ,
L0000166 , L0000167 , L0000168 , L0000169 , L0000170 , L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
412185.57	3728430.39	0.02886	412205.57	3728430.39	0.02913
412225.57	3728430.39	0.02937	412245.57	3728430.39	0.02962
412265.57	3728430.39	0.02988	412285.57	3728430.39	0.03014
412305.57	3728430.39	0.03041	412325.57	3728430.39	0.03069
412345.57	3728430.39	0.03097	412365.57	3728430.39	0.03126
412145.57	3728450.39	0.02823	412165.57	3728450.39	0.02845
412185.57	3728450.39	0.02869	412205.57	3728450.39	0.02895
412225.57	3728450.39	0.02918	412245.57	3728450.39	0.02942
412265.57	3728450.39	0.02968	412285.57	3728450.39	0.02994
412305.57	3728450.39	0.03020	412325.57	3728450.39	0.03048

412345.57 3728450.39 0.03076 412365.57 3728450.39 0.03105
412145.57 3728470.39 0.02806 412165.57 3728470.39 0.02829
412185.57 3728470.39 0.02851 412205.57 3728470.39 0.02877
412225.57 3728470.39 0.02900 412245.57 3728470.39 0.02924
412265.57 3728470.39 0.02949 412285.57 3728470.39 0.02975
412305.57 3728470.39 0.03002 412325.57 3728470.39 0.03028
412345.57 3728470.39 0.03056 412365.57 3728470.39 0.03085
412145.57 3728490.39 0.02789 412165.57 3728490.39 0.02812
412185.57 3728490.39 0.02834 412205.57 3728490.39 0.02860
412225.57 3728490.39 0.02883 412245.57 3728490.39 0.02907
412265.57 3728490.39 0.02932 412285.57 3728490.39 0.02957
412305.57 3728490.39 0.02983 412325.57 3728490.39 0.03010
412345.57 3728490.39 0.03037 412365.57 3728490.39 0.03065
412145.57 3728510.39 0.02772 412165.57 3728510.39 0.02795
412185.57 3728510.39 0.02818 412205.57 3728510.39 0.02843
412225.57 3728510.39 0.02867 412245.57 3728510.39 0.02891
412265.57 3728510.39 0.02916 412285.57 3728510.39 0.02941
412305.57 3728510.39 0.02966 412325.57 3728510.39 0.02992
412345.57 3728510.39 0.03019 412365.57 3728510.39 0.03046
412145.57 3728530.39 0.02756 412165.57 3728530.39 0.02778
412185.57 3728530.39 0.02801 412205.57 3728530.39 0.02826
412225.57 3728530.39 0.02848 412245.57 3728530.39 0.02872
412265.57 3728530.39 0.02896 412285.57 3728530.39 0.02921
412305.57 3728530.39 0.02946 412325.57 3728530.39 0.02972
412345.57 3728530.39 0.02999 412365.57 3728530.39 0.03027

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2   ***
                                     INCLUDING SOURCE(S):   L0000145   , L0000146
, L0000147   , L0000148   , L0000149   ,
                  L0000150   , L0000151   , L0000152   , L0000153   , L0000154
, L0000155   , L0000156   , L0000157   ,
                  L0000158   , L0000159   , L0000160   , L0000161   , L0000162
, L0000163   , L0000164   , L0000165   ,
                  L0000166   , L0000167   , L0000168   , L0000169   , L0000170
, L0000171   , L0000172   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                     ** CONC OF PM_10   IN MICROGRAMS/M**3
                   **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         412345.57   3728550.39   0.02979   412365.57
3728550.39   0.03008
         412145.57   3728570.39   0.02726   412165.57
3728570.39   0.02747
         412185.57   3728570.39   0.02769   412205.57
3728570.39   0.02793
         412225.57   3728570.39   0.02815   412245.57
3728570.39   0.02837
         412265.57   3728570.39   0.02861   412285.57
3728570.39   0.02885
         412305.57   3728570.39   0.02910   412325.57

3728570.39 0.02935
412345.57 3728570.39 0.02961 412365.57
3728570.39 0.02989
412145.57 3728590.39 0.02711 412165.57
3728590.39 0.02732
412185.57 3728590.39 0.02752 412205.57
3728590.39 0.02777
412225.57 3728590.39 0.02799 412245.57
3728590.39 0.02822
412265.57 3728590.39 0.02846 412285.57
3728590.39 0.02870
412305.57 3728590.39 0.02894 412325.57
3728590.39 0.02919
412345.57 3728590.39 0.02944 412365.57
3728590.39 0.02970
412145.57 3728610.39 0.02696 412165.57
3728610.39 0.02716
412185.57 3728610.39 0.02737 412205.57
3728610.39 0.02761
412225.57 3728610.39 0.02782 412245.57
3728610.39 0.02804
412265.57 3728610.39 0.02828 412285.57
3728610.39 0.02851
412305.57 3728610.39 0.02875 412325.57
3728610.39 0.02900
412345.57 3728610.39 0.02926 412365.57
3728610.39 0.02952
412145.57 3728630.39 0.02681 412165.57
3728630.39 0.02701
412185.57 3728630.39 0.02722 412205.57
3728630.39 0.02745
412225.57 3728630.39 0.02766 412245.57
3728630.39 0.02788
412265.57 3728630.39 0.02811 412285.57
3728630.39 0.02834
412305.57 3728630.39 0.02858 412325.57
3728630.39 0.02882
412345.57 3728630.39 0.02907 412365.57
3728630.39 0.02934
412145.57 3728650.39 0.02667 412165.57
3728650.39 0.02687
412185.57 3728650.39 0.02708 412205.57
3728650.39 0.02729
412225.57 3728650.39 0.02751 412245.57
3728650.39 0.02773
412265.57 3728650.39 0.02796 412285.57
3728650.39 0.02819
412305.57 3728650.39 0.02842 412325.57
3728650.39 0.02866
412345.57 3728650.39 0.02891 412365.57

3728650.39   0.02916
         412145.57   3728670.39   0.02651   412165.57
3728670.39   0.02671
         412185.57   3728670.39   0.02692   412205.57
3728670.39   0.02713
         412225.57   3728670.39   0.02734   412245.57
3728670.39   0.02756
         412265.57   3728670.39   0.02779   412285.57
3728670.39   0.02801
         412305.57   3728670.39   0.02825   412325.57
3728670.39   0.02848
         412345.57   3728670.39   0.02872   412365.57
3728670.39   0.02898
         412145.57   3728690.39   0.02637   412165.57
3728690.39   0.02657
         412185.57   3728690.39   0.02677   412205.57
3728690.39   0.02698
         412225.57   3728690.39   0.02719   412245.57
3728690.39   0.02741

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                               *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2   ***
                                   INCLUDING SOURCE(S):   L0000145   , L0000146
, L0000147   , L0000148   , L0000149   ,
                  L0000150   , L0000151   , L0000152   , L0000153   , L0000154
, L0000155   , L0000156   , L0000157   ,
                  L0000158   , L0000159   , L0000160   , L0000161   , L0000162
, L0000163   , L0000164   , L0000165   ,
                  L0000166   , L0000167   , L0000168   , L0000169   , L0000170
, L0000171   , L0000172   , . . .   ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         412265.57   3728690.39   0.02763   412285.57
3728690.39   0.02786

412305.57 3728690.39 0.02809 412325.57 3728690.39 0.02833
412345.57 3728690.39 0.02857 412365.57 3728690.39 0.02881
412145.57 3728710.39 0.02623 412165.57 3728710.39 0.02644
412185.57 3728710.39 0.02663 412205.57 3728710.39 0.02683
412225.57 3728710.39 0.02704 412245.57 3728710.39 0.02726
412265.57 3728710.39 0.02748 412285.57 3728710.39 0.02770
412305.57 3728710.39 0.02792 412325.57 3728710.39 0.02816
412345.57 3728710.39 0.02840 412365.57 3728710.39 0.02863
412145.57 3728730.39 0.02607 412165.57 3728730.39 0.02629
412185.57 3728730.39 0.02647 412205.57 3728730.39 0.02667
412225.57 3728730.39 0.02688 412245.57 3728730.39 0.02709
412265.57 3728730.39 0.02731 412285.57 3728730.39 0.02753
412305.57 3728730.39 0.02775 412325.57 3728730.39 0.02798
412345.57 3728730.39 0.02822 412365.57 3728730.39 0.02846
412145.57 3728750.39 0.02593 412165.57 3728750.39 0.02614
412185.57 3728750.39 0.02632 412205.57 3728750.39 0.02652
412225.57 3728750.39 0.02672 412245.57 3728750.39 0.02693
412265.57 3728750.39 0.02715 412285.57 3728750.39 0.02737
412305.57 3728750.39 0.02759 412325.57 3728750.39 0.02782
412345.57 3728750.39 0.02805 412365.57 3728750.39 0.02829
412145.57 3728770.39 0.02579 412165.57 3728770.39 0.02600
412185.57 3728770.39 0.02619 412205.57 3728770.39 0.02639
412225.57 3728770.39 0.02659 412245.57 3728770.39 0.02680
412265.57 3728770.39 0.02701 412285.57 3728770.39 0.02722
412305.57 3728770.39 0.02744 412325.57 3728770.39 0.02767

```
         412345.57    3728770.39        0.02790                        412365.57
3728770.39        0.02812
         412145.57    3728790.39        0.02566                        412165.57
3728790.39        0.02586
         412185.57    3728790.39        0.02604                        412205.57
3728790.39        0.02623
         412225.57    3728790.39        0.02643                        412245.57
3728790.39        0.02664
         412265.57    3728790.39        0.02685                        412285.57
3728790.39        0.02706
         412305.57    3728790.39        0.02728                        412325.57
3728790.39        0.02750
         412345.57    3728790.39        0.02773                        412365.57
3728790.39        0.02796
         412145.57    3728810.39        0.02552                        412165.57
3728810.39        0.02572
         412185.57    3728810.39        0.02589                        412205.57
3728810.39        0.02608
         412225.57    3728810.39        0.02628                        412245.57
3728810.39        0.02648
         412265.57    3728810.39        0.02669                        412285.57
3728810.39        0.02690
         412305.57    3728810.39        0.02712                        412325.57
3728810.39        0.02733
         412345.57    3728810.39        0.02756                        412365.57
3728810.39        0.02779
         412145.57    3728830.39        0.02538                        412165.57
3728830.39        0.02558
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                         ***        16:48:31

                                    PAGE 439
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2   ***
                                    INCLUDING SOURCE(S):     L0000145    , L0000146
, L0000147    , L0000148    , L0000149    ,
                  L0000150    , L0000151    , L0000152    , L0000153    , L0000154
, L0000155    , L0000156    , L0000157    ,
                  L0000158    , L0000159    , L0000160    , L0000161    , L0000162
, L0000163    , L0000164    , L0000165    ,
                  L0000166    , L0000167    , L0000168    , L0000169    , L0000170
, L0000171    , L0000172    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***
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** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
412185.57	3728830.39	0.02575	412205.57	3728830.39	0.02594
412225.57	3728830.39	0.02613	412245.57	3728830.39	0.02634
412265.57	3728830.39	0.02654	412285.57	3728830.39	0.02675
412305.57	3728830.39	0.02696	412325.57	3728830.39	0.02718
412345.57	3728830.39	0.02740	412365.57	3728830.39	0.02763
412145.57	3728850.39	0.02525	412165.57	3728850.39	0.02544
412185.57	3728850.39	0.02563	412205.57	3728850.39	0.02582
412225.57	3728850.39	0.02601	412245.57	3728850.39	0.02621
412265.57	3728850.39	0.02641	412285.57	3728850.39	0.02661
412305.57	3728850.39	0.02682	412325.57	3728850.39	0.02704
412345.57	3728850.39	0.02726	412365.57	3728850.39	0.02747
412145.57	3728870.39	0.02511	412165.57	3728870.39	0.02530
412185.57	3728870.39	0.02547	412205.57	3728870.39	0.02566
412225.57	3728870.39	0.02585	412245.57	3728870.39	0.02605
412265.57	3728870.39	0.02625	412285.57	3728870.39	0.02645
412305.57	3728870.39	0.02666	412325.57	3728870.39	0.02687
412345.57	3728870.39	0.02709	412365.57	3728870.39	0.02731
412145.57	3728890.39	0.02498	412165.57	3728890.39	0.02517
412185.57	3728890.39	0.02533	412205.57	3728890.39	0.02552
412225.57	3728890.39	0.02571	412245.57	3728890.39	0.02590
412265.57	3728890.39	0.02607	412285.57	3728890.39	0.02627
412305.57	3728890.39	0.02649	412325.57		

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3728890.39        0.02669
         412345.57    3728890.39        0.02691                        412365.57
3728890.39        0.02716
         412145.57    3728910.39        0.02485                        412165.57
3728910.39        0.02504
         412185.57    3728910.39        0.02520                        412205.57
3728910.39        0.02539
         412225.57    3728910.39        0.02557                        412245.57
3728910.39        0.02576
         412265.57    3728910.39        0.02596                        412285.57
3728910.39        0.02614
         412305.57    3728910.39        0.02634                        412325.57
3728910.39        0.02657
         412345.57    3728910.39        0.02678                        412365.57
3728910.39        0.02700
         412145.57    3728930.39        0.02472                        412165.57
3728930.39        0.02491
         412185.57    3728930.39        0.02508                        412205.57
3728930.39        0.02527
         412225.57    3728930.39        0.02545                        412245.57
3728930.39        0.02564
         412265.57    3728930.39        0.02583                        412285.57
3728930.39        0.02603
         412305.57    3728930.39        0.02623                        412325.57
3728930.39        0.02644
         412345.57    3728930.39        0.02664                        412365.57
3728930.39        0.02685
         412145.57    3728950.39        0.02459                        412165.57
3728950.39        0.02478
         412185.57    3728950.39        0.02494                        412205.57
3728950.39        0.02512
         412225.57    3728950.39        0.02530                        412245.57
3728950.39        0.02549
         412265.57    3728950.39        0.02568                        412285.57
3728950.39        0.02587
         412305.57    3728950.39        0.02607                        412325.57
3728950.39        0.02626
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                          ***       16:48:31

                                    PAGE 440
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2   ***
                                    INCLUDING SOURCE(S):     L0000145    , L0000146
, L0000147    , L0000148    , L0000149    ,
                 L0000150    , L0000151    , L0000152    , L0000153    , L0000154
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, L0000155    , L0000156    , L0000157    ,
                L0000158    , L0000159    , L0000160    , L0000161    , L0000162
, L0000163    , L0000164    , L0000165    ,
                L0000166    , L0000167    , L0000168    , L0000169    , L0000170
, L0000171    , L0000172    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
         412345.57    3728950.39        0.02646                       412365.57
3728950.39        0.02670
         412145.57    3728970.39        0.02446                       412165.57
3728970.39        0.02465
         412185.57    3728970.39        0.02481                       412205.57
3728970.39        0.02496
         412225.57    3728970.39        0.02515                       412245.57
3728970.39        0.02532
         412265.57    3728970.39        0.02551                       412285.57
3728970.39        0.02571
         412305.57    3728970.39        0.02590                       412325.57
3728970.39        0.02610
         412345.57    3728970.39        0.02628                       412365.57
3728970.39        0.02655
         412145.57    3728990.39        0.02433                       412165.57
3728990.39        0.02452
         412185.57    3728990.39        0.02468                       412205.57
3728990.39        0.02486
         412225.57    3728990.39        0.02504                       412245.57
3728990.39        0.02522
         412265.57    3728990.39        0.02541                       412285.57
3728990.39        0.02560
         412305.57    3728990.39        0.02579                       412325.57
3728990.39        0.02598
         412345.57    3728990.39        0.02617                       412365.57
3728990.39        0.02639
         412145.57    3729010.39        0.02421                       412165.57
3729010.39        0.02439
         412185.57    3729010.39        0.02456                       412205.57
3729010.39        0.02474
         412225.57    3729010.39        0.02491                       412245.57
3729010.39        0.02509
         412265.57    3729010.39        0.02528                       412285.57
3729010.39        0.02547
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         412305.57    3729010.39        0.02566                      412325.57
3729010.39        0.02586
         412345.57    3729010.39        0.02605                      412365.57
3729010.39        0.02624
         411515.35    3723339.37        3.15980                      411566.95
3723321.50        3.89501
         411209.71    3721870.71        0.29645                      410711.56
3722303.37        0.46810
         411481.61    3723222.27        5.49515                      412561.33
3728653.10        0.03185
         413259.39    3728649.87        0.04633                      412826.33
3727832.22        0.05108
         412377.11    3727858.08        0.03854                      412380.35
3728258.82        0.03334
         412583.95    3728262.05        0.03690

 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                         ***        16:48:31

                                    PAGE 441
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SRCGP1   ***
                                    INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                    ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        406928.54   3720436.98        4.98308  (14122617)               407433.29
3720436.98        5.46193  (14122617)
        407938.04   3720436.98        5.16805  (14122617)               408442.79
3720436.98        4.14434  (14122617)
        408947.54   3720436.98        3.21053  (16122117)               409452.29
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3720436.98        4.55729  (16122117)
        409957.04   3720436.98        5.31773  (16122117)                410461.79
3720436.98        4.97423  (16122117)
        410966.54   3720436.98        3.86227  (16112917)                411471.29
3720436.98        5.85298  (16112917)
        411976.04   3720436.98        6.90183  (16112917)                412480.79
3720436.98        6.26148  (16112917)
        412985.54   3720436.98        4.35891  (16112917)                413490.29
3720436.98        3.98194  (15121417)
        413995.04   3720436.98        5.68643  (16121917)                414499.79
3720436.98        6.96522  (16121917)
        415004.54   3720436.98       12.49015  (16121917)                415509.29
3720436.98        6.50103  (16121917)
        416014.04   3720436.98        3.15585  (13010109)                416518.79
3720436.98        2.68624  (13010109)
        417023.54   3720436.98        2.95112  (12112309)                406928.54
3720940.90        4.66231  (14122617)
        407433.29   3720940.90        5.68966  (14122617)                407938.04
3720940.90        5.99899  (14122617)
        408442.79   3720940.90        5.34772  (14122617)                408947.54
3720940.90        3.94654  (14122617)
        409452.29   3720940.90        4.40691  (16122117)                409957.04
3720940.90        5.65410  (16122117)
        410461.79   3720940.90        5.74851  (16122117)                410966.54
3720940.90        4.53038  (16122117)
        411471.29   3720940.90        6.10904  (16112917)                411976.04
3720940.90        7.55016  (16112917)
        412480.79   3720940.90        6.98852  (16112917)                412985.54
3720940.90        5.56989  (16112917)
        413490.29   3720940.90        6.73105  (15121417)                413995.04
3720940.90       10.49446  (16121917)
        414499.79   3720940.90       16.01065  (16121917)                415004.54
3720940.90       12.26648  (16121917)
        415509.29   3720940.90        5.15940  (16121917)                416014.04
3720940.90        3.21323  (13010109)
        416518.79   3720940.90        3.06028  (12112309)                417023.54
3720940.90        3.09709  (12112309)
        406928.54   3721444.82        3.99175  (14122617)                407433.29
3721444.82        5.46606  (14122617)
        407938.04   3721444.82        6.48940  (14122617)                408442.79
3721444.82        6.51391  (14122617)
        408947.54   3721444.82        5.38752  (14122617)                409452.29
3721444.82        4.06973  (16122117)
        409957.04   3721444.82        5.81191  (16122117)                410461.79
3721444.82        6.51638  (16122117)
        410966.54   3721444.82        5.55298  (16122117)                411471.29
3721444.82        6.33973  (16112917)
        411976.04   3721444.82        8.25123  (16112917)                412480.79
3721444.82       11.48543  (16112917)
        412985.54   3721444.82        5.73178  (16112917)                413490.29
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3721444.82   7.81928 (15121417)
        413995.04   3721444.82   13.69105 (16121917)   414499.79
3721444.82   17.91932 (16121917)
        415004.54   3721444.82   11.12580 (16121917)   415509.29
3721444.82   3.63797 (16121917)
        416014.04   3721444.82   3.09532 (13010109)   416518.79
3721444.82   3.36080 (12112309)
        417023.54   3721444.82   3.12804 (12112309)   406928.54
3721948.74   3.32562 (16122112)
        407433.29   3721948.74   4.76921 (14122617)   407938.04
3721948.74   6.44002 (14122617)
        408442.79   3721948.74   7.37550 (14122617)   408947.54
3721948.74   6.95000 (14122617)
        409452.29   3721948.74   5.22583 (14122617)   409957.04
3721948.74   5.72100 (16122117)
        410461.79   3721948.74   7.19285 (16122117)   410966.54
3721948.74   6.73368 (16122117)
        411471.29   3721948.74   6.49522 (16112917)   411976.04
3721948.74   9.03572 (16112917)
        412480.79   3721948.74   15.17542 (16112917)   412985.54
3721948.74   6.39969 (16112917)
        413490.29   3721948.74   9.27900 (15121417)   413995.04
3721948.74   17.31686 (16121917)
        414499.79   3721948.74   18.39206 (16121917)   415004.54
3721948.74   9.31461 (16121917)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1   ***
                                   INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                  L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0000013   ,
                  L0000014   , L0000015   , L0000016   , L0000017   , L0000018
, L0000019   , L0000020   , L0000021   ,
                  L0000022   , L0000023   , L0000024   , L0000025   , L0000026
, L0000027   , L0000028   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                    **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
415509.29	3721948.74	3.65194	(13010109)	416014.04	3721948.74	3.44049	(12112309)
416518.79	3721948.74	3.49518	(12112309)	417023.54	3721948.74	3.16780	(16011909)
406928.54	3722452.66	2.88198	(15012810)	407433.29	3722452.66	3.71726	(14122617)
407938.04	3722452.66	5.75576	(14122617)	408442.79	3722452.66	7.61999	(14122617)
408947.54	3722452.66	8.32172	(14122617)	409452.29	3722452.66	7.22449	(14122617)
409957.04	3722452.66	5.33767	(16122117)	410461.79	3722452.66	7.64013	(16122117)
411471.29	3722452.66	6.57468	(16112917)	411976.04	3722452.66	9.88538	(16112917)
412480.79	3722452.66	17.44192	(16112917)	412985.54	3722452.66	7.37925	(16112917)
413490.29	3722452.66	10.89612	(15121417)	413995.04	3722452.66	20.76383	(16121917)
414499.79	3722452.66	18.86550	(16121917)	415004.54	3722452.66	7.03054	(16121917)
415509.29	3722452.66	3.58871	(13010109)	416014.04	3722452.66	3.79592	(12112309)
416518.79	3722452.66	3.38928	(12112309)	417023.54	3722452.66	7.28969	(13012517)
406928.54	3722956.58	4.48892	(16122217)	407433.29	3722956.58	3.37888	(16122217)
407938.04	3722956.58	4.54122	(14122617)	408442.79	3722956.58	7.02950	(14122617)
408947.54	3722956.58	9.06397	(14122617)	409452.29	3722956.58	9.26746	(14122617)
409957.04	3722956.58	7.20851	(14122617)	410461.79	3722956.58	7.72753	(16122117)
410966.54	3722956.58	9.32713	(16122117)	411976.04	3722956.58	10.82510	(16112917)
412480.79	3722956.58	19.59205	(16112917)	412985.54	3722956.58	8.53127	(16112917)
413490.29	3722956.58	12.95847	(15121417)	413995.04	3722956.58	25.33974	(16121917)
414499.79	3722956.58	17.30005	(16121917)	415004.54	3722956.58	4.85554	(16121917)
415509.29	3722956.58	3.93818	(12112309)	416014.04	3722956.58	3.90583	(12112309)
416518.79	3722956.58	6.69701	(13012517)	417023.54	3722956.58	13.20106	(13012517)
406928.54	3723460.50	6.22256	(16122217)	407433.29	3723460.50	5.41478	(16122217)

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        407938.04   3723460.50        4.09347  (16122217)               408442.79
3723460.50        5.64105  (14122617)
        408947.54   3723460.50        8.68853  (14122617)               409452.29
3723460.50       10.75622  (14122617)
        409957.04   3723460.50       10.06852  (14122617)               410461.79
3723460.50        7.30449  (16122117)
        410966.54   3723460.50       10.42871  (16122117)               411471.29
3723460.50        9.82219  (16122117)
        411976.04   3723460.50       11.79382  (16112917)               412480.79
3723460.50       13.51335  (16112917)
        412985.54   3723460.50       10.16881  (16112917)               413490.29
3723460.50       17.52117  (16121917)
        413995.04   3723460.50       28.48003  (16121917)               414499.79
3723460.50       14.67948  (16121917)
        415004.54   3723460.50        4.25035  (13010109)               415509.29
3723460.50        4.36624  (12112309)
        416014.04   3723460.50        5.71599  (13012517)               416518.79
3723460.50       14.62748  (13012517)
        417023.54   3723460.50       18.42293  (13012517)               406928.54
3723964.42        7.28467  (16122217)
        407433.29   3723964.42        7.41650  (16122217)               407938.04
3723964.42        6.63620  (16122217)
        408442.79   3723964.42        5.04392  (16122217)               408947.54
3723964.42        7.12771  (14122617)
        409452.29   3723964.42       10.87324  (14122617)               409957.04
3723964.42       12.67834  (14122617)
        410461.79   3723964.42       10.47059  (14122617)               410966.54
3723964.42       11.00518  (16122117)
        411471.29   3723964.42       12.33209  (16122117)               411976.04
3723964.42       12.99879  (16112917)
        412480.79   3723964.42       27.57030  (16112917)               412985.54
3723964.42       11.99280  (16112917)
        413490.29   3723964.42       24.05668  (16121917)               413995.04
3723964.42       30.14827  (16121917)
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                         ***        16:48:31

                                    PAGE 443
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SRCGP1   ***
                                    INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
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L0000022 , L0000023 , L0000024 , L0000025 , L0000026
, L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
414499.79	3723964.42	11.05655	(16121917)	415004.54	3723964.42	4.62011	(12112309)
415509.29	3723964.42	4.58478	(13012517)	416014.04	3723964.42	14.83616	(13012517)
416518.79	3723964.42	23.41088	(13012517)	417023.54	3723964.42	19.43413	(16102417)
406928.54	3724468.34	6.97360	(16122217)	407433.29	3724468.34	8.35698	(16122217)
407938.04	3724468.34	8.91803	(16122217)	408442.79	3724468.34	8.24677	(16122217)
408947.54	3724468.34	6.34848	(16122217)	409452.29	3724468.34	9.21397	(14122617)
409957.04	3724468.34	13.80603	(14122617)	410461.79	3724468.34	14.75719	(14122617)
410966.54	3724468.34	10.67704	(16122117)	411471.29	3724468.34	14.93160	(16122117)
411976.04	3724468.34	13.56721	(16112917)	412480.79	3724468.34	32.33450	(16112917)
412985.54	3724468.34	14.53493	(16112917)	413490.29	3724468.34	32.43407	(16121917)
413995.04	3724468.34	29.87494	(16121917)	414499.79	3724468.34	7.13781	(16121917)
415004.54	3724468.34	5.14580	(12112309)	415509.29	3724468.34	14.35775	(13012517)
416014.04	3724468.34	26.67852	(13012517)	416518.79	3724468.34	25.76810	(16102417)
417023.54	3724468.34	22.36336	(16102417)	406928.54	3724972.26	7.80352	(13120917)
407433.29	3724972.26	7.65947	(13120917)	407938.04	3724972.26	9.48760	(16122217)
408442.79	3724972.26	10.77858	(16122217)	408947.54	3724972.26	10.45197	(16122217)
409452.29	3724972.26	8.20752	(16122217)	409957.04	3724972.26	12.26512	(14122617)
410461.79	3724972.26	17.74576	(14122617)	410966.54	3724972.26	16.47728	(14122617)
411471.29	3724972.26	16.98079	(16122117)	411976.04			

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3724972.26       16.32892  (16122117)
        412480.79   3724972.26       22.97201  (16112917)                412985.54
3724972.26       17.67237  (16112917)
        413490.29   3724972.26       42.05175  (16121917)                413995.04
3724972.26       26.18364  (16121917)
        414499.79   3724972.26        5.63578  (12112309)                415004.54
3724972.26       13.22641  (13012517)
        415509.29   3724972.26       29.85414  (13012517)                416014.04
3724972.26       30.46402  (16102417)
        416518.79   3724972.26       26.86852  (16102417)                417023.54
3724972.26       20.24170  (14110517)
        406928.54   3725476.18        8.32787  (13120917)                407433.29
3725476.18        9.37033  (13120917)
        407938.04   3725476.18        9.87373  (13120917)                408442.79
3725476.18       10.57689  (16122217)
        408947.54   3725476.18       13.06830  (16122217)                409452.29
3725476.18       13.55488  (16122217)
        409957.04   3725476.18       10.98555  (16122217)                410461.79
3725476.18       16.91687  (14122617)
        410966.54   3725476.18       22.93999  (14122617)                411471.29
3725476.18       17.30297  (16122117)
        411976.04   3725476.18       22.67689  (16122117)                412480.79
3725476.18       28.44010  (16112917)
        412985.54   3725476.18       19.68544  (16112917)                413490.29
3725476.18       53.11175  (16121917)
        413995.04   3725476.18       19.14317  (16121917)                414499.79
3725476.18       10.91689  (13012517)
        415004.54   3725476.18       33.26690  (13012517)                415509.29
3725476.18       36.52454  (13012517)
        416014.04   3725476.18       31.78013  (16102417)                416518.79
3725476.18       23.68088  (14110517)
        417023.54   3725476.18       13.31162  (12012417)                406928.54
3725980.10        9.04206  (13120917)
        407433.29   3725980.10        8.78908  (13120917)                407938.04
3725980.10       10.73915  (13120917)
        408442.79   3725980.10       12.33506  (13120917)                408947.54
3725980.10       12.99292  (13120917)
        409452.29   3725980.10       15.79697  (16122217)                409957.04
3725980.10       18.03057  (16122217)
        410461.79   3725980.10       15.42105  (16122217)                410966.54
3725980.10       24.51041  (14122617)
        411471.29   3725980.10       29.32423  (14122617)                411976.04
3725980.10       29.84086  (16122117)
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                         ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                        ***        16:48:31

                                  PAGE 444
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SRCGP1 ***

INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
412480.79	3725980.10	35.90734	(16112917)	412985.54	3725980.10	26.06903	(16121917)
413490.29	3725980.10	61.87126	(16121917)	413995.04	3725980.10	10.83945	(16121917)
414499.79	3725980.10	37.27854	(13012517)	415004.54	3725980.10	45.87468	(13012517)
415509.29	3725980.10	37.07713	(16102417)	416014.04	3725980.10	27.75204	(14110517)
416518.79	3725980.10	23.89939	(12012417)	417023.54	3725980.10	17.88299	(12012417)
406928.54	3726484.02	9.21059	(13122517)	407433.29	3726484.02	7.54524	(13122517)
407938.04	3726484.02	8.43541	(13120917)	408442.79	3726484.02	12.20879	(13120917)
408947.54	3726484.02	14.55039	(13120917)	409452.29	3726484.02	17.33585	(13120917)
409957.04	3726484.02	18.74713	(16122217)	410461.79	3726484.02	24.64341	(16122217)
410966.54	3726484.02	23.17067	(16122217)	411471.29	3726484.02	37.84843	(14122617)
411976.04	3726484.02	34.65809	(14122617)	412480.79	3726484.02	45.42474	(16112917)
412985.54	3726484.02	42.13474	(16121917)	413490.29	3726484.02	60.20531	(16121917)
413995.04	3726484.02	40.88572	(13012517)	414499.79	3726484.02	57.80939	(13012517)
415004.54	3726484.02	43.56075	(16102417)	415509.29	3726484.02	35.46250	(12012417)

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        416014.04   3726484.02       26.56497  (12012417)                416518.79
3726484.02       16.20656  (12012417)
        417023.54   3726484.02       12.47449  (15121517)                406928.54
3726987.94       10.23794  (13121917)
        407433.29   3726987.94        9.84806  (13122517)                407938.04
3726987.94       11.63676  (13122517)
        408442.79   3726987.94       14.34811  (13122517)                408947.54
3726987.94       11.68893  (13122517)
        409452.29   3726987.94       15.38519  (13120917)                409957.04
3726987.94       21.44878  (13120917)
        410461.79   3726987.94       27.12953  (13120917)                410966.54
3726987.94       34.41834  (16122217)
        411471.29   3726987.94       38.46883  (16122217)                411976.04
3726987.94       63.90425  (14122617)
        412480.79   3726987.94       67.50901  (16122117)                412985.54
3726987.94       76.92441  (16121917)
        413490.29   3726987.94       40.29373  (13012517)                413995.04
3726987.94       85.99147  (13012517)
        414499.79   3726987.94       56.84053  (14110517)                415004.54
3726987.94       44.58288  (12012417)
        415509.29   3726987.94       26.45060  (12012417)                416014.04
3726987.94       27.03672  (15121517)
        416518.79   3726987.94       18.24472  (15121517)                417023.54
3726987.94       15.93632  (15121517)
        406928.54   3727491.86       16.71025  (13121917)                407433.29
3727491.86       16.78417  (13121917)
        407938.04   3727491.86       16.78008  (13121917)                408442.79
3727491.86       19.07886  (13121917)
        408947.54   3727491.86       20.19449  (13121917)                409452.29
3727491.86       15.99898  (13121917)
        409957.04   3727491.86       17.55705  (13122517)                410461.79
3727491.86       22.27218  (13120917)
        410966.54   3727491.86       36.34362  (13120917)                411471.29
3727491.86       51.74538  (13120917)
        411976.04   3727491.86       75.65313  (16122217)                412480.79
3727491.86      123.60215  (14122617)
        412985.54   3727491.86      166.05576  (16121917)                413490.29
3727491.86      139.70671  (13012517)
        413995.04   3727491.86       73.55452  (12012417)                414499.79
3727491.86       40.80595  (12012417)
        415004.54   3727491.86       35.40616  (15121517)                415509.29
3727491.86       28.25227  (15103017)
        416014.04   3727491.86       23.68868  (15103017)                416518.79
3727491.86       19.40543  (15103017)
        417023.54   3727491.86       15.75174  (15103017)                406928.54
3727995.78       12.31625  (13121917)
        407433.29   3727995.78       14.39603  (13121917)                407938.04
3727995.78       16.03520  (13121917)
        408442.79   3727995.78       19.63079  (13121917)                408947.54
3727995.78       23.76302  (13121917)
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SRCGP1 ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
410461.79	3727995.78	30.93524	(13121917)	410966.54	3727995.78	40.38455	(13121917)
411471.29	3727995.78	54.36189	(13121917)	411976.04	3727995.78	80.77775	(13120917)
412985.54	3727995.78	297.81359	(16121917)	413490.29	3727995.78	120.27905	(15121517)
413995.04	3727995.78	76.52381	(15103017)	414499.79	3727995.78	50.59905	(15103017)
415004.54	3727995.78	66.86221	(14120117)	415509.29	3727995.78	29.01841	(15111017)
416014.04	3727995.78	23.48932	(15111017)	416518.79	3727995.78	19.44465	(15111017)
417023.54	3727995.78	16.47622	(16011117)	406928.54	3728499.70	7.99298	(15012617)
407433.29	3728499.70	9.56971	(15012617)	407938.04	3728499.70	14.68808	(15012617)
408442.79	3728499.70	17.04859	(15012617)	408947.54	3728499.70	13.66956	(15012617)
409452.29	3728499.70	16.23325	(15012617)	409957.04			

3728499.70 19.68379 (15012617)
410461.79 3728499.70 24.56319 (15012617) 410966.54
3728499.70 31.89598 (15012617)
411471.29 3728499.70 47.33802 (14120317) 411976.04
3728499.70 83.23720 (14120317)
412480.79 3728499.70 174.75096 (14120317) 413490.29
3728499.70 127.31307 (14120417)
413995.04 3728499.70 77.10239 (15011517) 414499.79
3728499.70 52.84744 (16110217)
415004.54 3728499.70 38.95353 (16110217) 415509.29
3728499.70 29.91871 (16110217)
416014.04 3728499.70 23.84379 (12011717) 416518.79
3728499.70 19.77856 (12011717)
417023.54 3728499.70 16.73215 (12011717) 406928.54
3729003.62 7.67958 (15012617)
407433.29 3729003.62 8.31987 (15012617) 407938.04
3729003.62 11.17464 (14120317)
408442.79 3729003.62 15.99118 (14120317) 408947.54
3729003.62 22.16239 (14120317)
409452.29 3729003.62 16.05307 (14120317) 409957.04
3729003.62 21.05886 (14120317)
410461.79 3729003.62 27.09950 (14120317) 410966.54
3729003.62 33.43361 (14120317)
411471.29 3729003.62 37.52817 (14120317) 411976.04
3729003.62 42.81437 (13012117)
412480.79 3729003.62 135.78210 (13012117) 412985.54
3729003.62 195.53979 (15120717)
413490.29 3729003.62 112.94560 (14102317) 413995.04
3729003.62 71.20130 (14110617)
414499.79 3729003.62 49.41049 (14111917) 415004.54
3729003.62 36.99590 (14111317)
415509.29 3729003.62 28.85167 (14120417) 416014.04
3729003.62 23.89805 (15011517)
416518.79 3729003.62 19.78932 (15011517) 417023.54
3729003.62 16.44705 (15113017)
406928.54 3729507.54 7.09739 (14120317) 407433.29
3729507.54 17.11621 (14120317)
407938.04 3729507.54 19.45768 (14120317) 408442.79
3729507.54 13.22173 (14120317)
408947.54 3729507.54 14.13664 (14120317) 409452.29
3729507.54 15.68548 (14120317)
409957.04 3729507.54 16.28571 (14120317) 410461.79
3729507.54 15.21557 (14120317)
410966.54 3729507.54 12.11343 (14120317) 411471.29
3729507.54 21.74834 (14121617)
411976.04 3729507.54 59.44927 (13012117) 412480.79
3729507.54 87.84174 (12112917)
412985.54 3729507.54 96.22298 (15121017) 413490.29
3729507.54 79.87732 (14102417)
413995.04 3729507.54 58.26000 (14102317) 414499.79

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1   ***
                                   INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0000013   ,
                L0000014   , L0000015   , L0000016   , L0000017   , L0000018
, L0000019   , L0000020   , L0000021   ,
                L0000022   , L0000023   , L0000024   , L0000025   , L0000026
, L0000027   , L0000028   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        409452.29   3730011.46   8.08819 (14120317)   409957.04
3730011.46   6.34198 (14120317)
        410461.79   3730011.46   5.77488 (12112109)   410966.54
3730011.46   13.85981 (14121617)
        411471.29   3730011.46   32.71529 (13012117)   411976.04
3730011.46   37.89097 (13012117)
        412480.79   3730011.46   56.84323 (12112917)   412985.54
3730011.46   58.03007 (15121017)
        413490.29   3730011.46   55.34026 (14111817)   413995.04
3730011.46   45.81168 (12102517)

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        414499.79   3730011.46       36.98492  (14102317)                415004.54
3730011.46       30.02899  (16101917)
        415509.29   3730011.46       25.04558  (14110617)                416014.04
3730011.46       21.17683  (15102617)
        416518.79   3730011.46       17.76849  (13013017)                417023.54
3730011.46       15.30474  (14111917)
        406928.54   3730515.38        6.54871  (14120317)                407433.29
3730515.38        6.33274  (14120317)
        407938.04   3730515.38        5.78999  (14120317)                408442.79
3730515.38        5.35581  (12112609)
        408947.54   3730515.38        4.91125  (12112609)                409452.29
3730515.38        4.77377  (12112109)
        409957.04   3730515.38        4.95796  (15021909)                410461.79
3730515.38        9.63563  (14121617)
        410966.54   3730515.38       20.30381  (13012117)                411471.29
3730515.38       28.65207  (13012117)
        411976.04   3730515.38       30.64970  (12112917)                412480.79
3730515.38       41.33649  (12121217)
        412985.54   3730515.38       39.04729  (15121017)                413490.29
3730515.38       40.42186  (16110817)
        413995.04   3730515.38       36.43716  (14102417)                414499.79
3730515.38       32.50769  (12011317)
        415004.54   3730515.38       29.50007  (14102317)                415509.29
3730515.38       22.21408  (13120517)
        416014.04   3730515.38       19.91599  (16120817)                416518.79
3730515.38       16.68861  (14110617)
        417023.54   3730515.38       15.09160  (15102617)                410498.80
3722355.26        7.67487  (16122117)
        410518.80   3722355.26        7.72293  (16122117)                410538.80
3722355.26        7.76768  (16122117)
        410558.80   3722355.26        7.80908  (16122117)                410578.80
3722355.26        7.84640  (16122117)
        410598.80   3722355.26        7.88241  (16122117)                410618.80
3722355.26        7.90976  (16122117)
        410638.80   3722355.26        7.93576  (16122117)                410658.80
3722355.26        7.96157  (16122117)
        410678.80   3722355.26        7.98072  (16122117)                410698.80
3722355.26        7.99427  (16122117)
        410718.80   3722355.26        8.00374  (16122117)                410738.80
3722355.26        8.00727  (16122117)
        410498.80   3722375.26        7.69216  (16122117)                410518.80
3722375.26        7.74186  (16122117)
        410538.80   3722375.26        7.78845  (16122117)                410558.80
3722375.26        7.83168  (16122117)
        410578.80   3722375.26        7.87312  (16122117)                410598.80
3722375.26        7.90580  (16122117)
        410618.80   3722375.26        7.93729  (16122117)                410638.80
3722375.26        7.96928  (16122117)
        410658.80   3722375.26        7.99391  (16122117)                410678.80
3722375.26        8.01257  (16122117)
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        410698.80   3722375.26        8.02724  (16122117)               410718.80
3722375.26        8.03946  (16122117)
        410738.80   3722375.26        8.04635  (16122117)               410758.80
3722375.26        8.04676  (16122117)
        410498.80   3722395.26        7.70874  (16122117)               410518.80
3722395.26        7.76035  (16122117)
        410538.80   3722395.26        7.80854  (16122117)               410558.80
3722395.26        7.85544  (16122117)
        410578.80   3722395.26        7.89428  (16122117)               410598.80
3722395.26        7.93118  (16122117)
        410618.80   3722395.26        7.96833  (16122117)               410638.80
3722395.26        7.99945  (16122117)
        410658.80   3722395.26        8.02404  (16122117)               410678.80
3722395.26        8.04411  (16122117)
        410698.80   3722395.26        8.06122  (16122117)               410718.80
3722395.26        8.07379  (16122117)
        410738.80   3722395.26        8.08362  (16122117)               410758.80
3722395.26        8.08728  (16122117)
        410778.80   3722395.26        8.08536  (16122117)               410498.80
3722415.26        7.72574  (16122117)
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                        ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        16:48:31

                                  PAGE 447
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SRCGP1   ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
        410518.80   3722415.26        7.77840  (16122117)               410538.80
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3722415.26        7.82998  (16122117)
        410558.80   3722415.26        7.87549  (16122117)                410578.80
3722415.26        7.91720  (16122117)
        410598.80   3722415.26        7.95944  (16122117)                410618.80
3722415.26        7.99684  (16122117)
        410638.80   3722415.26        8.02745  (16122117)                410658.80
3722415.26        8.05326  (16122117)
        410678.80   3722415.26        8.07689  (16122117)                410698.80
3722415.26        8.09548  (16122117)
        410718.80   3722415.26        8.10876  (16122117)                410738.80
3722415.26        8.11970  (16122117)
        410758.80   3722415.26        8.12662  (16122117)                410778.80
3722415.26        8.12652  (16122117)
        410798.80   3722415.26        8.12260  (16122117)                410498.80
3722435.26        7.74114  (16122117)
        410518.80   3722435.26        7.79707  (16122117)                410538.80
3722435.26        7.84927  (16122117)
        410558.80   3722435.26        7.89565  (16122117)                410578.80
3722435.26        7.94221  (16122117)
        410598.80   3722435.26        7.98639  (16122117)                410618.80
3722435.26        8.02274  (16122117)
        410638.80   3722435.26        8.05445  (16122117)                410658.80
3722435.26        8.08386  (16122117)
        410678.80   3722435.26        8.10904  (16122117)                410698.80
3722435.26        8.12888  (16122117)
        410718.80   3722435.26        8.14419  (16122117)                410738.80
3722435.26        8.15552  (16122117)
        410758.80   3722435.26        8.16447  (16122117)                410778.80
3722435.26        8.16790  (16122117)
        410798.80   3722435.26        8.16361  (16122117)                410818.80
3722435.26        8.15834  (16122117)
        410498.80   3722455.26        7.75588  (16122117)                410518.80
3722455.26        7.81500  (16122117)
        410538.80   3722455.26        7.86644  (16122117)                410558.80
3722455.26        7.91734  (16122117)
        410578.80   3722455.26        7.96780  (16122117)                410598.80
3722455.26        8.01024  (16122117)
        410618.80   3722455.26        8.04765  (16122117)                410638.80
3722455.26        8.08242  (16122117)
        410658.80   3722455.26        8.11390  (16122117)                410678.80
3722455.26        8.14045  (16122117)
        410698.80   3722455.26        8.16139  (16122117)                410718.80
3722455.26        8.17870  (16122117)
        410738.80   3722455.26        8.19157  (16122117)                410758.80
3722455.26        8.20235  (16122117)
        410778.80   3722455.26        8.20555  (16122117)                410798.80
3722455.26        8.20370  (16122117)
        410818.80   3722455.26        8.20019  (16122117)                410838.80
3722455.26        8.19258  (16122117)
        410498.80   3722475.26        7.77158  (16122117)                410518.80
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3722475.26        7.82985  (16122117)
        410538.80   3722475.26        7.88475  (16122117)                410558.80
3722475.26        7.94076  (16122117)
        410578.80   3722475.26        7.98979  (16122117)                410598.80
3722475.26        8.03288  (16122117)
        410618.80   3722475.26        8.07259  (16122117)                410638.80
3722475.26        8.11017  (16122117)
        410658.80   3722475.26        8.14261  (16122117)                410678.80
3722475.26        8.17099  (16122117)
        410698.80   3722475.26        8.19370  (16122117)                410718.80
3722475.26        8.21245  (16122117)
        410738.80   3722475.26        8.22750  (16122117)                410758.80
3722475.26        8.23965  (16122117)
        410778.80   3722475.26        8.24231  (16122117)                410798.80
3722475.26        8.24509  (16122117)
        410818.80   3722475.26        8.24365  (16122117)                410838.80
3722475.26        8.23599  (16122117)
        410498.80   3722495.26        7.78546  (16122117)                410518.80
3722495.26        7.84520  (16122117)
        410538.80   3722495.26        7.90558  (16122117)                410558.80
3722495.26        7.96123  (16122117)
        410578.80   3722495.26        8.01036  (16122117)                410598.80
3722495.26        8.05543  (16122117)
        410618.80   3722495.26        8.09820  (16122117)                410638.80
3722495.26        8.13600  (16122117)
        410658.80   3722495.26        8.17047  (16122117)                410678.80
3722495.26        8.20145  (16122117)
        410698.80   3722495.26        8.22563  (16122117)                410718.80
3722495.26        8.24581  (16122117)
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                         ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                        ***        16:48:31

                                   PAGE 448
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SRCGP1   ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                                  *** DISCRETE CARTESIAN RECEPTOR POINTS
***
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** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
410738.80	3722495.26	8.26309	(16122117)	410758.80	3722495.26	8.27610	(16122117)
410778.80	3722495.26	8.28084	(16122117)	410798.80	3722495.26	8.28611	(16122117)
410818.80	3722495.26	8.28603	(16122117)	410838.80	3722495.26	8.28023	(16122117)
410858.80	3722495.26	8.27030	(16122117)	410498.80	3722515.26	7.79818	(16122117)
410518.80	3722515.26	7.86258	(16122117)	410538.80	3722515.26	7.92494	(16122117)
410558.80	3722515.26	7.97976	(16122117)	410578.80	3722515.26	8.03006	(16122117)
410598.80	3722515.26	8.07884	(16122117)	410618.80	3722515.26	8.12351	(16122117)
410638.80	3722515.26	8.16295	(16122117)	410658.80	3722515.26	8.19912	(16122117)
410678.80	3722515.26	8.23128	(16122117)	410698.80	3722515.26	8.25696	(16122117)
410718.80	3722515.26	8.27888	(16122117)	410738.80	3722515.26	8.29826	(16122117)
410758.80	3722515.26	8.31256	(16122117)	410778.80	3722515.26	8.31929	(16122117)
410798.80	3722515.26	8.32650	(16122117)	410818.80	3722515.26	8.32861	(16122117)
410838.80	3722515.26	8.32487	(16122117)	410858.80	3722515.26	8.31562	(16122117)
410878.80	3722515.26	8.30295	(16122117)	410498.80	3722535.26	7.81184	(16122117)
410518.80	3722535.26	7.88026	(16122117)	410538.80	3722535.26	7.94125	(16122117)
410558.80	3722535.26	7.99739	(16122117)	410578.80	3722535.26	8.05062	(16122117)
410598.80	3722535.26	8.10137	(16122117)	410618.80	3722535.26	8.14768	(16122117)
410638.80	3722535.26	8.18931	(16122117)	410658.80	3722535.26	8.22706	(16122117)
410678.80	3722535.26	8.26020	(16122117)	410698.80	3722535.26	8.28809	(16122117)
410718.80	3722535.26	8.31179	(16122117)	410738.80	3722535.26	8.33305	(16122117)
410758.80	3722535.26	8.34899	(16122117)	410778.80	3722535.26	8.35740	(16122117)

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        410798.80   3722535.26        8.36649  (16122117)               410818.80
3722535.26        8.37004  (16122117)
        410838.80   3722535.26        8.36785  (16122117)               410858.80
3722535.26        8.36100  (16122117)
        410878.80   3722535.26        8.34912  (16122117)               410898.80
3722535.26        8.33372  (16122117)
        410498.80   3722555.26        7.82716  (16122117)               410518.80
3722555.26        7.89411  (16122117)
        410538.80   3722555.26        7.95673  (16122117)               410558.80
3722555.26        8.01461  (16122117)
        410578.80   3722555.26        8.07038  (16122117)               410598.80
3722555.26        8.12201  (16122117)
        410618.80   3722555.26        8.16980  (16122117)               410638.80
3722555.26        8.21325  (16122117)
        410658.80   3722555.26        8.25271  (16122117)               410678.80
3722555.26        8.28781  (16122117)
        410698.80   3722555.26        8.31869  (16122117)               410718.80
3722555.26        8.34421  (16122117)
        410738.80   3722555.26        8.36734  (16122117)               410758.80
3722555.26        8.38496  (16122117)
        410778.80   3722555.26        8.39539  (16122117)               410798.80
3722555.26        8.40655  (16122117)
        410818.80   3722555.26        8.41081  (16122117)               410838.80
3722555.26        8.40995  (16122117)
        410858.80   3722555.26        8.40459  (16122117)               410878.80
3722555.26        8.39578  (16122117)
        410898.80   3722555.26        8.38104  (16122117)               410918.80
3722555.26        8.36257  (16122117)
        410498.80   3722575.26        7.84018  (16122117)               410518.80
3722575.26        7.90681  (16122117)
        410538.80   3722575.26        7.97099  (16122117)               410558.80
3722575.26        8.03138  (16122117)
        410578.80   3722575.26        8.08868  (16122117)               410598.80
3722575.26        8.14194  (16122117)
        410618.80   3722575.26        8.19138  (16122117)               410638.80
3722575.26        8.23673  (16122117)
        410658.80   3722575.26        8.27795  (16122117)               410678.80
3722575.26        8.31500  (16122117)
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                         ***        16:48:31

                                    PAGE 449
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SRCGP1   ***
                                    INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
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                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                 L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                 L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                      ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        410698.80   3722575.26        8.34784  (16122117)               410718.80
3722575.26        8.37609  (16122117)
        410738.80   3722575.26        8.40036  (16122117)               410758.80
3722575.26        8.41866  (16122117)
        410778.80   3722575.26        8.43337  (16122117)               410798.80
3722575.26        8.44573  (16122117)
        410818.80   3722575.26        8.45140  (16122117)               410838.80
3722575.26        8.45170  (16122117)
        410858.80   3722575.26        8.44818  (16122117)               410878.80
3722575.26        8.44155  (16122117)
        410898.80   3722575.26        8.42933  (16122117)               410918.80
3722575.26        8.41146  (16122117)
        410938.80   3722575.26        8.38957  (16122117)               410498.80
3722595.26        7.85139  (16122117)
        410518.80   3722595.26        7.92055  (16122117)               410538.80
3722595.26        7.98690  (16122117)
        410558.80   3722595.26        8.04950  (16122117)               410578.80
3722595.26        8.10799  (16122117)
        410598.80   3722595.26        8.16320  (16122117)               410618.80
3722595.26        8.21448  (16122117)
        410638.80   3722595.26        8.26168  (16122117)               410658.80
3722595.26        8.30494  (16122117)
        410678.80   3722595.26        8.34392  (16122117)               410698.80
3722595.26        8.37869  (16122117)
        410718.80   3722595.26        8.40904  (16122117)               410738.80
3722595.26        8.43537  (16122117)
        410758.80   3722595.26        8.45602  (16122117)               410778.80
3722595.26        8.47121  (16122117)
        410798.80   3722595.26        8.48419  (16122117)               410818.80
3722595.26        8.49155  (16122117)
        410838.80   3722595.26        8.49483  (16122117)               410858.80
3722595.26        8.49226  (16122117)
        410878.80   3722595.26        8.48738  (16122117)               410898.80
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3722595.26        8.47664  (16122117)
        410918.80   3722595.26        8.46022  (16122117)                410938.80
3722595.26        8.44007  (16122117)
        410498.80   3722615.26        7.86126  (16122117)                410518.80
3722615.26        7.93248  (16122117)
        410538.80   3722615.26        8.00083  (16122117)                410558.80
3722615.26        8.06537  (16122117)
        410578.80   3722615.26        8.12627  (16122117)                410598.80
3722615.26        8.18319  (16122117)
        410618.80   3722615.26        8.23646  (16122117)                410638.80
3722615.26        8.28567  (16122117)
        410658.80   3722615.26        8.33092  (16122117)                410678.80
3722615.26        8.37201  (16122117)
        410698.80   3722615.26        8.40891  (16122117)                410718.80
3722615.26        8.44100  (16122117)
        410738.80   3722615.26        8.46923  (16122117)                410758.80
3722615.26        8.49208  (16122117)
        410778.80   3722615.26        8.50883  (16122117)                410798.80
3722615.26        8.52260  (16122117)
        410818.80   3722615.26        8.53105  (16122117)                410838.80
3722615.26        8.53604  (16122117)
        410858.80   3722615.26        8.53581  (16122117)                410878.80
3722615.26        8.53178  (16122117)
        410898.80   3722615.26        8.52252  (16122117)                410918.80
3722615.26        8.50831  (16122117)
        410938.80   3722615.26        8.48968  (16122117)                410958.80
3722615.26        8.46681  (16122117)
        410498.80   3722635.26        7.86881  (16122117)                410518.80
3722635.26        7.94245  (16122117)
        410538.80   3722635.26        8.01274  (16122117)                410558.80
3722635.26        8.07942  (16122117)
        410578.80   3722635.26        8.14230  (16122117)                410598.80
3722635.26        8.20163  (16122117)
        410618.80   3722635.26        8.25681  (16122117)                410638.80
3722635.26        8.30822  (16122117)
        410658.80   3722635.26        8.35537  (16122117)                410678.80
3722635.26        8.39833  (16122117)
        410698.80   3722635.26        8.43710  (16122117)                410718.80
3722635.26        8.47142  (16122117)
        410738.80   3722635.26        8.50139  (16122117)                410758.80
3722635.26        8.52631  (16122117)
        410778.80   3722635.26        8.54568  (16122117)                410798.80
3722635.26        8.56124  (16122117)
        410818.80   3722635.26        8.57119  (16122117)                410838.80
3722635.26        8.57825  (16122117)
        410858.80   3722635.26        8.58049  (16122117)                410878.80
3722635.26        8.57781  (16122117)
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SRCGP1 ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
410898.80	3722635.26	8.56995	(16122117)	410918.80	3722635.26	8.55708	(16122117)
410938.80	3722635.26	8.53978	(16122117)	410958.80	3722635.26	8.51799	(16122117)
410978.80	3722635.26	8.49136	(16122117)	410498.80	3722655.26	7.87669	(16122117)
410518.80	3722655.26	7.95209	(16122117)	410538.80	3722655.26	8.02419	(16122117)
410558.80	3722655.26	8.09269	(16122117)	410578.80	3722655.26	8.15756	(16122117)
410598.80	3722655.26	8.21875	(16122117)	410618.80	3722655.26	8.27594	(16122117)
410638.80	3722655.26	8.32917	(16122117)	410658.80	3722655.26	8.37852	(16122117)
410678.80	3722655.26	8.42346	(16122117)	410698.80	3722655.26	8.46421	(16122117)
410718.80	3722655.26	8.50054	(16122117)	410738.80	3722655.26	8.53241	(16122117)
410758.80	3722655.26	8.55962	(16122117)	410778.80	3722655.26	8.58208	(16122117)
410798.80	3722655.26	8.59910	(16122117)	410818.80	3722655.26	8.61071	(16122117)
410838.80	3722655.26	8.62025	(16122117)	410858.80	3722655.26	8.62491	(16122117)

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        410878.80   3722655.26        8.62406  (16122117)               410898.80
3722655.26        8.61773  (16122117)
        410918.80   3722655.26        8.60671  (16122117)               410938.80
3722655.26        8.59085  (16122117)
        410958.80   3722655.26        8.57019  (16122117)               410978.80
3722655.26        8.54410  (16122117)
        410998.80   3722655.26        8.51411  (16122117)               410498.80
3722675.26        7.88499  (16122117)
        410518.80   3722675.26        7.96366  (16122117)               410538.80
3722675.26        8.03782  (16122117)
        410558.80   3722675.26        8.10811  (16122117)               410578.80
3722675.26        8.17521  (16122117)
        410598.80   3722675.26        8.23848  (16122117)               410618.80
3722675.26        8.29765  (16122117)
        410638.80   3722675.26        8.35133  (16122117)               410658.80
3722675.26        8.40371  (16122117)
        410678.80   3722675.26        8.45088  (16122117)               410698.80
3722675.26        8.49361  (16122117)
        410718.80   3722675.26        8.53181  (16122117)               410738.80
3722675.26        8.56557  (16122117)
        410758.80   3722675.26        8.59445  (16122117)               410778.80
3722675.26        8.61806  (16122117)
        410798.80   3722675.26        8.63671  (16122117)               410818.80
3722675.26        8.65013  (16122117)
        410838.80   3722675.26        8.66105  (16122117)               410858.80
3722675.26        8.66783  (16122117)
        410878.80   3722675.26        8.66888  (16122117)               410898.80
3722675.26        8.66434  (16122117)
        410918.80   3722675.26        8.65502  (16122117)               410938.80
3722675.26        8.64125  (16122117)
        410958.80   3722675.26        8.62168  (16122117)               410978.80
3722675.26        8.59694  (16122117)
        410998.80   3722675.26        8.56823  (16122117)               411018.80
3722675.26        8.53462  (16122117)
        410498.80   3722695.26        7.89337  (16122117)               410518.80
3722695.26        7.97378  (16122117)
        410538.80   3722695.26        8.04972  (16122117)               410558.80
3722695.26        8.12213  (16122117)
        410578.80   3722695.26        8.19121  (16122117)               410598.80
3722695.26        8.25662  (16122117)
        410618.80   3722695.26        8.31731  (16122117)               410638.80
3722695.26        8.37299  (16122117)
        410658.80   3722695.26        8.42788  (16122117)               410678.80
3722695.26        8.47695  (16122117)
        410698.80   3722695.26        8.52172  (16122117)               410718.80
3722695.26        8.56178  (16122117)
        410738.80   3722695.26        8.59781  (16122117)               410758.80
3722695.26        8.62840  (16122117)
        410778.80   3722695.26        8.65356  (16122117)               410798.80
3722695.26        8.67424  (16122117)
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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SRCGP1 ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
410938.80	3722695.26	8.69033	(16122117)	410958.80	3722695.26	8.67265	(16122117)
410978.80	3722695.26	8.64879	(16122117)	410998.80	3722695.26	8.62158	(16122117)
411018.80	3722695.26	8.59049	(16122117)	411038.80	3722695.26	8.55284	(16122117)
410498.80	3722715.26	7.90110	(16122117)	410518.80	3722715.26	7.98257	(16122117)
410538.80	3722715.26	8.06003	(16122117)	410558.80	3722715.26	8.13414	(16122117)
410578.80	3722715.26	8.20583	(16122117)	410598.80	3722715.26	8.27350	(16122117)
410618.80	3722715.26	8.33617	(16122117)	410638.80	3722715.26	8.39385	(16122117)
410658.80	3722715.26	8.45065	(16122117)	410678.80			

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3722715.26        8.50172  (16122117)
        410698.80   3722715.26        8.54844  (16122117)                410718.80
3722715.26        8.59071  (16122117)
        410738.80   3722715.26        8.62835  (16122117)                410758.80
3722715.26        8.66135  (16122117)
        410778.80   3722715.26        8.68866  (16122117)                410798.80
3722715.26        8.71127  (16122117)
        410818.80   3722715.26        8.72853  (16122117)                410838.80
3722715.26        8.74294  (16122117)
        410858.80   3722715.26        8.75327  (16122117)                410878.80
3722715.26        8.75731  (16122117)
        410898.80   3722715.26        8.75513  (16122117)                410918.80
3722715.26        8.74909  (16122117)
        410938.80   3722715.26        8.73930  (16122117)                410958.80
3722715.26        8.72375  (16122117)
        410978.80   3722715.26        8.70102  (16122117)                410998.80
3722715.26        8.67592  (16122117)
        411018.80   3722715.26        8.64585  (16122117)                411038.80
3722715.26        8.61056  (16122117)
        410498.80   3722735.26        7.90600  (16122117)                410518.80
3722735.26        7.98902  (16122117)
        410538.80   3722735.26        8.06882  (16122117)                410558.80
3722735.26        8.14537  (16122117)
        410578.80   3722735.26        8.21942  (16122117)                410598.80
3722735.26        8.28949  (16122117)
        410618.80   3722735.26        8.35454  (16122117)                410638.80
3722735.26        8.41390  (16122117)
        410658.80   3722735.26        8.47142  (16122117)                410678.80
3722735.26        8.52456  (16122117)
        410698.80   3722735.26        8.57332  (16122117)                410718.80
3722735.26        8.61766  (16122117)
        410738.80   3722735.26        8.65735  (16122117)                410758.80
3722735.26        8.69286  (16122117)
        410778.80   3722735.26        8.72332  (16122117)                410798.80
3722735.26        8.74772  (16122117)
        410818.80   3722735.26        8.76714  (16122117)                410838.80
3722735.26        8.78340  (16122117)
        410858.80   3722735.26        8.79559  (16122117)                410878.80
3722735.26        8.80175  (16122117)
        410898.80   3722735.26        8.80200  (16122117)                410918.80
3722735.26        8.79703  (16122117)
        410938.80   3722735.26        8.78736  (16122117)                410958.80
3722735.26        8.77285  (16122117)
        410978.80   3722735.26        8.75372  (16122117)                410998.80
3722735.26        8.73088  (16122117)
        411018.80   3722735.26        8.70174  (16122117)                411038.80
3722735.26        8.66729  (16122117)
        411058.80   3722735.26        8.62846  (16122117)                410498.80
3722755.26        7.91330  (16122117)
        410518.80   3722755.26        7.99835  (16122117)                410538.80
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3722755.26   8.08009 (16122117)
        410558.80   3722755.26   8.15790 (16122117)   410578.80
3722755.26   8.23359 (16122117)
        410598.80   3722755.26   8.30523 (16122117)   410618.80
3722755.26   8.37209 (16122117)
        410638.80   3722755.26   8.43369 (16122117)   410658.80
3722755.26   8.49508 (16122117)
        410678.80   3722755.26   8.55009 (16122117)   410698.80
3722755.26   8.60106 (16122117)
        410718.80   3722755.26   8.64727 (16122117)   410738.80
3722755.26   8.68875 (16122117)
        410758.80   3722755.26   8.72598 (16122117)   410778.80
3722755.26   8.75754 (16122117)
        410798.80   3722755.26   8.78371 (16122117)   410818.80
3722755.26   8.80521 (16122117)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1   ***
                                   INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                  L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0000013   ,
                  L0000014   , L0000015   , L0000016   , L0000017   , L0000018
, L0000019   , L0000020   , L0000021   ,
                  L0000022   , L0000023   , L0000024   , L0000025   , L0000026
, L0000027   , L0000028   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
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- -
        410838.80   3722755.26   8.82359 (16122117)   410858.80
3722755.26   8.83751 (16122117)
        410878.80   3722755.26   8.84579 (16122117)   410898.80
3722755.26   8.84853 (16122117)
        410918.80   3722755.26   8.84568 (16122117)   410938.80
3722755.26   8.83675 (16122117)

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        410958.80   3722755.26        8.82346  (16122117)               410978.80
3722755.26        8.80674  (16122117)
        410998.80   3722755.26        8.78377  (16122117)               411018.80
3722755.26        8.75678  (16122117)
        411038.80   3722755.26        8.72464  (16122117)               411058.80
3722755.26        8.68674  (16122117)
        411078.80   3722755.26        8.64414  (16122117)               410498.80
3722775.26        7.91856  (16122117)
        410518.80   3722775.26        8.00540  (16122117)               410538.80
3722775.26        8.08941  (16122117)
        410558.80   3722775.26        8.16970  (16122117)               410578.80
3722775.26        8.24672  (16122117)
        410598.80   3722775.26        8.32030  (16122117)               410618.80
3722775.26        8.38896  (16122117)
        410638.80   3722775.26        8.45275  (16122117)               410658.80
3722775.26        8.51624  (16122117)
        410678.80   3722775.26        8.57351  (16122117)               410698.80
3722775.26        8.62651  (16122117)
        410718.80   3722775.26        8.67497  (16122117)               410738.80
3722775.26        8.71898  (16122117)
        410758.80   3722775.26        8.75787  (16122117)               410778.80
3722775.26        8.79130  (16122117)
        410798.80   3722775.26        8.81953  (16122117)               410818.80
3722775.26        8.84276  (16122117)
        410838.80   3722775.26        8.86313  (16122117)               410858.80
3722775.26        8.87906  (16122117)
        410878.80   3722775.26        8.88828  (16122117)               410898.80
3722775.26        8.89342  (16122117)
        410918.80   3722775.26        8.89321  (16122117)               410938.80
3722775.26        8.88517  (16122117)
        410958.80   3722775.26        8.87592  (16122117)               410978.80
3722775.26        8.86079  (16122117)
        410998.80   3722775.26        8.83835  (16122117)               411018.80
3722775.26        8.81152  (16122117)
        411038.80   3722775.26        8.78124  (16122117)               411058.80
3722775.26        8.74513  (16122117)
        411078.80   3722775.26        8.70407  (16122117)               411098.80
3722775.26        8.65763  (16122117)
        410498.80   3722795.26        7.92235  (16122117)               410518.80
3722795.26        8.01113  (16122117)
        410538.80   3722795.26        8.09684  (16122117)               410558.80
3722795.26        8.17879  (16122117)
        410578.80   3722795.26        8.25839  (16122117)               410598.80
3722795.26        8.33421  (16122117)
        410618.80   3722795.26        8.40527  (16122117)               410638.80
3722795.26        8.47118  (16122117)
        410658.80   3722795.26        8.53630  (16122117)               410678.80
3722795.26        8.59526  (16122117)
        410698.80   3722795.26        8.65061  (16122117)               410718.80
3722795.26        8.70125  (16122117)
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        410738.80   3722795.26        8.74683  (16122117)                410758.80
3722795.26        8.78837  (16122117)
        410778.80   3722795.26        8.82452  (16122117)                410798.80
3722795.26        8.85457  (16122117)
        410818.80   3722795.26        8.87994  (16122117)                410838.80
3722795.26        8.90248  (16122117)
        410858.80   3722795.26        8.92052  (16122117)                410878.80
3722795.26        8.93118  (16122117)
        410898.80   3722795.26        8.93743  (16122117)                410918.80
3722795.26        8.93841  (16122117)
        410938.80   3722795.26        8.93504  (16122117)                410958.80
3722795.26        8.92756  (16122117)
        410978.80   3722795.26        8.91351  (16122117)                410998.80
3722795.26        8.89349  (16122117)
        411018.80   3722795.26        8.86764  (16122117)                411038.80
3722795.26        8.83759  (16122117)
        411058.80   3722795.26        8.80361  (16122117)                411078.80
3722795.26        8.76382  (16122117)
        411098.80   3722795.26        8.71913  (16122117)                411118.80
3722795.26        8.66920  (16122117)
        410498.80   3722815.26        7.92433  (16122117)                410518.80
3722815.26        8.01513  (16122117)
        410538.80   3722815.26        8.10284  (16122117)                410558.80
3722815.26        8.18729  (16122117)
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                         ***        16:48:31

                                    PAGE 453
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SRCGP1   ***
                                    INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                   L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                   L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                   L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10    IN MICROGRAMS/M**3
                    **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
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Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
        410578.80   3722815.26        8.26972  (16122117)                410598.80
3722815.26        8.34780  (16122117)
        410618.80   3722815.26        8.42115  (16122117)                410638.80
3722815.26        8.48862  (16122117)
        410658.80   3722815.26        8.55459  (16122117)                410678.80
3722815.26        8.61601  (16122117)
        410698.80   3722815.26        8.67309  (16122117)                410718.80
3722815.26        8.72583  (16122117)
        410738.80   3722815.26        8.77418  (16122117)                410758.80
3722815.26        8.81818  (16122117)
        410778.80   3722815.26        8.85724  (16122117)                410798.80
3722815.26        8.88921  (16122117)
        410818.80   3722815.26        8.91676  (16122117)                410838.80
3722815.26        8.94119  (16122117)
        410858.80   3722815.26        8.96127  (16122117)                410878.80
3722815.26        8.97517  (16122117)
        410898.80   3722815.26        8.98208  (16122117)                410918.80
3722815.26        8.98505  (16122117)
        410938.80   3722815.26        8.98461  (16122117)                410958.80
3722815.26        8.97825  (16122117)
        410978.80   3722815.26        8.96557  (16122117)                410998.80
3722815.26        8.94796  (16122117)
        411018.80   3722815.26        8.92452  (16122117)                411038.80
3722815.26        8.89460  (16122117)
        411058.80   3722815.26        8.86160  (16122117)                411078.80
3722815.26        8.82413  (16122117)
        411098.80   3722815.26        8.78017  (16122117)                411118.80
3722815.26        8.73166  (16122117)
        411138.80   3722815.26        8.67824  (16122117)                410498.80
3722835.26        7.92866  (16122117)
        410518.80   3722835.26        8.02147  (16122117)                410538.80
3722835.26        8.11114  (16122117)
        410558.80   3722835.26        8.19729  (16122117)                410578.80
3722835.26        8.28073  (16122117)
        410598.80   3722835.26        8.36065  (16122117)                410618.80
3722835.26        8.43615  (16122117)
        410638.80   3722835.26        8.50602  (16122117)                410658.80
3722835.26        8.57593  (16122117)
        410678.80   3722835.26        8.63934  (16122117)                410698.80
3722835.26        8.69852  (16122117)
        410718.80   3722835.26        8.75345  (16122117)                410738.80
3722835.26        8.80330  (16122117)
        410758.80   3722835.26        8.84904  (16122117)                410778.80
3722835.26        8.88946  (16122117)
        410798.80   3722835.26        8.92366  (16122117)                410818.80
3722835.26        8.95334  (16122117)
        410838.80   3722835.26        8.97993  (16122117)                410858.80
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3722835.26        9.00179  (16122117)
        410878.80   3722835.26        9.01715  (16122117)                410898.80
3722835.26        9.02600  (16122117)
        410918.80   3722835.26        9.03306  (16122117)                410938.80
3722835.26        9.03356  (16122117)
        410958.80   3722835.26        9.02834  (16122117)                410978.80
3722835.26        9.01702  (16122117)
        410998.80   3722835.26        9.00148  (16122117)                411018.80
3722835.26        8.98051  (16122117)
        411038.80   3722835.26        8.95323  (16122117)                411058.80
3722835.26        8.91970  (16122117)
        411078.80   3722835.26        8.88396  (16122117)                411098.80
3722835.26        8.84216  (16122117)
        411118.80   3722835.26        8.79422  (16122117)                411138.80
3722835.26        8.74189  (16122117)
        410498.80   3722855.26        7.93090  (16122117)                410518.80
3722855.26        8.02580  (16122117)
        410538.80   3722855.26        8.11738  (16122117)                410558.80
3722855.26        8.20585  (16122117)
        410578.80   3722855.26        8.29088  (16122117)                410598.80
3722855.26        8.37270  (16122117)
        410618.80   3722855.26        8.45021  (16122117)                410638.80
3722855.26        8.52233  (16122117)
        410658.80   3722855.26        8.59432  (16122117)                410678.80
3722855.26        8.66025  (16122117)
        410698.80   3722855.26        8.72189  (16122117)                410718.80
3722855.26        8.77886  (16122117)
        410738.80   3722855.26        8.83126  (16122117)                410758.80
3722855.26        8.87873  (16122117)
        410778.80   3722855.26        8.92098  (16122117)                410798.80
3722855.26        8.95754  (16122117)
        410818.80   3722855.26        8.98942  (16122117)                410838.80
3722855.26        9.01796  (16122117)
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                        ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        16:48:31

                                   PAGE 454
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SRCGP1   ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                L0000022    , L0000023    , L0000024    , L0000025    , L0000026
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, L0000027   , L0000028   , . . .   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10   IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
410858.80	3722855.26	9.04219	(16122117)	410878.80	3722855.26	9.05803	(16122117)
410898.80	3722855.26	9.07110	(16122117)	410918.80	3722855.26	9.07942	(16122117)
410938.80	3722855.26	9.08250	(16122117)	410958.80	3722855.26	9.07781	(16122117)
410978.80	3722855.26	9.06814	(16122117)	410998.80	3722855.26	9.05448	(16122117)
411018.80	3722855.26	9.03605	(16122117)	411038.80	3722855.26	9.01110	(16122117)
411058.80	3722855.26	8.97889	(16122117)	411078.80	3722855.26	8.94382	(16122117)
411098.80	3722855.26	8.90396	(16122117)	411118.80	3722855.26	8.85799	(16122117)
411138.80	3722855.26	8.80579	(16122117)	411158.80	3722855.26	8.74967	(16122117)
410498.80	3722875.26	7.93131	(16122117)	410518.80	3722875.26	8.02821	(16122117)
410538.80	3722875.26	8.12176	(16122117)	410558.80	3722875.26	8.21252	(16122117)
410578.80	3722875.26	8.29952	(16122117)	410598.80	3722875.26	8.38331	(16122117)
410618.80	3722875.26	8.46319	(16122117)	410638.80	3722875.26	8.53784	(16122117)
410658.80	3722875.26	8.61126	(16122117)	410678.80	3722875.26	8.67953	(16122117)
410698.80	3722875.26	8.74344	(16122117)	410718.80	3722875.26	8.80257	(16122117)
410738.80	3722875.26	8.85708	(16122117)	410758.80	3722875.26	8.90704	(16122117)
410778.80	3722875.26	8.95203	(16122117)	410798.80	3722875.26	8.99079	(16122117)
410818.80	3722875.26	9.02498	(16122117)	410838.80	3722875.26	9.05563	(16122117)
410858.80	3722875.26	9.08058	(16122117)	410878.80	3722875.26	9.09921	(16122117)
410898.80	3722875.26	9.11539	(16122117)	410918.80	3722875.26	9.12544	(16122117)

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        410938.80   3722875.26        9.13002  (16122117)                410958.80
3722875.26        9.12841  (16122117)
        410978.80   3722875.26        9.11967  (16122117)                410998.80
3722875.26        9.10717  (16122117)
        411018.80   3722875.26        9.09070  (16122117)                411038.80
3722875.26        9.06809  (16122117)
        411058.80   3722875.26        9.03804  (16122117)                411078.80
3722875.26        9.00376  (16122117)
        411098.80   3722875.26        8.96534  (16122117)                411118.80
3722875.26        8.92067  (16122117)
        411138.80   3722875.26        8.86985  (16122117)                411158.80
3722875.26        8.81511  (16122117)
        411178.80   3722875.26        8.75520  (16122117)                410498.80
3722895.26        7.93055  (16122117)
        410518.80   3722895.26        8.02892  (16122117)                410538.80
3722895.26        8.12498  (16122117)
        410558.80   3722895.26        8.21757  (16122117)                410578.80
3722895.26        8.30676  (16122117)
        410598.80   3722895.26        8.39229  (16122117)                410618.80
3722895.26        8.47479  (16122117)
        410638.80   3722895.26        8.55299  (16122117)                410658.80
3722895.26        8.62732  (16122117)
        410678.80   3722895.26        8.69717  (16122117)                410698.80
3722895.26        8.76354  (16122117)
        410718.80   3722895.26        8.82499  (16122117)                410738.80
3722895.26        8.88167  (16122117)
        410758.80   3722895.26        8.93427  (16122117)                410778.80
3722895.26        8.98249  (16122117)
        410798.80   3722895.26        9.02455  (16122117)                410818.80
3722895.26        9.06097  (16122117)
        410838.80   3722895.26        9.09216  (16122117)                410858.80
3722895.26        9.11878  (16122117)
        410878.80   3722895.26        9.14208  (16122117)                410898.80
3722895.26        9.15801  (16122117)
        410918.80   3722895.26        9.16997  (16122117)                410938.80
3722895.26        9.17720  (16122117)
        410958.80   3722895.26        9.17804  (16122117)                410978.80
3722895.26        9.17154  (16122117)
        410998.80   3722895.26        9.16004  (16122117)                411018.80
3722895.26        9.14577  (16122117)
        411038.80   3722895.26        9.12491  (16122117)                411058.80
3722895.26        9.09669  (16122117)
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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SRCGP1 ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
411078.80	3722895.26	9.06322	(16122117)	411098.80	3722895.26	9.02546	(16122117)
411118.80	3722895.26	8.98231	(16122117)	411138.80	3722895.26	8.93379	(16122117)
411158.80	3722895.26	8.88038	(16122117)	411178.80	3722895.26	8.82205	(16122117)
411198.80	3722895.26	8.75820	(16122117)	410498.80	3722915.26	7.93219	(16122117)
410518.80	3722915.26	8.03106	(16122117)	410538.80	3722915.26	8.13033	(16122117)
410558.80	3722915.26	8.22501	(16122117)	410578.80	3722915.26	8.31624	(16122117)
410598.80	3722915.26	8.40282	(16122117)	410618.80	3722915.26	8.48885	(16122117)
410638.80	3722915.26	8.56946	(16122117)	410658.80	3722915.26	8.64561	(16122117)
410678.80	3722915.26	8.71630	(16122117)	410698.80	3722915.26	8.78609	(16122117)
410718.80	3722915.26	8.85013	(16122117)	410738.80	3722915.26	8.90919	(16122117)
410758.80	3722915.26	8.96332	(16122117)	410778.80	3722915.26	9.01257	(16122117)
410798.80	3722915.26	9.05683	(16122117)	410818.80	3722915.26	9.09591	(16122117)
410838.80	3722915.26	9.12884	(16122117)	410858.80	3722915.26	9.15909	(16122117)
410878.80	3722915.26	9.18397	(16122117)	410898.80	3722915.26	9.20242	(16122117)
410918.80	3722915.26	9.21595	(16122117)	410938.80			

3722915.26 9.22439 (16122117)
410958.80 3722915.26 9.22716 (16122117) 410978.80
3722915.26 9.22314 (16122117)
410998.80 3722915.26 9.21292 (16122117) 411018.80
3722915.26 9.19994 (16122117)
411038.80 3722915.26 9.18030 (16122117) 411058.80
3722915.26 9.15421 (16122117)
411078.80 3722915.26 9.12408 (16122117) 411098.80
3722915.26 9.08879 (16122117)
411118.80 3722915.26 9.04688 (16122117) 411138.80
3722915.26 8.99954 (16122117)
411158.80 3722915.26 8.94725 (16122117) 411178.80
3722915.26 8.88887 (16122117)
411198.80 3722915.26 8.82640 (16122117) 411218.80
3722915.26 8.75918 (16122117)
410498.80 3722935.26 7.93109 (16122117) 410518.80
3722935.26 8.03202 (16122117)
410538.80 3722935.26 8.13392 (16122117) 410558.80
3722935.26 8.23082 (16122117)
410578.80 3722935.26 8.32396 (16122117) 410598.80
3722935.26 8.41221 (16122117)
410618.80 3722935.26 8.50060 (16122117) 410638.80
3722935.26 8.58360 (16122117)
410658.80 3722935.26 8.66184 (16122117) 410678.80
3722935.26 8.73450 (16122117)
410698.80 3722935.26 8.80703 (16122117) 410718.80
3722935.26 8.87357 (16122117)
410738.80 3722935.26 8.93498 (16122117) 410758.80
3722935.26 8.99071 (16122117)
410778.80 3722935.26 9.04192 (16122117) 410798.80
3722935.26 9.08815 (16122117)
410818.80 3722935.26 9.12862 (16122117) 410838.80
3722935.26 9.16575 (16122117)
410858.80 3722935.26 9.19838 (16122117) 410878.80
3722935.26 9.22507 (16122117)
410898.80 3722935.26 9.24584 (16122117) 410918.80
3722935.26 9.26153 (16122117)
410938.80 3722935.26 9.27126 (16122117) 410958.80
3722935.26 9.27586 (16122117)
410978.80 3722935.26 9.27398 (16122117) 410998.80
3722935.26 9.26565 (16122117)
411018.80 3722935.26 9.25443 (16122117) 411038.80
3722935.26 9.23653 (16122117)
411058.80 3722935.26 9.21271 (16122117) 411078.80
3722935.26 9.18397 (16122117)
411098.80 3722935.26 9.15089 (16122117) 411118.80
3722935.26 9.11060 (16122117)
411138.80 3722935.26 9.06500 (16122117) 411158.80
3722935.26 9.01414 (16122117)
411178.80 3722935.26 8.95698 (16122117) 411198.80

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1   ***
                                   INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                  L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0000013   ,
                  L0000014   , L0000015   , L0000016   , L0000017   , L0000018
, L0000019   , L0000020   , L0000021   ,
                  L0000022   , L0000023   , L0000024   , L0000025   , L0000026
, L0000027   , L0000028   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                   **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        411218.80   3722935.26   8.82803 (16122117)   410498.80
3722955.26   7.92939 (16122117)
        410518.80   3722955.26   8.03221 (16122117)   410538.80
3722955.26   8.13563 (16122117)
        410558.80   3722955.26   8.23534 (16122117)   410578.80
3722955.26   8.33029 (16122117)
        410598.80   3722955.26   8.42072 (16122117)   410618.80
3722955.26   8.51095 (16122117)
        410638.80   3722955.26   8.59657 (16122117)   410658.80
3722955.26   8.67696 (16122117)
        410678.80   3722955.26   8.75199 (16122117)   410698.80
3722955.26   8.82666 (16122117)
        410718.80   3722955.26   8.89570 (16122117)   410738.80
3722955.26   8.95945 (16122117)
        410758.80   3722955.26   9.01709 (16122117)   410778.80
3722955.26   9.07066 (16122117)
        410798.80   3722955.26   9.11856 (16122117)   410818.80
3722955.26   9.16139 (16122117)
        410838.80   3722955.26   9.20109 (16122117)   410858.80
3722955.26   9.23512 (16122117)

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        410878.80   3722955.26        9.26382  (16122117)               410898.80
3722955.26        9.28686  (16122117)
        410918.80   3722955.26        9.30463  (16122117)               410938.80
3722955.26        9.31646  (16122117)
        410958.80   3722955.26        9.32309  (16122117)               410978.80
3722955.26        9.32374  (16122117)
        410998.80   3722955.26        9.31828  (16122117)               411018.80
3722955.26        9.30982  (16122117)
        411038.80   3722955.26        9.29437  (16122117)               411058.80
3722955.26        9.27137  (16122117)
        411078.80   3722955.26        9.24384  (16122117)               411098.80
3722955.26        9.21144  (16122117)
        411118.80   3722955.26        9.17279  (16122117)               411138.80
3722955.26        9.12859  (16122117)
        411158.80   3722955.26        9.07897  (16122117)               411178.80
3722955.26        9.02355  (16122117)
        411198.80   3722955.26        8.96271  (16122117)               411218.80
3722955.26        8.89752  (16122117)
        410498.80   3722975.26        7.92655  (16122117)               410518.80
3722975.26        8.03181  (16122117)
        410538.80   3722975.26        8.13703  (16122117)               410558.80
3722975.26        8.23886  (16122117)
        410578.80   3722975.26        8.33583  (16122117)               410598.80
3722975.26        8.42865  (16122117)
        410618.80   3722975.26        8.52096  (16122117)               410638.80
3722975.26        8.60892  (16122117)
        410658.80   3722975.26        8.69119  (16122117)               410678.80
3722975.26        8.76887  (16122117)
        410698.80   3722975.26        8.84539  (16122117)               410718.80
3722975.26        8.91656  (16122117)
        410738.80   3722975.26        8.98247  (16122117)               410758.80
3722975.26        9.04271  (16122117)
        410778.80   3722975.26        9.09883  (16122117)               410798.80
3722975.26        9.14835  (16122117)
        410818.80   3722975.26        9.19442  (16122117)               410838.80
3722975.26        9.23572  (16122117)
        410858.80   3722975.26        9.27167  (16122117)               410878.80
3722975.26        9.30254  (16122117)
        410898.80   3722975.26        9.32815  (16122117)               410918.80
3722975.26        9.34802  (16122117)
        410938.80   3722975.26        9.36200  (16122117)               410958.80
3722975.26        9.37066  (16122117)
        410978.80   3722975.26        9.37355  (16122117)               410998.80
3722975.26        9.37077  (16122117)
        411018.80   3722975.26        9.36433  (16122117)               411038.80
3722975.26        9.35075  (16122117)
        411058.80   3722975.26        9.32966  (16122117)               411078.80
3722975.26        9.30369  (16122117)
        411098.80   3722975.26        9.27244  (16122117)               411118.80
3722975.26        9.23547  (16122117)
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1 ***
INCLUDING SOURCE(S): L0000001 , L0000002
, L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010
, L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018
, L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026
, L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
413154.78	3727884.09	187.84216	(13012517)	413174.78	3727884.09	181.00076	(13012517)
413194.78	3727884.09	174.46111	(13012517)	413214.78	3727884.09	167.76255	(13012517)
413234.78	3727884.09	162.53323	(14110517)	413254.78	3727884.09	158.70824	(14110517)
413274.78	3727884.09	155.68787	(14110517)	413294.78	3727884.09	152.43643	(14110517)
413314.78	3727884.09	149.42956	(14110517)	413334.78	3727884.09	145.54410	(14110517)
413354.78	3727884.09	141.49515	(14110517)	413374.78			

3727884.09 138.77255 (12012417)
413394.78 3727884.09 135.70714 (12012417) 413414.78
3727884.09 132.11637 (12012417)
413434.78 3727884.09 129.12456 (12012417) 413454.78
3727884.09 125.93626 (12012417)
413474.78 3727884.09 122.71922 (12012417) 413494.78
3727884.09 119.59580 (12012417)
413514.78 3727884.09 116.58799 (12012417) 413534.78
3727884.09 113.39814 (12012417)
413554.78 3727884.09 110.42876 (12012417) 413574.78
3727884.09 107.07647 (12012417)
413594.78 3727884.09 104.11155 (12012417) 413614.78
3727884.09 100.99055 (12012417)
413634.78 3727884.09 98.13525 (12012417) 413654.78
3727884.09 95.12353 (12012417)
413674.78 3727884.09 92.64629 (15121517) 413694.78
3727884.09 91.36520 (15121517)
413714.78 3727884.09 90.10165 (15121517) 413734.78
3727884.09 88.87534 (15121517)
413054.78 3727904.09 230.12610 (13012517) 413074.78
3727904.09 221.47539 (13012517)
413094.78 3727904.09 213.56478 (13012517) 413114.78
3727904.09 206.50727 (13012517)
413134.78 3727904.09 199.23961 (13012517) 413154.78
3727904.09 191.57412 (13012517)
413174.78 3727904.09 183.75885 (13012517) 413194.78
3727904.09 176.55554 (13012517)
413214.78 3727904.09 169.26733 (13012517) 413234.78
3727904.09 165.22131 (14110517)
413254.78 3727904.09 161.14238 (14110517) 413274.78
3727904.09 157.29378 (14110517)
413294.78 3727904.09 153.96502 (14110517) 413314.78
3727904.09 150.46119 (14110517)
413334.78 3727904.09 146.44465 (12012417) 413354.78
3727904.09 142.91282 (12012417)
413374.78 3727904.09 140.13410 (12012417) 413394.78
3727904.09 136.81413 (12012417)
413414.78 3727904.09 132.98103 (12012417) 413434.78
3727904.09 129.72801 (12012417)
413454.78 3727904.09 126.28510 (12012417) 413474.78
3727904.09 122.84479 (12012417)
413494.78 3727904.09 119.49653 (12012417) 413514.78
3727904.09 116.29259 (12012417)
413534.78 3727904.09 112.89472 (12012417) 413554.78
3727904.09 109.49350 (12012417)
413574.78 3727904.09 106.23753 (12012417) 413594.78
3727904.09 103.12302 (12012417)
413614.78 3727904.09 99.85727 (12012417) 413634.78
3727904.09 97.48551 (15121517)
413654.78 3727904.09 96.04839 (15121517) 413674.78

3727904.09   94.69880 (15121517)
        413694.78   3727904.09   93.28631 (15121517)   413714.78
3727904.09   91.87268 (15121517)
        413734.78   3727904.09   90.50982 (15121517)   413054.78
3727924.09   236.24934 (13012517)
        413074.78   3727924.09   227.79602 (13012517)   413094.78
3727924.09   218.85947 (13012517)
        413114.78   3727924.09   211.09849 (13012517)   413134.78
3727924.09   203.14355 (13012517)
        413154.78   3727924.09   194.98339 (13012517)   413174.78
3727924.09   186.46319 (13012517)
        413194.78   3727924.09   178.21750 (13012517)   413214.78
3727924.09   171.62071 (14110517)
        413234.78   3727924.09   167.70433 (14110517)   413254.78
3727924.09   163.43266 (14110517)
        413274.78   3727924.09   158.66779 (14110517)   413294.78
3727924.09   155.02723 (14110517)
        413314.78   3727924.09   151.28679 (12012417)   413334.78
3727924.09   147.94956 (12012417)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1   ***
                                   INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                 L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0000013   ,
                 L0000014   , L0000015   , L0000016   , L0000017   , L0000018
, L0000019   , L0000020   , L0000021   ,
                 L0000022   , L0000023   , L0000024   , L0000025   , L0000026
, L0000027   , L0000028   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        413354.78   3727924.09   144.17936 (12012417)   413374.78
3727924.09   140.96441 (12012417)

413394.78 3727924.09 137.54915 (12012417) 413414.78 3727924.09 133.43729 (12012417)
413434.78 3727924.09 129.95747 (12012417) 413454.78 3727924.09 126.28497 (12012417)
413474.78 3727924.09 122.62444 (12012417) 413494.78 3727924.09 119.10253 (12012417)
413514.78 3727924.09 115.67940 (12012417) 413534.78 3727924.09 112.10907 (12012417)
413554.78 3727924.09 108.53297 (12012417) 413574.78 3727924.09 105.12534 (12012417)
413594.78 3727924.09 102.82637 (15121517) 413614.78 3727924.09 101.17415 (15121517)
413634.78 3727924.09 99.53110 (15121517) 413654.78 3727924.09 97.95983 (15121517)
413674.78 3727924.09 96.47342 (15121517) 413694.78 3727924.09 94.93050 (15121517)
413714.78 3727924.09 93.39985 (15121517) 413734.78 3727924.09 91.91365 (15121517)
413054.78 3727944.09 238.87866 (13012517) 413074.78 3727944.09 234.19621 (13012517)
413094.78 3727944.09 224.70319 (13012517) 413114.78 3727944.09 215.48393 (13012517)
413134.78 3727944.09 206.97516 (13012517) 413154.78 3727944.09 198.01413 (13012517)
413174.78 3727944.09 188.92178 (13012517) 413194.78 3727944.09 179.64928 (13012517)
413214.78 3727944.09 174.01447 (14110517) 413234.78 3727944.09 169.69333 (14110517)
413254.78 3727944.09 164.90283 (14110517) 413274.78 3727944.09 159.81337 (14110517)
413294.78 3727944.09 155.84188 (12012417) 413314.78 3727944.09 152.56239 (12012417)
413334.78 3727944.09 148.91927 (12012417) 413354.78 3727944.09 145.07110 (12012417)
413374.78 3727944.09 141.66274 (12012417) 413394.78 3727944.09 137.91592 (12012417)
413414.78 3727944.09 133.56801 (12012417) 413434.78 3727944.09 129.84081 (12012417)
413454.78 3727944.09 125.94985 (12012417) 413474.78 3727944.09 122.08634 (12012417)
413494.78 3727944.09 118.35747 (12012417) 413514.78 3727944.09 114.75004 (12012417)
413534.78 3727944.09 111.01371 (12012417) 413554.78 3727944.09 108.32378 (15121517)
413574.78 3727944.09 106.52981 (15121517) 413594.78 3727944.09 104.84358 (15121517)
413614.78 3727944.09 103.04718 (15121517) 413634.78 3727944.09 101.26458 (15121517)
413654.78 3727944.09 99.57524 (15121517) 413674.78 3727944.09 97.96810 (15121517)

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
413554.78	3727964.09	110.32275	(15121517)	413574.78	3727964.09	108.36883	(15121517)
413594.78	3727964.09	106.54208	(15121517)	413614.78	3727964.09	104.61595	(15121517)
413634.78	3727964.09	102.71885	(15121517)	413654.78	3727964.09	100.90686	(15121517)
413674.78	3727964.09	99.17328	(15121517)	413694.78	3727964.09	97.38295	(15121517)
413714.78	3727964.09	95.61030	(15121517)	413734.78	3727964.09	93.91863	(15121517)
413054.78	3727984.09	252.81483	(13012517)	413074.78	3727984.09	243.33015	(13012517)
413094.78	3727984.09	236.30234	(13012517)	413114.78	3727984.09	224.61933	(13012517)
413134.78	3727984.09	213.19489	(13012517)	413154.78	3727984.09	202.81046	(13012517)
413174.78	3727984.09	192.13965	(13012517)	413194.78	3727984.09	183.64648	(14110517)
413214.78	3727984.09	177.13865	(14110517)	413234.78	3727984.09	171.73898	(14110517)
413254.78	3727984.09	167.49173	(12012417)	413274.78	3727984.09	163.45118	(12012417)
413294.78	3727984.09	160.04095	(12012417)	413314.78	3727984.09	155.60712	(12012417)
413334.78	3727984.09	150.98813	(12012417)	413354.78	3727984.09	146.42411	(12012417)
413374.78	3727984.09	141.89512	(12012417)	413394.78	3727984.09	137.40798	(12012417)
413414.78	3727984.09	132.74481	(12012417)	413434.78	3727984.09	128.55722	(12012417)
413454.78	3727984.09	124.31709	(12012417)	413474.78	3727984.09	121.00293	(15121517)
413494.78	3727984.09	118.70324	(15121517)	413514.78	3727984.09	116.48290	(15121517)
413534.78	3727984.09	114.26998	(15121517)	413554.78	3727984.09	112.09664	(15121517)
413574.78	3727984.09	109.99084	(15121517)	413594.78	3727984.09	107.94774	(15121517)
413614.78	3727984.09	105.87759	(15121517)	413634.78	3727984.09	103.84645	(15121517)
413654.78	3727984.09	101.93405	(15121517)	413674.78	3727984.09	100.08077	(15121517)
413694.78	3727984.09	98.17635	(15121517)	413714.78			

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3727984.09       96.29060  (15121517)
        413734.78   3727984.09       94.49498  (15121517)                413114.78
3728004.09      228.51540  (13012517)
        413134.78   3728004.09      215.60269  (13012517)                413154.78
3728004.09      204.08344  (13012517)
        413174.78   3728004.09      192.78530  (13012517)                413194.78
3728004.09      185.52114  (14110517)
        413214.78   3728004.09      178.70116  (14110517)                413234.78
3728004.09      173.52845  (12012417)
        413254.78   3728004.09      169.25478  (12012417)                413274.78
3728004.09      164.90313  (12012417)
        413294.78   3728004.09      160.86481  (12012417)                413314.78
3728004.09      155.87809  (12012417)
        413334.78   3728004.09      150.98741  (12012417)                413354.78
3728004.09      146.11871  (12012417)
        413374.78   3728004.09      141.31969  (12012417)                413394.78
3728004.09      136.60695  (12012417)
        413414.78   3728004.09      131.84212  (12012417)                413434.78
3728004.09      128.02797  (15121517)
        413454.78   3728004.09      125.40379  (15121517)                413474.78
3728004.09      122.83832  (15121517)
        413494.78   3728004.09      120.39386  (15121517)                413514.78
3728004.09      118.07115  (15121517)
        413534.78   3728004.09      115.69685  (15121517)                413554.78
3728004.09      113.35438  (15121517)
        413574.78   3728004.09      111.09427  (15121517)                413594.78
3728004.09      109.00068  (15121517)
        413614.78   3728004.09      106.82208  (15121517)                413634.78
3728004.09      104.67905  (15121517)
        413654.78   3728004.09      102.65743  (15121517)                413674.78
3728004.09      100.69332  (15121517)
        413694.78   3728004.09       98.70602  (15121517)                413714.78
3728004.09       96.87380  (15103017)
        413734.78   3728004.09       95.22302  (15103017)                413114.78
3728024.09      231.42505  (13012517)
        413134.78   3728024.09      217.54656  (13012517)                413154.78
3728024.09      204.47929  (13012517)
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                          ***        16:48:31

                                     PAGE 460
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SRCGP1   ***
                                     INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
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, L0000011    , L0000012    , L0000013    ,
                L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)             X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        413174.78   3728024.09      193.52725  (14110517)               413194.78
3728024.09      186.76932  (12012417)
        413214.78   3728024.09      180.93063  (12012417)               413234.78
3728024.09      174.86180  (12012417)
        413254.78   3728024.09      170.21163  (12012417)               413274.78
3728024.09      165.61045  (12012417)
        413294.78   3728024.09      161.09600  (12012417)               413314.78
3728024.09      155.86458  (12012417)
        413334.78   3728024.09      150.66590  (12012417)               413354.78
3728024.09      145.53947  (12012417)
        413374.78   3728024.09      140.50186  (12012417)               413394.78
3728024.09      135.81821  (15121517)
        413414.78   3728024.09      132.80201  (15121517)               413434.78
3728024.09      129.89680  (15121517)
        413454.78   3728024.09      127.07792  (15121517)               413474.78
3728024.09      124.34923  (15121517)
        413494.78   3728024.09      121.77911  (15121517)               413514.78
3728024.09      119.32677  (15121517)
        413534.78   3728024.09      116.80916  (15121517)               413554.78
3728024.09      114.33122  (15121517)
        413574.78   3728024.09      111.94186  (15121517)               413594.78
3728024.09      109.75088  (15121517)
        413614.78   3728024.09      107.46916  (15121517)               413634.78
3728024.09      105.22096  (15121517)
        413654.78   3728024.09      103.33530  (15103017)               413674.78
3728024.09      101.54925  (15103017)
        413694.78   3728024.09       99.73427  (15103017)               413714.78
3728024.09       97.93973  (15103017)
        413734.78   3728024.09       96.19401  (15103017)               413114.78
3728044.09      232.68798  (13012517)
        413134.78   3728044.09      218.62324  (13012517)               413154.78
3728044.09      204.47442  (13012517)
        413174.78   3728044.09      194.68773  (12012417)               413194.78
3728044.09      188.51086  (12012417)
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        413214.78   3728044.09      182.31467  (12012417)                413234.78
3728044.09      175.90445  (12012417)
        413254.78   3728044.09      170.65902  (12012417)                413274.78
3728044.09      165.78710  (12012417)
        413294.78   3728044.09      160.86643  (12012417)                413314.78
3728044.09      155.34253  (12012417)
        413334.78   3728044.09      149.82408  (12012417)                413354.78
3728044.09      144.40729  (12012417)
        413374.78   3728044.09      140.77255  (15121517)                413394.78
3728044.09      137.49266  (15121517)
        413414.78   3728044.09      134.28261  (15121517)                413434.78
3728044.09      131.33941  (15121517)
        413454.78   3728044.09      128.40369  (15121517)                413474.78
3728044.09      125.53256  (15121517)
        413494.78   3728044.09      122.82625  (15121517)                413514.78
3728044.09      120.24441  (15121517)
        413534.78   3728044.09      117.59995  (15121517)                413554.78
3728044.09      115.00817  (15121517)
        413574.78   3728044.09      112.56016  (15103017)                413594.78
3728044.09      110.54114  (15103017)
        413614.78   3728044.09      108.41949  (15103017)                413634.78
3728044.09      106.34186  (15103017)
        413654.78   3728044.09      104.39172  (15103017)                413674.78
3728044.09      102.51122  (15103017)
        413694.78   3728044.09      100.60282  (15103017)                413714.78
3728044.09       98.71691  (15103017)
        413734.78   3728044.09       96.89257  (15103017)                413134.78
3728064.09      218.69529  (13012517)
        413154.78   3728064.09      204.16384  (13012517)                413174.78
3728064.09      195.74902  (12012417)
        413194.78   3728064.09      189.41929  (12012417)                413214.78
3728064.09      182.98162  (12012417)
        413234.78   3728064.09      176.30459  (12012417)                413254.78
3728064.09      170.69779  (12012417)
        413274.78   3728064.09      165.41899  (12012417)                413294.78
3728064.09      160.16769  (12012417)
        413314.78   3728064.09      154.36672  (12012417)                413334.78
3728064.09      150.18633  (16110917)
        413354.78   3728064.09      146.29404  (16110917)                413374.78
3728064.09      142.60965  (16110917)
        413394.78   3728064.09      139.10762  (16110917)                413414.78
3728064.09      135.66896  (16110917)
        413434.78   3728064.09      132.57882  (16110917)                413454.78
3728064.09      129.52145  (16110917)
        413474.78   3728064.09      126.56839  (16110917)                413494.78
3728064.09      123.80134  (16110917)
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                        ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        16:48:31
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SRCGP1 ***

INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
413514.78	3728064.09	121.17250	(16110917)	413534.78	3728064.09	118.53720	(16110917)
413554.78	3728064.09	116.01348	(15103017)	413574.78	3728064.09	113.70711	(15103017)
413594.78	3728064.09	111.56609	(15103017)	413614.78	3728064.09	109.34752	(15103017)
413634.78	3728064.09	107.23487	(15103017)	413654.78	3728064.09	105.19561	(15103017)
413674.78	3728064.09	103.18223	(15103017)	413694.78	3728064.09	101.19523	(15103017)
413714.78	3728064.09	99.24842	(15103017)	413734.78	3728064.09	97.34638	(15103017)
413134.78	3728084.09	217.02942	(13012517)	413154.78	3728084.09	205.17253	(12012417)
413174.78	3728084.09	196.49573	(12012417)	413194.78	3728084.09	189.49728	(12012417)
413214.78	3728084.09	183.16604	(12012417)	413234.78	3728084.09	176.08076	(12012417)
413254.78	3728084.09	170.21732	(12012417)	413274.78	3728084.09	165.18878	(16110917)
413294.78	3728084.09	161.13641	(16110917)	413314.78	3728084.09	156.70579	(16110917)
413334.78	3728084.09	152.45687	(16110917)	413354.78	3728084.09	148.42278	(16110917)
413374.78	3728084.09	144.57477	(16110917)	413394.78			

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3728084.09      140.92617  (16110917)
        413414.78   3728084.09      137.34712  (16110917)              413434.78
3728084.09      134.13077  (16110917)
        413454.78   3728084.09      130.96202  (16110917)              413474.78
3728084.09      127.89609  (16110917)
        413494.78   3728084.09      125.00779  (16110917)              413514.78
3728084.09      122.27725  (16110917)
        413534.78   3728084.09      119.54496  (16110917)              413554.78
3728084.09      116.90410  (15103017)
        413574.78   3728084.09      114.49792  (15103017)              413594.78
3728084.09      112.25585  (15103017)
        413614.78   3728084.09      110.02890  (15103017)              413634.78
3728084.09      107.81444  (15103017)
        413654.78   3728084.09      105.62750  (15103017)              413674.78
3728084.09      103.52045  (15103017)
        413694.78   3728084.09      101.44295  (15103017)              413714.78
3728084.09       99.40062  (15103017)
        413734.78   3728084.09       97.43869  (15103017)              413134.78
3728104.09      211.63831  (13012517)
        413154.78   3728104.09      205.48337  (12012417)              413174.78
3728104.09      197.01027  (12012417)
        413194.78   3728104.09      188.87269  (12012417)              413214.78
3728104.09      182.77430  (16110917)
        413234.78   3728104.09      176.82395  (16110917)              413254.78
3728104.09      172.15132  (16110917)
        413274.78   3728104.09      167.58333  (16110917)              413294.78
3728104.09      163.28576  (16110917)
        413314.78   3728104.09      158.68570  (16110917)              413334.78
3728104.09      154.30165  (16110917)
        413354.78   3728104.09      150.12973  (16110917)              413374.78
3728104.09      146.13861  (16110917)
        413394.78   3728104.09      142.34202  (16110917)              413414.78
3728104.09      138.66081  (16110917)
        413434.78   3728104.09      135.33668  (16110917)              413454.78
3728104.09      132.05844  (16110917)
        413474.78   3728104.09      128.88946  (16110917)              413494.78
3728104.09      125.89092  (16110917)
        413514.78   3728104.09      123.05443  (16110917)              413534.78
3728104.09      120.22593  (16110917)
        413554.78   3728104.09      117.47911  (16110917)              413574.78
3728104.09      114.99082  (15103017)
        413594.78   3728104.09      112.61990  (15103017)              413614.78
3728104.09      110.32572  (15103017)
        413634.78   3728104.09      107.98582  (15103017)              413654.78
3728104.09      105.69212  (15103017)
        413674.78   3728104.09      103.55623  (15103017)              413694.78
3728104.09      101.40299  (15103017)
        413714.78   3728104.09       99.28538  (15103017)              413734.78
3728104.09       97.28814  (15103017)
        413174.78   3728124.09      199.04094  (16110917)              413194.78
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3728124.09   191.30745 (16110917)
        413214.78   3728124.09   184.79818 (16110917)   413234.78
3728124.09   179.47377 (16110917)
        413254.78   3728124.09   174.31539 (16110917)   413274.78
3728124.09   169.67364 (16110917)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1   ***
                                   INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                 L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0000013   ,
                 L0000014   , L0000015   , L0000016   , L0000017   , L0000018
, L0000019   , L0000020   , L0000021   ,
                 L0000022   , L0000023   , L0000024   , L0000025   , L0000026
, L0000027   , L0000028   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        413294.78   3728124.09   164.98844 (16110917)   413314.78
3728124.09   160.23440 (16110917)
        413334.78   3728124.09   155.68032 (16110917)   413354.78
3728124.09   151.37033 (16110917)
        413374.78   3728124.09   147.27140 (16110917)   413394.78
3728124.09   143.39184 (16110917)
        413414.78   3728124.09   139.63119 (16110917)   413434.78
3728124.09   136.19010 (16110917)
        413454.78   3728124.09   132.81131 (16110917)   413474.78
3728124.09   129.55181 (16110917)
        413494.78   3728124.09   126.43240 (16110917)   413514.78
3728124.09   123.50584 (16110917)
        413534.78   3728124.09   120.59163 (16110917)   413554.78
3728124.09   117.76526 (16110917)
        413574.78   3728124.09   115.18279 (15103017)   413594.78
3728124.09   112.73574 (15103017)

413614.78 3728124.09 110.28203 (15103017) 413634.78 3728124.09 107.83275 (15103017)
413654.78 3728124.09 105.53810 (15103017) 413674.78 3728124.09 103.32428 (15103017)
413694.78 3728124.09 101.10076 (15103017) 413714.78 3728124.09 98.91745 (15103017)
413734.78 3728124.09 96.84206 (15103017) 413174.78 3728144.09 201.23524 (16110917)
413194.78 3728144.09 193.73729 (16110917) 413214.78 3728144.09 186.68757 (16110917)
413234.78 3728144.09 181.30136 (16110917) 413254.78 3728144.09 175.94354 (16110917)
413274.78 3728144.09 171.40407 (16110917) 413294.78 3728144.09 166.25154 (16110917)
413314.78 3728144.09 161.36043 (16110917) 413334.78 3728144.09 156.71043 (16110917)
413354.78 3728144.09 152.28496 (16110917) 413374.78 3728144.09 148.11433 (16110917)
413394.78 3728144.09 144.14006 (16110917) 413414.78 3728144.09 140.24549 (16110917)
413434.78 3728144.09 136.70544 (16110917) 413454.78 3728144.09 133.23307 (16110917)
413474.78 3728144.09 129.87986 (16110917) 413494.78 3728144.09 126.66757 (16110917)
413514.78 3728144.09 123.63876 (16110917) 413534.78 3728144.09 120.63428 (16110917)
413554.78 3728144.09 117.72106 (16110917) 413574.78 3728144.09 115.05459 (15103017)
413594.78 3728144.09 112.47608 (15103017) 413614.78 3728144.09 109.89711 (15103017)
413634.78 3728144.09 107.41926 (15103017) 413654.78 3728144.09 105.07629 (15103017)
413674.78 3728144.09 102.78841 (15103017) 413694.78 3728144.09 100.50571 (15103017)
413714.78 3728144.09 98.25650 (15103017) 413734.78 3728144.09 96.10889 (15103017)
413174.78 3728164.09 200.62657 (16110917) 413194.78 3728164.09 195.15538 (16110917)
413214.78 3728164.09 188.08939 (16110917) 413234.78 3728164.09 182.09198 (16110917)
413254.78 3728164.09 177.02494 (16110917) 413274.78 3728164.09 172.40067 (16110917)
413294.78 3728164.09 167.09422 (16110917) 413314.78 3728164.09 162.03600 (16110917)
413334.78 3728164.09 157.36770 (16110917) 413354.78 3728164.09 152.87677 (16110917)
413374.78 3728164.09 148.59410 (16110917) 413394.78 3728164.09 144.52248 (16110917)
413414.78 3728164.09 140.52946 (16110917) 413434.78 3728164.09 136.88643 (16110917)

3728184.09 167.55381 (16110917)
413314.78 3728184.09 162.23939 (16110917) 413334.78
3728184.09 157.61994 (16110917)
413354.78 3728184.09 153.09601 (16110917) 413374.78
3728184.09 148.71924 (16110917)
413394.78 3728184.09 144.53946 (16110917) 413414.78
3728184.09 140.49300 (16110917)
413434.78 3728184.09 136.74500 (16110917) 413454.78
3728184.09 133.08992 (16110917)
413474.78 3728184.09 129.55849 (16110917) 413494.78
3728184.09 126.15485 (16110917)
413514.78 3728184.09 122.91923 (16110917) 413534.78
3728184.09 119.82314 (16110917)
413554.78 3728184.09 116.77344 (16110917) 413574.78
3728184.09 113.79381 (16110917)
413594.78 3728184.09 110.93249 (15103017) 413614.78
3728184.09 108.29762 (15103017)
413634.78 3728184.09 105.72293 (15103017) 413654.78
3728184.09 103.21031 (15103017)
413674.78 3728184.09 101.05982 (15111017) 413694.78
3728184.09 99.10731 (15111017)
413714.78 3728184.09 97.19729 (15111017) 413734.78
3728184.09 95.35844 (15111017)
413174.78 3728204.09 196.29403 (16110917) 413194.78
3728204.09 193.51409 (16110917)
413214.78 3728204.09 190.16589 (16110917) 413234.78
3728204.09 183.75770 (16110917)
413254.78 3728204.09 177.90321 (16110917) 413274.78
3728204.09 173.04808 (16110917)
413294.78 3728204.09 167.31792 (16110917) 413314.78
3728204.09 162.41751 (16110917)
413334.78 3728204.09 157.61470 (16110917) 413354.78
3728204.09 152.94578 (16110917)
413374.78 3728204.09 148.49439 (16110917) 413394.78
3728204.09 144.24404 (16110917)
413414.78 3728204.09 140.11947 (16110917) 413434.78
3728204.09 136.27314 (16110917)
413454.78 3728204.09 132.52910 (16110917) 413474.78
3728204.09 128.91247 (16110917)
413494.78 3728204.09 125.44907 (16110917) 413514.78
3728204.09 122.10918 (16110917)
413534.78 3728204.09 118.91511 (16110917) 413554.78
3728204.09 115.76358 (16110917)
413574.78 3728204.09 112.83420 (16011117) 413594.78
3728204.09 110.45008 (16011117)
413614.78 3728204.09 108.15800 (16011117) 413634.78
3728204.09 105.92422 (16011117)
413654.78 3728204.09 103.76827 (16011117) 413674.78
3728204.09 101.70693 (16011117)
413694.78 3728204.09 99.68729 (16011117) 413714.78

3728204.09   97.73003 (16011117)
        413734.78   3728204.09   95.84950 (16011117)   413234.78
3728224.09   184.37255 (16110917)
        413254.78   3728224.09   177.83565 (16110917)   413274.78
3728224.09   172.22807 (16110917)
        413294.78   3728224.09   167.16829 (16110917)   413314.78
3728224.09   162.24798 (16110917)
        413334.78   3728224.09   157.27583 (16110917)   413354.78
3728224.09   152.51033 (16110917)
        413374.78   3728224.09   147.97795 (16110917)   413394.78
3728224.09   143.64125 (16110917)
        413414.78   3728224.09   139.41419 (16110917)   413434.78
3728224.09   135.48139 (16110917)
        413454.78   3728224.09   131.64434 (16110917)   413474.78
3728224.09   127.94781 (16110917)
        413494.78   3728224.09   124.39972 (16011117)   413514.78
3728224.09   121.59454 (16011117)
        413534.78   3728224.09   118.85817 (16011117)   413554.78
3728224.09   116.18710 (16011117)
        413574.78   3728224.09   113.65764 (16011117)   413594.78
3728224.09   111.25587 (16011117)
        413614.78   3728224.09   108.94359 (16011117)   413634.78
3728224.09   106.67908 (16011117)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1   ***
                                    INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                 L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0000013   ,
                 L0000014   , L0000015   , L0000016   , L0000017   , L0000018
, L0000019   , L0000020   , L0000021   ,
                 L0000022   , L0000023   , L0000024   , L0000025   , L0000026
, L0000027   , L0000028   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)

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 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
        413654.78   3728224.09      104.48010  (16011117)                413674.78
3728224.09      102.38912  (16011117)
        413694.78   3728224.09      100.35065  (16011117)                413714.78
3728224.09       98.37126  (16011117)
        413734.78   3728224.09       96.45195  (16011117)                413234.78
3728244.09      184.05291  (16110917)
        413254.78   3728244.09      178.18630  (16110917)                413274.78
3728244.09      171.99855  (16110917)
        413294.78   3728244.09      166.79366  (16110917)                413314.78
3728244.09      161.71682  (16110917)
        413334.78   3728244.09      156.61990  (16110917)                413354.78
3728244.09      151.77694  (16110917)
        413374.78   3728244.09      147.13801  (16110917)                413394.78
3728244.09      142.69199  (16110917)
        413414.78   3728244.09      138.37512  (16110917)                413434.78
3728244.09      134.36311  (16011117)
        413454.78   3728244.09      131.12717  (16011117)                413474.78
3728244.09      128.02177  (16011117)
        413494.78   3728244.09      125.04867  (16011117)                413514.78
3728244.09      122.17918  (16011117)
        413534.78   3728244.09      119.38195  (16011117)                413554.78
3728244.09      116.72070  (16011117)
        413574.78   3728244.09      114.20190  (16011117)                413594.78
3728244.09      111.76306  (16011117)
        413614.78   3728244.09      109.41451  (16011117)                413634.78
3728244.09      107.11187  (16011117)
        413654.78   3728244.09      104.90103  (16011117)                413674.78
3728244.09      102.78478  (16011117)
        413694.78   3728244.09      100.71602  (16011117)                413714.78
3728244.09       98.69757  (16011117)
        413734.78   3728244.09       96.75504  (16011117)                413234.78
3728264.09      180.31830  (16110917)
        413254.78   3728264.09      177.89197  (16110917)                413274.78
3728264.09      171.82315  (16110917)
        413294.78   3728264.09      165.93208  (16110917)                413314.78
3728264.09      160.79026  (16110917)
        413334.78   3728264.09      155.79683  (12102617)                413354.78
3728264.09      151.11632  (12102617)
        413374.78   3728264.09      146.67136  (12102617)                413394.78
3728264.09      142.43951  (12102617)
        413414.78   3728264.09      138.36622  (12102617)                413434.78
3728264.09      134.75121  (13122317)
        413454.78   3728264.09      131.47471  (13122317)                413474.78
3728264.09      128.38199  (13122317)
        413494.78   3728264.09      125.38630  (13122317)                413514.78
3728264.09      122.46052  (13122317)
        413534.78   3728264.09      119.65517  (13122317)                413554.78
3728264.09      117.00726  (13122317)
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        413574.78   3728264.09      114.45355  (13122317)                413594.78
3728264.09      112.00046  (13122317)
        413614.78   3728264.09      109.59116  (13122317)                413634.78
3728264.09      107.34888  (15011417)
        413654.78   3728264.09      105.21321  (15011417)                413674.78
3728264.09      103.14738  (15011417)
        413694.78   3728264.09      101.12079  (15011417)                413714.78
3728264.09       99.14709  (15011417)
        413734.78   3728264.09       97.25586  (15011417)                413234.78
3728284.09      179.40695  (12102617)
        413254.78   3728284.09      175.61120  (12102617)                413274.78
3728284.09      172.40166  (12102617)
        413294.78   3728284.09      166.87394  (12102617)                413314.78
3728284.09      161.55308  (12102617)
        413334.78   3728284.09      156.74871  (12102617)                413354.78
3728284.09      152.18065  (12102617)
        413374.78   3728284.09      147.77186  (12102617)                413394.78
3728284.09      143.59768  (12102617)
        413414.78   3728284.09      139.63020  (12102617)                413434.78
3728284.09      135.87577  (12102617)
        413454.78   3728284.09      132.28897  (12102617)                413474.78
3728284.09      129.08621  (13122317)
        413494.78   3728284.09      126.06686  (13122317)                413514.78
3728284.09      123.15551  (13122317)
        413534.78   3728284.09      120.37750  (13122317)                413554.78
3728284.09      117.71106  (13122317)
        413574.78   3728284.09      115.16049  (13122317)                413594.78
3728284.09      112.67683  (13122317)
        413614.78   3728284.09      110.25877  (13122317)                413634.78
3728284.09      107.95775  (13122317)
        413654.78   3728284.09      105.73281  (13122317)                413674.78
3728284.09      103.60062  (15011417)
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                         ***        16:48:31

                                    PAGE 465
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SRCGP1   ***
                                    INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                 L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                 L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,
```

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
413694.78	3728284.09	101.57085	(15011417)	413714.78	3728284.09	99.59566	(15011417)
413734.78	3728284.09	97.68768	(15011417)	413254.78	3728304.09	174.33072	(12102617)
413274.78	3728304.09	169.96699	(12102617)	413294.78	3728304.09	167.47208	(12102617)
413314.78	3728304.09	162.35418	(12102617)	413334.78	3728304.09	157.51164	(12102617)
413354.78	3728304.09	152.93105	(12102617)	413374.78	3728304.09	148.59685	(12102617)
413394.78	3728304.09	144.47116	(12102617)	413414.78	3728304.09	140.55012	(12102617)
413434.78	3728304.09	136.83014	(12102617)	413454.78	3728304.09	133.28146	(12102617)
413474.78	3728304.09	129.89950	(12102617)	413494.78	3728304.09	126.64610	(12102617)
413514.78	3728304.09	123.56836	(13122317)	413534.78	3728304.09	120.79106	(13122317)
413554.78	3728304.09	118.11936	(13122317)	413574.78	3728304.09	115.55643	(13122317)
413594.78	3728304.09	113.06397	(13122317)	413614.78	3728304.09	110.66081	(13122317)
413634.78	3728304.09	108.35555	(13122317)	413654.78	3728304.09	106.12300	(13122317)
413674.78	3728304.09	103.96718	(13122317)	413694.78	3728304.09	101.87587	(13122317)
413714.78	3728304.09	99.84957	(13122317)	413734.78	3728304.09	97.88894	(13122317)
413254.78	3728324.09	178.48524	(12102617)	413274.78	3728324.09	170.06886	(12102617)
413294.78	3728324.09	163.49085	(12102617)	413314.78	3728324.09	162.37036	(12102617)
413334.78	3728324.09	157.91729	(12102617)	413354.78	3728324.09	153.38021	(12102617)
413374.78	3728324.09	149.10355	(12102617)	413394.78	3728324.09	145.03762	(12102617)
413414.78	3728324.09	141.17476	(12102617)	413434.78	3728324.09	137.49024	(12102617)
413454.78	3728324.09	133.97261	(12102617)	413474.78			

3728324.09   130.60448 (12102617)
        413494.78   3728324.09   127.38506 (12102617)   413514.78
3728324.09   124.30594 (12102617)
        413534.78   3728324.09   121.34447 (12102617)   413554.78
3728324.09   118.50007 (12102617)
        413574.78   3728324.09   115.76445 (12102617)   413594.78
3728324.09   113.16034 (13122317)
        413614.78   3728324.09   110.76306 (13122317)   413634.78
3728324.09   108.44784 (13122317)
        413654.78   3728324.09   106.20856 (13122317)   413674.78
3728324.09   104.04219 (13122317)
        413694.78   3728324.09   101.94854 (13122317)   413714.78
3728324.09   99.91876 (13122317)
        413734.78   3728324.09   97.95506 (13122317)   413254.78
3728344.09   178.68150 (12102617)
        413274.78   3728344.09   172.99813 (12102617)   413294.78
3728344.09   166.63935 (12102617)
        413314.78   3728344.09   158.89987 (12102617)   413334.78
3728344.09   155.43410 (12102617)
        413354.78   3728344.09   153.35506 (12102617)   413374.78
3728344.09   149.37440 (12102617)
        413394.78   3728344.09   145.33124 (12102617)   413414.78
3728344.09   141.49333 (12102617)
        413434.78   3728344.09   137.84372 (12102617)   413454.78
3728344.09   134.36119 (12102617)
        413474.78   3728344.09   131.02376 (12102617)   413494.78
3728344.09   127.84653 (12102617)
        413514.78   3728344.09   124.76378 (12102617)   413534.78
3728344.09   121.81846 (12102617)
        413554.78   3728344.09   118.99510 (12102617)   413574.78
3728344.09   116.28220 (12102617)
        413594.78   3728344.09   113.66631 (12102617)   413614.78
3728344.09   111.15904 (12102617)
        413634.78   3728344.09   108.73652 (12102617)   413654.78
3728344.09   106.39667 (12102617)
        413674.78   3728344.09   104.13659 (12102617)   413694.78
3728344.09   101.95850 (12102617)
        413714.78   3728344.09   99.84537 (12102617)   413734.78
3728344.09   97.46855 (12102617)
        413254.78   3728364.09   178.46964 (12102617)   413274.78
3728364.09   172.79242 (12102617)

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: SRCGP1   ***
                                INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                 L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0000013   ,
                 L0000014   , L0000015   , L0000016   , L0000017   , L0000018
, L0000019   , L0000020   , L0000021   ,
                 L0000022   , L0000023   , L0000024   , L0000025   , L0000026
, L0000027   , L0000028   , . . .   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        413294.78   3728364.09   167.19691 (12102617)   413314.78
3728364.09   162.42632 (12102617)
        413334.78   3728364.09   156.87525 (12102617)   413354.78
3728364.09   150.78635 (12102617)
        413374.78   3728364.09   146.19331 (12102617)   413394.78
3728364.09   143.16470 (12102617)
        413414.78   3728364.09   140.36538 (12102617)   413434.78
3728364.09   137.21979 (12102617)
        413454.78   3728364.09   133.84406 (12102617)   413474.78
3728364.09   130.86167 (12102617)
        413494.78   3728364.09   127.79991 (12102617)   413514.78
3728364.09   124.17761 (12102617)
        413534.78   3728364.09   121.22729 (12102617)   413554.78
3728364.09   118.36796 (12102617)
        413574.78   3728364.09   115.60915 (12102617)   413594.78
3728364.09   112.95991 (12102617)
        413614.78   3728364.09   110.40375 (12102617)   413634.78
3728364.09   107.95511 (12102617)
        413654.78   3728364.09   105.57891 (12102617)   413674.78
3728364.09   103.16871 (12102617)
        413694.78   3728364.09   100.83231 (12102617)   413714.78
3728364.09   98.92098 (12102617)
        413734.78   3728364.09   97.57082 (16110217)   413254.78
3728384.09   178.29202 (12102617)
        413274.78   3728384.09   172.56758 (12102617)   413294.78
3728384.09   166.93948 (12102617)
        413314.78   3728384.09   162.18375 (12102617)   413334.78
3728384.09   157.76734 (12102617)
        413354.78   3728384.09   153.31398 (12102617)   413374.78
3728384.09   148.88940 (12102617)

413394.78 3728384.09 144.51218 (12102617) 413414.78
3728384.09 140.39007 (12102617)
413434.78 3728384.09 136.63622 (12102617) 413454.78
3728384.09 133.25478 (12102617)
413474.78 3728384.09 130.64659 (12102617) 413494.78
3728384.09 127.60117 (12102617)
413514.78 3728384.09 124.10531 (12102617) 413534.78
3728384.09 121.31695 (12102617)
413554.78 3728384.09 118.65342 (12102617) 413574.78
3728384.09 116.08188 (12102617)
413594.78 3728384.09 113.57866 (12102617) 413614.78
3728384.09 111.16809 (16110217)
413634.78 3728384.09 108.91238 (16110217) 413654.78
3728384.09 106.73717 (16110217)
413674.78 3728384.09 104.67268 (16110217) 413694.78
3728384.09 102.65968 (16110217)
413714.78 3728384.09 100.63572 (16110217) 413734.78
3728384.09 98.65506 (16110217)
413254.78 3728404.09 178.05190 (12102617) 413274.78
3728404.09 172.21572 (12102617)
413294.78 3728404.09 166.79078 (12102617) 413314.78
3728404.09 161.57019 (12102617)
413334.78 3728404.09 157.27086 (12102617) 413354.78
3728404.09 152.89217 (12102617)
413374.78 3728404.09 148.63320 (12102617) 413394.78
3728404.09 144.50056 (12102617)
413414.78 3728404.09 140.76754 (12102617) 413434.78
3728404.09 137.34243 (12102617)
413454.78 3728404.09 133.94628 (12102617) 413474.78
3728404.09 130.58937 (12102617)
413494.78 3728404.09 127.42550 (12102617) 413514.78
3728404.09 124.50375 (12102617)
413534.78 3728404.09 121.60191 (12102617) 413554.78
3728404.09 118.83626 (12102617)
413574.78 3728404.09 116.27649 (16110217) 413594.78
3728404.09 113.79214 (16110217)
413614.78 3728404.09 111.41683 (16110217) 413634.78
3728404.09 109.09003 (16110217)
413654.78 3728404.09 106.86134 (16110217) 413674.78
3728404.09 104.70123 (16110217)
413694.78 3728404.09 102.63149 (16110217) 413714.78
3728404.09 100.58081 (16110217)
413734.78 3728404.09 98.61445 (16110217) 413294.78
3728424.09 166.19980 (12102617)
413314.78 3728424.09 161.01443 (12102617) 413334.78
3728424.09 156.33809 (12102617)
413354.78 3728424.09 152.13539 (12102617) 413374.78
3728424.09 147.94277 (12102617)
413394.78 3728424.09 143.83971 (12102617) 413414.78
3728424.09 139.99985 (12102617)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1   ***
                                   INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                  L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0000013   ,
                  L0000014   , L0000015   , L0000016   , L0000017   , L0000018
, L0000019   , L0000020   , L0000021   ,
                  L0000022   , L0000023   , L0000024   , L0000025   , L0000026
, L0000027   , L0000028   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        413434.78   3728424.09   136.62897 (12102617)   413454.78
3728424.09   133.23464 (12102617)
        413474.78   3728424.09   129.91187 (15011517)   413494.78
3728424.09   126.78495 (15011517)
        413514.78   3728424.09   123.85303 (15011517)   413534.78
3728424.09   120.97166 (15011517)
        413554.78   3728424.09   118.21255 (16110217)   413574.78
3728424.09   115.67791 (16110217)
        413594.78   3728424.09   113.22877 (16110217)   413614.78
3728424.09   110.86408 (16110217)
        413634.78   3728424.09   108.58591 (16110217)   413654.78
3728424.09   106.38962 (16110217)
        413674.78   3728424.09   104.27977 (16110217)   413694.78
3728424.09   102.26888 (16110217)
        413714.78   3728424.09   100.28798 (16110217)   413734.78
3728424.09   98.35051 (16110217)
        413294.78   3728444.09   165.44554 (14112117)   413314.78
3728444.09   160.25006 (14112117)
        413334.78   3728444.09   155.28158 (12102617)   413354.78
3728444.09   151.01810 (12102617)
        413374.78   3728444.09   147.03786 (14120417)   413394.78

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3728444.09      143.18035  (15011517)
        413414.78   3728444.09      139.48143  (15011517)                413434.78
3728444.09      136.43290  (15011517)
        413454.78   3728444.09      133.26593  (15011517)                413474.78
3728444.09      130.13900  (15011517)
        413494.78   3728444.09      127.03867  (15011517)                413514.78
3728444.09      124.18047  (15011517)
        413534.78   3728444.09      121.40183  (15011517)                413554.78
3728444.09      118.70307  (15011517)
        413574.78   3728444.09      116.07396  (15011517)                413594.78
3728444.09      113.54574  (15011517)
        413614.78   3728444.09      111.08492  (15011517)                413634.78
3728444.09      108.69171  (15011517)
        413654.78   3728444.09      106.25043  (15011517)                413674.78
3728444.09      104.11431  (15011517)
        413694.78   3728444.09      101.95118  (15011517)                413714.78
3728444.09       99.82406  (15011517)
        413734.78   3728444.09       97.81932  (16110217)                413294.78
3728464.09      165.67328  (15102617)
        413314.78   3728464.09      160.35913  (14112117)                413334.78
3728464.09      155.51220  (14112117)
        413354.78   3728464.09      150.99824  (14112117)                413374.78
3728464.09      147.22958  (14120417)
        413394.78   3728464.09      143.35904  (14120417)                413414.78
3728464.09      139.48971  (14120417)
        413434.78   3728464.09      136.21095  (15011517)                413454.78
3728464.09      133.12712  (15011517)
        413474.78   3728464.09      130.06477  (15011517)                413494.78
3728464.09      127.03490  (15011517)
        413514.78   3728464.09      124.29722  (15011517)                413534.78
3728464.09      121.57402  (15011517)
        413554.78   3728464.09      118.92927  (15011517)                413574.78
3728464.09      116.35944  (15011517)
        413594.78   3728464.09      113.86392  (15011517)                413614.78
3728464.09      111.44446  (15011517)
        413634.78   3728464.09      109.05110  (15011517)                413654.78
3728464.09      106.65051  (15011517)
        413674.78   3728464.09      104.55044  (15011517)                413694.78
3728464.09      102.43217  (15011517)
        413714.78   3728464.09      100.34582  (15011517)                413734.78
3728464.09       98.20378  (15011517)
        413314.78   3728484.09      160.95902  (15102617)                413334.78
3728484.09      155.62604  (14112117)
        413354.78   3728484.09      151.05524  (14112117)                413374.78
3728484.09      147.22772  (14111317)
        413394.78   3728484.09      143.32093  (14111317)                413414.78
3728484.09      139.62888  (14120417)
        413434.78   3728484.09      136.17445  (14120417)                413454.78
3728484.09      132.85917  (14120417)
        413474.78   3728484.09      129.63648  (14120417)                413494.78
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3728484.09   126.73725 (15011517)
        413514.78   3728484.09   124.02894 (15011517)   413534.78
3728484.09   121.32871 (15011517)
        413554.78   3728484.09   118.72113 (15011517)   413574.78
3728484.09   116.21028 (15011517)
        413594.78   3728484.09   113.76244 (15011517)   413614.78
3728484.09   111.41050 (15011517)
        413634.78   3728484.09   109.08500 (15011517)   413654.78
3728484.09   106.75275 (15011517)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1   ***
                                   INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0000013   ,
                L0000014   , L0000015   , L0000016   , L0000017   , L0000018
, L0000019   , L0000020   , L0000021   ,
                L0000022   , L0000023   , L0000024   , L0000025   , L0000026
, L0000027   , L0000028   , . . .   ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10   IN MICROGRAMS/M**3
                **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        413674.78   3728484.09   104.69778 (15011517)   413694.78
3728484.09   102.61413 (15011517)
        413714.78   3728484.09   100.56832 (15011517)   413734.78
3728484.09   98.55044 (15011517)
        413334.78   3728504.09   156.48862 (15102617)   413354.78
3728504.09   151.25827 (14111917)
        413374.78   3728504.09   146.99780 (14111317)   413394.78
3728504.09   143.47427 (14111317)
        413414.78   3728504.09   139.89311 (14111317)   413434.78
3728504.09   136.37777 (14111317)
        413454.78   3728504.09   132.99854 (14111317)   413474.78
3728504.09   129.73401 (14120417)

413494.78 3728504.09 126.63549 (14120417) 413514.78 3728504.09 123.71749 (14120417)
413534.78 3728504.09 120.84071 (14120417) 413554.78 3728504.09 118.21261 (15011517)
413574.78 3728504.09 115.75610 (15011517) 413594.78 3728504.09 113.35911 (15011517)
413614.78 3728504.09 111.05898 (15011517) 413634.78 3728504.09 108.80073 (15011517)
413654.78 3728504.09 106.52596 (15011517) 413674.78 3728504.09 104.53003 (15011517)
413694.78 3728504.09 102.49049 (15011517) 413714.78 3728504.09 100.49373 (15011517)
413734.78 3728504.09 98.52272 (15011517) 413334.78 3728524.09 157.43720 (15102617)
413354.78 3728524.09 152.31240 (15102617) 413374.78 3728524.09 147.27398 (14111917)
413394.78 3728524.09 143.25374 (14111917) 413414.78 3728524.09 139.71934 (14111317)
413434.78 3728524.09 136.31092 (14111317) 413454.78 3728524.09 132.99209 (14111317)
413474.78 3728524.09 129.77003 (14111317) 413494.78 3728524.09 126.67965 (14111317)
413514.78 3728524.09 123.68513 (14111317) 413534.78 3728524.09 120.77287 (14111317)
413554.78 3728524.09 118.06776 (14120417) 413574.78 3728524.09 115.44074 (14120417)
413594.78 3728524.09 112.88056 (14120417) 413614.78 3728524.09 110.42111 (14120417)
413634.78 3728524.09 108.15557 (15011517) 413654.78 3728524.09 105.95151 (15011517)
413674.78 3728524.09 104.01660 (15011517) 413694.78 3728524.09 102.05083 (15011517)
413714.78 3728524.09 100.10252 (15011517) 413734.78 3728524.09 98.17709 (15011517)
413334.78 3728544.09 158.07028 (15102617) 413354.78 3728544.09 153.15580 (15102617)
413374.78 3728544.09 148.28541 (15102617) 413394.78 3728544.09 143.54629 (15102617)
413414.78 3728544.09 139.87583 (14111917) 413434.78 3728544.09 136.18830 (14111917)
413454.78 3728544.09 132.67592 (14111317) 413474.78 3728544.09 129.51144 (14111317)
413494.78 3728544.09 126.54026 (14111317) 413514.78 3728544.09 123.61939 (14111317)
413534.78 3728544.09 120.78920 (14111317) 413554.78 3728544.09 118.03583 (14111317)
413574.78 3728544.09 115.35912 (14111317) 413594.78 3728544.09 112.77145 (14111317)
413614.78 3728544.09 110.30680 (14120417) 413634.78 3728544.09 107.91951 (14120417)

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        413654.78   3728544.09      105.58375  (14120417)                413674.78
3728544.09      103.49876  (14120417)
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3728544.09       99.42000  (15011517)
        413734.78   3728544.09       97.59606  (15011517)                413374.78
3728564.09      149.07381  (15102617)
        413394.78   3728564.09      144.61787  (15102617)                413414.78
3728564.09      140.29276  (15102617)
        413434.78   3728564.09      136.40498  (14111917)                413454.78
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        413474.78   3728564.09      129.47943  (14111917)                413494.78
3728564.09      126.17204  (14111917)
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3728564.09      120.46795  (14111317)
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3728564.09      115.22692  (14111317)
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3728564.09      110.21007  (14111317)
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***       05/26/20
 *** AERMET - VERSION  16216 ***   ***
                         ***       16:48:31

                                   PAGE 469
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SRCGP1   ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        413634.78   3728564.09      107.74473  (14111317)                413654.78
3728564.09      105.41677  (14111317)
        413674.78   3728564.09      103.29495  (14120417)                413694.78
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3728564.09      101.23796  (14120417)
        413714.78   3728564.09       99.21790  (14120417)                413734.78
3728564.09       97.22702  (14120417)
        413374.78   3728584.09      149.55141  (15102617)                413394.78
3728584.09      145.22843  (15102617)
        413414.78   3728584.09      141.02111  (15102617)                413434.78
3728584.09      136.91996  (15102617)
        413454.78   3728584.09      132.83966  (14111917)                413474.78
3728584.09      129.62360  (14111917)
        413494.78   3728584.09      126.41644  (14111917)                413514.78
3728584.09      123.29985  (14111917)
        413534.78   3728584.09      120.24053  (14111917)                413554.78
3728584.09      117.37368  (13103017)
        413574.78   3728584.09      114.65355  (14111317)                413594.78
3728584.09      112.20134  (14111317)
        413614.78   3728584.09      109.85249  (14111317)                413634.78
3728584.09      107.62317  (14111317)
        413654.78   3728584.09      105.40881  (14111317)                413674.78
3728584.09      103.27266  (14111317)
        413694.78   3728584.09      101.12676  (14111317)                413714.78
3728584.09       98.99246  (14111317)
        413734.78   3728584.09       96.94559  (14111317)                413374.78
3728604.09      149.68190  (15102617)
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3728604.09      141.45134  (15102617)
        413434.78   3728604.09      137.46511  (15102617)                413454.78
3728604.09      133.54797  (15102617)
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3728604.09      126.32610  (14111917)
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3728604.09      120.30397  (14111917)
        413554.78   3728604.09      117.37504  (14111917)                413574.78
3728604.09      114.60015  (14111917)
        413594.78   3728604.09      112.03531  (13103017)                413614.78
3728604.09      109.59942  (13103017)
        413634.78   3728604.09      107.22917  (13103017)                413654.78
3728604.09      104.99772  (14111317)
        413674.78   3728604.09      102.80860  (14111317)                413694.78
3728604.09      100.74835  (14111317)
        413714.78   3728604.09       98.77534  (14111317)                413734.78
3728604.09       96.85072  (14111317)
        413414.78   3728624.09      141.53230  (15102617)                413434.78
3728624.09      137.75663  (15102617)
        413454.78   3728624.09      133.92087  (15102617)                413474.78
3728624.09      130.33245  (15102617)
        413494.78   3728624.09      126.78993  (15102617)                413514.78
3728624.09      123.23847  (15102617)
        413534.78   3728624.09      120.07514  (14111917)                413554.78
3728624.09      117.38039  (14111917)
        413574.78   3728624.09      114.74404  (14111917)                413594.78
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3728624.09   112.15637 (14111917)
        413614.78   3728624.09   109.50236 (14111917)   413634.78
3728624.09   106.84999 (13103017)
        413654.78   3728624.09   104.55252 (13103017)   413674.78
3728624.09   102.37701 (13103017)
        413694.78   3728624.09   100.24948 (13103017)   413714.78
3728624.09   98.29793 (14111317)
        413734.78   3728624.09   96.48802 (14111317)   413414.78
3728644.09   141.30898 (15102617)
        413434.78   3728644.09   137.66562 (15102617)   413454.78
3728644.09   134.09792 (15102617)
        413474.78   3728644.09   130.52025 (15102617)   413494.78
3728644.09   127.09630 (15102617)
        413514.78   3728644.09   123.78229 (15102617)   413534.78
3728644.09   120.59400 (15102617)
        413554.78   3728644.09   117.38760 (15102617)   413574.78
3728644.09   114.32967 (14111917)
        413594.78   3728644.09   111.62733 (14111917)   413614.78
3728644.09   109.86631 (14111917)
        413634.78   3728644.09   106.83864 (14111917)   413654.78
3728644.09   104.41011 (14111917)
        413674.78   3728644.09   102.16779 (14111917)   413694.78
3728644.09   100.14974 (13103017)
        413714.78   3728644.09   98.21209 (13103017)   413734.78
3728644.09   96.28119 (13103017)
        413414.78   3728664.09   140.96660 (14110617)   413434.78
3728664.09   137.17135 (15102617)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1   ***
                                   INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                 L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0000013   ,
                 L0000014   , L0000015   , L0000016   , L0000017   , L0000018
, L0000019   , L0000020   , L0000021   ,
                 L0000022   , L0000023   , L0000024   , L0000025   , L0000026
, L0000027   , L0000028   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
413454.78	3728664.09	133.77513	(15102617)	413474.78	3728664.09	130.47173	(15102617)
413494.78	3728664.09	127.23599	(15102617)	413514.78	3728664.09	124.04324	(15102617)
413534.78	3728664.09	120.70036	(15102617)	413554.78	3728664.09	121.01441	(12120617)
413574.78	3728664.09	127.14976	(16120917)	413594.78	3728664.09	119.87529	(14112117)
413614.78	3728664.09	112.84352	(13112517)	413634.78	3728664.09	107.38478	(14111917)
413654.78	3728664.09	104.28596	(14111917)	413674.78	3728664.09	102.25620	(14111917)
413694.78	3728664.09	100.21974	(14111917)	413714.78	3728664.09	98.09590	(14111917)
413734.78	3728664.09	96.08232	(13103017)	413414.78	3728684.09	140.87749	(14110617)
413434.78	3728684.09	137.01089	(14110617)	413454.78	3728684.09	133.20507	(14110617)
413474.78	3728684.09	129.91115	(15102617)	413494.78	3728684.09	126.52205	(15102617)
413514.78	3728684.09	157.63119	(16111017)	413534.78	3728684.09	154.95300	(16111017)
413554.78	3728684.09	151.07256	(16111017)	413574.78	3728684.09	146.63401	(16111017)
413594.78	3728684.09	125.81190	(16120917)	413614.78	3728684.09	111.20437	(14111917)
413634.78	3728684.09	106.46210	(15102617)	413654.78	3728684.09	104.16505	(13013017)
413674.78	3728684.09	102.05480	(14111917)	413694.78	3728684.09	99.99307	(14111917)
413714.78	3728684.09	97.98562	(14111917)	413734.78	3728684.09	95.97557	(14111917)
410427.04	3723000.34	7.51134	(16122117)	410447.04	3723000.34	7.62856	(16122117)
410467.04	3723000.34	7.74440	(16122117)	410487.04	3723000.34	7.85711	(16122117)
410507.04	3723000.34	7.96680	(16122117)	410527.04	3723000.34	8.07455	(16122117)
410547.04	3723000.34	8.18060	(16122117)	410567.04	3723000.34	8.28345	(16122117)
410587.04	3723000.34	8.38140	(16122117)	410607.04	3723000.34	8.47681	(16122117)
410627.04	3723000.34	8.57003	(16122117)	410647.04	3723000.34	8.65876	(16122117)

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        410667.04   3723000.34        8.74181  (16122117)                410687.04
3723000.34        8.82185  (16122117)
        410707.04   3723000.34        8.89915  (16122117)                410727.04
3723000.34        8.97023  (16122117)
        410747.04   3723000.34        9.03704  (16122117)                410767.04
3723000.34        9.09886  (16122117)
        410787.04   3723000.34        9.15636  (16122117)                410807.04
3723000.34        9.20834  (16122117)
        410827.04   3723000.34        9.25533  (16122117)                410847.04
3723000.34        9.29749  (16122117)
        410867.04   3723000.34        9.33467  (16122117)                410887.04
3723000.34        9.36565  (16122117)
        410907.04   3723000.34        9.39182  (16122117)                410927.04
3723000.34        9.41215  (16122117)
        410947.04   3723000.34        9.42656  (16122117)                410967.04
3723000.34        9.43596  (16122117)
        410987.04   3723000.34        9.43917  (16122117)                411007.04
3723000.34        9.43668  (16122117)
        411027.04   3723000.34        9.42940  (16122117)                411047.04
3723000.34        9.41484  (16122117)
        411067.04   3723000.34        9.39475  (16122117)                411087.04
3723000.34        9.36910  (16122117)
        411107.04   3723000.34        9.33749  (16122117)                411127.04
3723000.34        9.30016  (16122117)
        411147.04   3723000.34        9.25736  (16122117)                411167.04
3723000.34        9.20854  (16122117)
        411187.04   3723000.34        9.15422  (16122117)                411207.04
3723000.34        9.09456  (16122117)
        411227.04   3723000.34        9.02912  (16122117)                411327.04
3723000.34        8.62839  (16122117)
        410427.04   3723020.34        7.50128  (16122117)                410447.04
3723020.34        7.61973  (16122117)
        410467.04   3723020.34        7.73622  (16122117)                410487.04
3723020.34        7.85043  (16122117)
        410507.04   3723020.34        7.96266  (16122117)                410527.04
3723020.34        8.07274  (16122117)
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                         ***        16:48:31

                                    PAGE 471
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SRCGP1   ***
                                    INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
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                 L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                 L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)             X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        410547.04   3723020.34        8.18006  (16122117)               410567.04
3723020.34        8.28444  (16122117)
        410587.04   3723020.34        8.38566  (16122117)               410607.04
3723020.34        8.48338  (16122117)
        410627.04   3723020.34        8.57775  (16122117)               410647.04
3723020.34        8.66829  (16122117)
        410667.04   3723020.34        8.75486  (16122117)               410687.04
3723020.34        8.83753  (16122117)
        410707.04   3723020.34        8.91597  (16122117)               410727.04
3723020.34        8.98997  (16122117)
        410747.04   3723020.34        9.05947  (16122117)               410767.04
3723020.34        9.12427  (16122117)
        410787.04   3723020.34        9.18352  (16122117)               410807.04
3723020.34        9.23790  (16122117)
        410827.04   3723020.34        9.28769  (16122117)               410847.04
3723020.34        9.33233  (16122117)
        410867.04   3723020.34        9.37172  (16122117)               410887.04
3723020.34        9.40550  (16122117)
        410907.04   3723020.34        9.43387  (16122117)               410927.04
3723020.34        9.45655  (16122117)
        410947.04   3723020.34        9.47336  (16122117)               410967.04
3723020.34        9.48481  (16122117)
        410987.04   3723020.34        9.49034  (16122117)               411007.04
3723020.34        9.48997  (16122117)
        411027.04   3723020.34        9.48370  (16122117)               411047.04
3723020.34        9.47150  (16122117)
        411067.04   3723020.34        9.45349  (16122117)               411087.04
3723020.34        9.42959  (16122117)
        411107.04   3723020.34        9.39971  (16122117)               411127.04
3723020.34        9.36411  (16122117)
        411147.04   3723020.34        9.32269  (16122117)               411167.04
3723020.34        9.27540  (16122117)
        411187.04   3723020.34        9.22252  (16122117)               411207.04
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        411227.04   3723020.34        9.09951  (16122117)               410427.04
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        410487.04   3723040.34        7.84477  (16122117)                410507.04
3723040.34        7.95909  (16122117)
        410527.04   3723040.34        8.07102  (16122117)                410547.04
3723040.34        8.18025  (16122117)
        410567.04   3723040.34        8.28665  (16122117)                410587.04
3723040.34        8.39030  (16122117)
        410607.04   3723040.34        8.48893  (16122117)                410627.04
3723040.34        8.58519  (16122117)
        410647.04   3723040.34        8.67804  (16122117)                410667.04
3723040.34        8.76703  (16122117)
        410687.04   3723040.34        8.85203  (16122117)                410707.04
3723040.34        8.93270  (16122117)
        410727.04   3723040.34        9.00920  (16122117)                410747.04
3723040.34        9.08296  (16122117)
        410767.04   3723040.34        9.14807  (16122117)                410787.04
3723040.34        9.21018  (16122117)
        410807.04   3723040.34        9.26755  (16122117)                410827.04
3723040.34        9.31939  (16122117)
        410847.04   3723040.34        9.36655  (16122117)                410867.04
3723040.34        9.40845  (16122117)
        410887.04   3723040.34        9.44458  (16122117)                410907.04
3723040.34        9.47550  (16122117)
        410927.04   3723040.34        9.50056  (16122117)                410947.04
3723040.34        9.51776  (16122117)
        410967.04   3723040.34        9.53297  (16122117)                410987.04
3723040.34        9.54102  (16122117)
        411007.04   3723040.34        9.54291  (16122117)                411027.04
3723040.34        9.53850  (16122117)
        411047.04   3723040.34        9.52840  (16122117)                411067.04
3723040.34        9.51234  (16122117)
        411087.04   3723040.34        9.49029  (16122117)                411107.04
3723040.34        9.46230  (16122117)
        411127.04   3723040.34        9.42836  (16122117)                411147.04
3723040.34        9.38864  (16122117)
        411167.04   3723040.34        9.34292  (16122117)                411187.04
3723040.34        9.29188  (16122117)
        411207.04   3723040.34        9.23431  (16122117)                411227.04
3723040.34        9.17136  (16122117)
        410427.04   3723060.34        7.47647  (16122117)                410447.04
3723060.34        7.59724  (16122117)
        410467.04   3723060.34        7.71846  (16122117)                410487.04
3723060.34        7.83778  (16122117)
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                        ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        16:48:31
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SRCGP1 ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
410507.04	3723060.34	7.95438	(16122117)	410527.04	3723060.34	8.06817	(16122117)
410547.04	3723060.34	8.17965	(16122117)	410567.04	3723060.34	8.28782	(16122117)
410587.04	3723060.34	8.39357	(16122117)	410607.04	3723060.34	8.49404	(16122117)
410627.04	3723060.34	8.59372	(16122117)	410647.04	3723060.34	8.68923	(16122117)
410667.04	3723060.34	8.78068	(16122117)	410687.04	3723060.34	8.86812	(16122117)
410707.04	3723060.34	8.95114	(16122117)	410727.04	3723060.34	9.02997	(16122117)
410747.04	3723060.34	9.10504	(16122117)	410767.04	3723060.34	9.17175	(16122117)
410787.04	3723060.34	9.23610	(16122117)	410807.04	3723060.34	9.29573	(16122117)
410827.04	3723060.34	9.34858	(16122117)	410847.04	3723060.34	9.39857	(16122117)
410867.04	3723060.34	9.44293	(16122117)	410887.04	3723060.34	9.48130	(16122117)
410907.04	3723060.34	9.51446	(16122117)	410927.04	3723060.34	9.54190	(16122117)
410947.04	3723060.34	9.56224	(16122117)	410967.04	3723060.34	9.57903	(16122117)
410987.04	3723060.34	9.58923	(16122117)	411007.04	3723060.34	9.59313	(16122117)

411027.04 3723060.34 9.59095 (16122117) 411047.04
3723060.34 9.58296 (16122117)
411067.04 3723060.34 9.56900 (16122117) 411087.04
3723060.34 9.54893 (16122117)
411107.04 3723060.34 9.52290 (16122117) 411127.04
3723060.34 9.49048 (16122117)
411147.04 3723060.34 9.45269 (16122117) 411167.04
3723060.34 9.41040 (16122117)
411187.04 3723060.34 9.36055 (16122117) 411207.04
3723060.34 9.30312 (16122117)
411227.04 3723060.34 9.24112 (16122117) 411247.04
3723060.34 9.17430 (16122117)
411267.04 3723060.34 9.10372 (16122117) 411287.04
3723060.34 9.02584 (16122117)
410427.04 3723080.34 7.46024 (16122117) 410447.04
3723080.34 7.58479 (16122117)
410467.04 3723080.34 7.70784 (16122117) 410487.04
3723080.34 7.82913 (16122117)
410507.04 3723080.34 7.94809 (16122117) 410527.04
3723080.34 8.06393 (16122117)
410547.04 3723080.34 8.17777 (16122117) 410567.04
3723080.34 8.28803 (16122117)
410587.04 3723080.34 8.39588 (16122117) 410607.04
3723080.34 8.49854 (16122117)
410627.04 3723080.34 8.60083 (16122117) 410647.04
3723080.34 8.69914 (16122117)
410667.04 3723080.34 8.79285 (16122117) 410687.04
3723080.34 8.88252 (16122117)
410707.04 3723080.34 8.96830 (16122117) 410727.04
3723080.34 9.04967 (16122117)
410747.04 3723080.34 9.12646 (16122117) 410767.04
3723080.34 9.19513 (16122117)
410787.04 3723080.34 9.26176 (16122117) 410807.04
3723080.34 9.32376 (16122117)
410827.04 3723080.34 9.37895 (16122117) 410847.04
3723080.34 9.43168 (16122117)
410867.04 3723080.34 9.47861 (16122117) 410887.04
3723080.34 9.51940 (16122117)
410907.04 3723080.34 9.55365 (16122117) 410927.04
3723080.34 9.58431 (16122117)
410947.04 3723080.34 9.60862 (16122117) 410967.04
3723080.34 9.62650 (16122117)
410987.04 3723080.34 9.63780 (16122117) 411007.04
3723080.34 9.64516 (16122117)
411027.04 3723080.34 9.64506 (16122117) 411047.04
3723080.34 9.63880 (16122117)
411067.04 3723080.34 9.62623 (16122117) 411087.04
3723080.34 9.60906 (16122117)
411107.04 3723080.34 9.58535 (16122117) 411127.04
3723080.34 9.55430 (16122117)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SRCGP1   ***
                                 INCLUDING SOURCE(S):   L0000001   , L0000002 , L0000003   , L0000004   , L0000005   ,
                 L0000006   , L0000007   , L0000008   , L0000009   , L0000010 , L0000011   , L0000012   , L0000013   ,
                 L0000014   , L0000015   , L0000016   , L0000017   , L0000018 , L0000019   , L0000020   , L0000021   ,
                 L0000022   , L0000023   , L0000024   , L0000025   , L0000026 , L0000027   , L0000028   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 -
        411227.04   3723080.34   9.31302 (16122117)   411247.04   3723080.34   9.24746 (16122117)
        411267.04   3723080.34   9.17699 (16122117)   411287.04   3723080.34   9.10185 (16122117)
        410427.04   3723100.34   7.44485 (16122117)   410447.04   3723100.34   7.57216 (16122117)
        410467.04   3723100.34   7.69687 (16122117)   410487.04   3723100.34   7.81998 (16122117)
        410507.04   3723100.34   7.94093 (16122117)   410527.04   3723100.34   8.05882 (16122117)
        410547.04   3723100.34   8.17484 (16122117)   410567.04   3723100.34   8.28734 (16122117)
        410587.04   3723100.34   8.39726 (16122117)   410607.04   3723100.34   8.50214 (16122117)
        410627.04   3723100.34   8.60566 (16122117)   410647.04   3723100.34   8.70582 (16122117)
        410667.04   3723100.34   8.80184 (16122117)   410687.04

3723100.34 8.89407 (16122117)
410707.04 3723100.34 8.98201 (16122117) 410727.04
3723100.34 9.06561 (16122117)
410747.04 3723100.34 9.14638 (16122117) 410767.04
3723100.34 9.21782 (16122117)
410787.04 3723100.34 9.28694 (16122117) 410807.04
3723100.34 9.35195 (16122117)
410827.04 3723100.34 9.40894 (16122117) 410847.04
3723100.34 9.46539 (16122117)
410867.04 3723100.34 9.51501 (16122117) 410887.04
3723100.34 9.55805 (16122117)
410907.04 3723100.34 9.59405 (16122117) 410927.04
3723100.34 9.62822 (16122117)
410947.04 3723100.34 9.65512 (16122117) 410967.04
3723100.34 9.67486 (16122117)
410987.04 3723100.34 9.68749 (16122117) 411007.04
3723100.34 9.69820 (16122117)
411027.04 3723100.34 9.70075 (16122117) 411047.04
3723100.34 9.69597 (16122117)
411067.04 3723100.34 9.68489 (16122117) 411087.04
3723100.34 9.67051 (16122117)
411107.04 3723100.34 9.64877 (16122117) 411127.04
3723100.34 9.61880 (16122117)
411147.04 3723100.34 9.58420 (16122117) 411167.04
3723100.34 9.54540 (16122117)
411187.04 3723100.34 9.49808 (16122117) 411207.04
3723100.34 9.44385 (16122117)
411227.04 3723100.34 9.38591 (16122117) 411247.04
3723100.34 9.32266 (16122117)
411267.04 3723100.34 9.25083 (16122117) 411287.04
3723100.34 9.17694 (16122117)
411307.04 3723100.34 9.09691 (16122117) 410427.04
3723120.34 7.43023 (16122117)
410447.04 3723120.34 7.55862 (16122117) 410467.04
3723120.34 7.68493 (16122117)
410487.04 3723120.34 7.81014 (16122117) 410507.04
3723120.34 7.93290 (16122117)
410527.04 3723120.34 8.05298 (16122117) 410547.04
3723120.34 8.17100 (16122117)
410567.04 3723120.34 8.28567 (16122117) 410587.04
3723120.34 8.39759 (16122117)
410607.04 3723120.34 8.50484 (16122117) 410627.04
3723120.34 8.61088 (16122117)
410647.04 3723120.34 8.71348 (16122117) 410667.04
3723120.34 8.81174 (16122117)
410687.04 3723120.34 8.90617 (16122117) 410707.04
3723120.34 8.99658 (16122117)
410727.04 3723120.34 9.08251 (16122117) 410747.04
3723120.34 9.16600 (16122117)
410767.04 3723120.34 9.23973 (16122117) 410787.04

3723120.34   9.31134 (16122117)
        410807.04   3723120.34   9.37905 (16122117)   410827.04
3723120.34   9.43850 (16122117)
        410847.04   3723120.34   9.49783 (16122117)   410867.04
3723120.34   9.54981 (16122117)
        410887.04   3723120.34   9.59548 (16122117)   410907.04
3723120.34   9.63359 (16122117)
        410927.04   3723120.34   9.67057 (16122117)   410947.04
3723120.34   9.69961 (16122117)
        410967.04   3723120.34   9.72187 (16122117)   410987.04
3723120.34   9.73661 (16122117)
        411007.04   3723120.34   9.74967 (16122117)   411027.04
3723120.34   9.75438 (16122117)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1   ***
                                 INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                 L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0000013   ,
                 L0000014   , L0000015   , L0000016   , L0000017   , L0000018
, L0000019   , L0000020   , L0000021   ,
                 L0000022   , L0000023   , L0000024   , L0000025   , L0000026
, L0000027   , L0000028   , . . .   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                      ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        411047.04   3723120.34   9.75183 (16122117)   411067.04
3723120.34   9.74298 (16122117)
        411087.04   3723120.34   9.73102 (16122117)   411107.04
3723120.34   9.71088 (16122117)
        411127.04   3723120.34   9.68273 (16122117)   411147.04
3723120.34   9.64975 (16122117)
        411167.04   3723120.34   9.61296 (16122117)   411187.04
3723120.34   9.56743 (16122117)

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        411207.04   3723120.34        9.51497  (16122117)                411227.04
3723120.34        9.45843  (16122117)
        411247.04   3723120.34        9.39693  (16122117)                411267.04
3723120.34        9.32703  (16122117)
        411287.04   3723120.34        9.25140  (16122117)                411307.04
3723120.34        9.17371  (16122117)
        411327.04   3723120.34        9.08882  (16122117)                410707.04
3723140.34        9.01149  (16122117)
        410727.04   3723140.34        9.10014  (16122117)                410747.04
3723140.34        9.18487  (16122117)
        410767.04   3723140.34        9.26082  (16122117)                410787.04
3723140.34        9.33509  (16122117)
        410807.04   3723140.34        9.40503  (16122117)                410827.04
3723140.34        9.46723  (16122117)
        410847.04   3723140.34        9.52902  (16122117)                410867.04
3723140.34        9.58377  (16122117)
        410887.04   3723140.34        9.63173  (16122117)                410907.04
3723140.34        9.67242  (16122117)
        410927.04   3723140.34        9.71181  (16122117)                410947.04
3723140.34        9.74367  (16122117)
        410967.04   3723140.34        9.76821  (16122117)                410987.04
3723140.34        9.78519  (16122117)
        411007.04   3723140.34        9.80038  (16122117)                411027.04
3723140.34        9.80792  (16122117)
        411047.04   3723140.34        9.80729  (16122117)                411067.04
3723140.34        9.80046  (16122117)
        411087.04   3723140.34        9.79095  (16122117)                411107.04
3723140.34        9.77286  (16122117)
        411127.04   3723140.34        9.74677  (16122117)                411147.04
3723140.34        9.71549  (16122117)
        411167.04   3723140.34        9.68008  (16122117)                411187.04
3723140.34        9.63681  (16122117)
        411207.04   3723140.34        9.58560  (16122117)                411227.04
3723140.34        9.53071  (16122117)
        411247.04   3723140.34        9.47098  (16122117)                411267.04
3723140.34        9.40308  (16122117)
        411287.04   3723140.34        9.32871  (16122117)                411307.04
3723140.34        9.24940  (16122117)
        411327.04   3723140.34        9.16721  (16122117)                410707.04
3723160.34        9.02432  (16122117)
        410727.04   3723160.34        9.11566  (16122117)                410747.04
3723160.34        9.20294  (16122117)
        410767.04   3723160.34        9.28118  (16122117)                410787.04
3723160.34        9.35800  (16122117)
        410807.04   3723160.34        9.43054  (16122117)                410827.04
3723160.34        9.49540  (16122117)
        410847.04   3723160.34        9.55981  (16122117)                410867.04
3723160.34        9.61681  (16122117)
        410887.04   3723160.34        9.66755  (16122117)                410907.04
3723160.34        9.71077  (16122117)
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        410927.04   3723160.34        9.75233  (16122117)               410947.04
3723160.34        9.78669  (16122117)
        410967.04   3723160.34        9.81369  (16122117)               410987.04
3723160.34        9.83339  (16122117)
        411007.04   3723160.34        9.85117  (16122117)               411027.04
3723160.34        9.86073  (16122117)
        411047.04   3723160.34        9.86180  (16122117)               411067.04
3723160.34        9.85751  (16122117)
        411087.04   3723160.34        9.85015  (16122117)               411107.04
3723160.34        9.83429  (16122117)
        411127.04   3723160.34        9.81043  (16122117)               411147.04
3723160.34        9.78123  (16122117)
        411167.04   3723160.34        9.74769  (16122117)               411187.04
3723160.34        9.70614  (16122117)
        411207.04   3723160.34        9.65647  (16122117)               411227.04
3723160.34        9.60345  (16122117)
        411247.04   3723160.34        9.54478  (16122117)               411267.04
3723160.34        9.47923  (16122117)
        411287.04   3723160.34        9.40717  (16122117)               411307.04
3723160.34        9.32750  (16122117)
        411327.04   3723160.34        9.24472  (16122117)               411347.04
3723160.34        9.15817  (16122117)
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                         ***        16:48:31

                                    PAGE 475
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SRCGP1   ***
                                    INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        411367.04   3723160.34        9.06335  (16122117)                410707.04
3723180.34        9.03455  (16122117)
        410727.04   3723180.34        9.12839  (16122117)                410747.04
3723180.34        9.21944  (16122117)
        410767.04   3723180.34        9.30073  (16122117)                410787.04
3723180.34        9.38035  (16122117)
        410807.04   3723180.34        9.45566  (16122117)                410827.04
3723180.34        9.52270  (16122117)
        410847.04   3723180.34        9.58995  (16122117)                410867.04
3723180.34        9.64941  (16122117)
        410887.04   3723180.34        9.70274  (16122117)                410907.04
3723180.34        9.74844  (16122117)
        410927.04   3723180.34        9.79265  (16122117)                410947.04
3723180.34        9.82937  (16122117)
        410967.04   3723180.34        9.85914  (16122117)                410987.04
3723180.34        9.88116  (16122117)
        411007.04   3723180.34        9.90142  (16122117)                411027.04
3723180.34        9.91323  (16122117)
        411047.04   3723180.34        9.91783  (16122117)                411067.04
3723180.34        9.91606  (16122117)
        411087.04   3723180.34        9.90950  (16122117)                411107.04
3723180.34        9.89591  (16122117)
        411127.04   3723180.34        9.87397  (16122117)                411147.04
3723180.34        9.84657  (16122117)
        411167.04   3723180.34        9.81496  (16122117)                411187.04
3723180.34        9.77556  (16122117)
        411207.04   3723180.34        9.72741  (16122117)                411227.04
3723180.34        9.67608  (16122117)
        411247.04   3723180.34        9.61928  (16122117)                411267.04
3723180.34        9.55518  (16122117)
        411287.04   3723180.34        9.48290  (16122117)                411307.04
3723180.34        9.40560  (16122117)
        411327.04   3723180.34        9.32359  (16122117)                411347.04
3723180.34        9.23718  (16122117)
        411367.04   3723180.34        9.14548  (16122117)                411387.04
3723180.34        9.04570  (16122117)
        410707.04   3723200.34        9.04663  (16122117)                410727.04
3723200.34        9.14279  (16122117)
        410747.04   3723200.34        9.23554  (16122117)                410767.04
3723200.34        9.31938  (16122117)
        410787.04   3723200.34        9.40168  (16122117)                410807.04
3723200.34        9.47965  (16122117)
        410827.04   3723200.34        9.54930  (16122117)                410847.04
3723200.34        9.61896  (16122117)
        410867.04   3723200.34        9.68151  (16122117)                410887.04
3723200.34        9.73732  (16122117)
        410907.04   3723200.34        9.78548  (16122117)                410927.04
3723200.34        9.83244  (16122117)
        410947.04   3723200.34        9.87178  (16122117)                410967.04
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3723200.34        9.90381  (16122117)
        410987.04   3723200.34        9.92837  (16122117)                411007.04
3723200.34        9.95089  (16122117)
        411027.04   3723200.34        9.96558  (16122117)                411047.04
3723200.34        9.97343  (16122117)
        411067.04   3723200.34        9.97444  (16122117)                411087.04
3723200.34        9.96921  (16122117)
        411107.04   3723200.34        9.95740  (16122117)                411127.04
3723200.34        9.93738  (16122117)
        411147.04   3723200.34        9.91225  (16122117)                411167.04
3723200.34        9.88283  (16122117)
        411187.04   3723200.34        9.84476  (16122117)                411207.04
3723200.34        9.79871  (16122117)
        411227.04   3723200.34        9.74851  (16122117)                411247.04
3723200.34        9.69329  (16122117)
        411267.04   3723200.34        9.63055  (16122117)                411287.04
3723200.34        9.55925  (16122117)
        411307.04   3723200.34        9.48646  (16122117)                411327.04
3723200.34        9.40490  (16122117)
        411347.04   3723200.34        9.31657  (16122117)                411367.04
3723200.34        9.22628  (16122117)
        411387.04   3723200.34        9.12947  (16122117)                410707.04
3723220.34        9.05742  (16122117)
        410727.04   3723220.34        9.15607  (16122117)                410747.04
3723220.34        9.25058  (16122117)
        410767.04   3723220.34        9.33720  (16122117)                410787.04
3723220.34        9.42225  (16122117)
        410807.04   3723220.34        9.50272  (16122117)                410827.04
3723220.34        9.57515  (16122117)
        410847.04   3723220.34        9.64752  (16122117)                410867.04
3723220.34        9.71250  (16122117)
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                        ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        16:48:31

                                   PAGE 476
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SRCGP1   ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
410887.04	3723220.34	9.77092	(16122117)	410907.04	3723220.34	9.82199	(16122117)
410927.04	3723220.34	9.87168	(16122117)	410947.04	3723220.34	9.91359	(16122117)
410967.04	3723220.34	9.94815	(16122117)	410987.04	3723220.34	9.97515	(16122117)
411007.04	3723220.34	9.99982	(16122117)	411027.04	3723220.34	10.01685	(16122117)
411047.04	3723220.34	10.02685	(16122117)	411067.04	3723220.34	10.03040	(16122117)
411087.04	3723220.34	10.02724	(16122117)	411107.04	3723220.34	10.01748	(16122117)
411127.04	3723220.34	10.00020	(16122117)	411147.04	3723220.34	9.97736	(16122117)
411167.04	3723220.34	9.94947	(16122117)	411187.04	3723220.34	9.91400	(16122117)
411207.04	3723220.34	9.86967	(16122117)	411227.04	3723220.34	9.82169	(16122117)
411247.04	3723220.34	9.76820	(16122117)	411267.04	3723220.34	9.70647	(16122117)
411287.04	3723220.34	9.63691	(16122117)	411307.04	3723220.34	9.56502	(16122117)
411327.04	3723220.34	9.48584	(16122117)	411347.04	3723220.34	9.39886	(16122117)
411367.04	3723220.34	9.30707	(16122117)	411387.04	3723220.34	9.21251	(16122117)
410707.04	3723240.34	9.06538	(16122117)	410727.04	3723240.34	9.16666	(16122117)
410747.04	3723240.34	9.26349	(16122117)	410767.04	3723240.34	9.35394	(16122117)
410787.04	3723240.34	9.44163	(16122117)	410807.04	3723240.34	9.52458	(16122117)
410827.04	3723240.34	9.60021	(16122117)	410847.04	3723240.34	9.67528	(16122117)
410867.04	3723240.34	9.74263	(16122117)	410887.04	3723240.34	9.80396	(16122117)
410907.04	3723240.34	9.85775	(16122117)	410927.04	3723240.34	9.91007	(16122117)
410947.04	3723240.34	9.95467	(16122117)	410967.04	3723240.34	9.99186	(16122117)

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        410987.04   3723240.34       10.02129  (16122117)                411007.04
3723240.34       10.04756  (16122117)
        411027.04   3723240.34       10.06644  (16122117)                411047.04
3723240.34       10.07865  (16122117)
        411067.04   3723240.34       10.08452  (16122117)                411087.04
3723240.34       10.08444  (16122117)
        411107.04   3723240.34       10.07682  (16122117)                411127.04
3723240.34       10.06270  (16122117)
        411147.04   3723240.34       10.04219  (16122117)                411167.04
3723240.34       10.01548  (16122117)
        411187.04   3723240.34        9.98181  (16122117)                411207.04
3723240.34        9.94057  (16122117)
        411227.04   3723240.34        9.89496  (16122117)                411247.04
3723240.34        9.84326  (16122117)
        411267.04   3723240.34        9.78303  (16122117)                411287.04
3723240.34        9.71472  (16122117)
        411307.04   3723240.34        9.64458  (16122117)                411327.04
3723240.34        9.56636  (16122117)
        411347.04   3723240.34        9.48094  (16122117)                411367.04
3723240.34        9.38875  (16122117)
        411387.04   3723240.34        9.29550  (16122117)                411407.04
3723240.34        9.19509  (16122117)
        410707.04   3723260.34        9.07167  (16122117)                410727.04
3723260.34        9.17527  (16122117)
        410747.04   3723260.34        9.27476  (16122117)                410767.04
3723260.34        9.36976  (16122117)
        410787.04   3723260.34        9.45983  (16122117)                410807.04
3723260.34        9.54485  (16122117)
        410827.04   3723260.34        9.62443  (16122117)                410847.04
3723260.34        9.70282  (16122117)
        410867.04   3723260.34        9.77271  (16122117)                410887.04
3723260.34        9.83662  (16122117)
        410907.04   3723260.34        9.89283  (16122117)                410927.04
3723260.34        9.94801  (16122117)
        410947.04   3723260.34        9.99520  (16122117)                410967.04
3723260.34       10.03519  (16122117)
        410987.04   3723260.34       10.06769  (16122117)                411007.04
3723260.34       10.09790  (16122117)
        411027.04   3723260.34       10.11939  (16122117)                411047.04
3723260.34       10.13307  (16122117)
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                         ***       16:48:31

                                   PAGE 477
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SRCGP1   ***
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INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
411067.04	3723260.34	10.14110	(16122117)	411087.04	3723260.34	10.14489	(16122117)
411107.04	3723260.34	10.13961	(16122117)	411127.04	3723260.34	10.12633	(16122117)
411147.04	3723260.34	10.10915	(16122117)	411167.04	3723260.34	10.08439	(16122117)
411187.04	3723260.34	10.05247	(16122117)	411207.04	3723260.34	10.01265	(16122117)
411227.04	3723260.34	9.96840	(16122117)	411247.04	3723260.34	9.91836	(16122117)
411267.04	3723260.34	9.85968	(16122117)	411287.04	3723260.34	9.79275	(16122117)
411307.04	3723260.34	9.72380	(16122117)	411327.04	3723260.34	9.64713	(16122117)
411347.04	3723260.34	9.56313	(16122117)	411367.04	3723260.34	9.47173	(16122117)
411387.04	3723260.34	9.37830	(16122117)	411407.04	3723260.34	9.27758	(16122117)
410707.04	3723280.34	9.08061	(16122117)	410727.04	3723280.34	9.18611	(16122117)
410747.04	3723280.34	9.28923	(16122117)	410767.04	3723280.34	9.38538	(16122117)
410787.04	3723280.34	9.47877	(16122117)	410807.04	3723280.34	9.56757	(16122117)
410827.04	3723280.34	9.64802	(16122117)	410847.04	3723280.34	9.72851	(16122117)
410867.04	3723280.34	9.80147	(16122117)	410887.04	3723280.34	9.86804	(16122117)
410907.04	3723280.34	9.92721	(16122117)	410927.04	3723280.34	9.98472	(16122117)
410947.04	3723280.34	10.03502	(16122117)	410967.04			

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3723280.34       10.07727  (16122117)
        410987.04   3723280.34       10.11307  (16122117)                411007.04
3723280.34       10.14616  (16122117)
        411027.04   3723280.34       10.17040  (16122117)                411047.04
3723280.34       10.18654  (16122117)
        411067.04   3723280.34       10.19659  (16122117)                411087.04
3723280.34       10.20256  (16122117)
        411107.04   3723280.34       10.20042  (16122117)                411127.04
3723280.34       10.19008  (16122117)
        411147.04   3723280.34       10.17337  (16122117)                411167.04
3723280.34       10.15202  (16122117)
        411187.04   3723280.34       10.12231  (16122117)                411207.04
3723280.34       10.08425  (16122117)
        411227.04   3723280.34       10.04190  (16122117)                411247.04
3723280.34        9.99356  (16122117)
        411267.04   3723280.34        9.93618  (16122117)                411287.04
3723280.34        9.87100  (16122117)
        411307.04   3723280.34        9.80355  (16122117)                411327.04
3723280.34        9.72875  (16122117)
        411347.04   3723280.34        9.64537  (16122117)                411367.04
3723280.34        9.55595  (16122117)
        411387.04   3723280.34        9.46111  (16122117)                411407.04
3723280.34        9.36234  (16122117)
        410707.04   3723300.34        9.08760  (16122117)                410727.04
3723300.34        9.19561  (16122117)
        410747.04   3723300.34        9.30132  (16122117)                410767.04
3723300.34        9.39978  (16122117)
        410787.04   3723300.34        9.49605  (16122117)                410807.04
3723300.34        9.58753  (16122117)
        410827.04   3723300.34        9.67073  (16122117)                410847.04
3723300.34        9.75366  (16122117)
        410867.04   3723300.34        9.82973  (16122117)                410887.04
3723300.34        9.89860  (16122117)
        410907.04   3723300.34        9.96113  (16122117)                410927.04
3723300.34       10.01991  (16122117)
        410947.04   3723300.34       10.07241  (16122117)                410967.04
3723300.34       10.11805  (16122117)
        410987.04   3723300.34       10.15778  (16122117)                411007.04
3723300.34       10.19343  (16122117)
        411027.04   3723300.34       10.22046  (16122117)                411047.04
3723300.34       10.23934  (16122117)
        411067.04   3723300.34       10.25184  (16122117)                411087.04
3723300.34       10.26013  (16122117)
        411107.04   3723300.34       10.25819  (16122117)                411127.04
3723300.34       10.25037  (16122117)
        411147.04   3723300.34       10.23813  (16122117)                411167.04
3723300.34       10.21835  (16122117)
        411187.04   3723300.34       10.19163  (16122117)                411207.04
3723300.34       10.15492  (16122117)
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1   ***
                                   INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                  L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0000013   ,
                  L0000014   , L0000015   , L0000016   , L0000017   , L0000018
, L0000019   , L0000020   , L0000021   ,
                  L0000022   , L0000023   , L0000024   , L0000025   , L0000026
, L0000027   , L0000028   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        411227.04   3723300.34   10.11386 (16122117)   411247.04
3723300.34   10.06611 (16122117)
        411267.04   3723300.34   10.01101 (16122117)   411287.04
3723300.34   9.94941 (16122117)
        411307.04   3723300.34   9.88195 (16122117)   411327.04
3723300.34   9.80978 (16122117)
        411347.04   3723300.34   9.72912 (16122117)   411367.04
3723300.34   9.64133 (16122117)
        411387.04   3723300.34   9.54681 (16122117)   411407.04
3723300.34   9.44875 (16122117)
        411427.04   3723300.34   9.34671 (16122117)   411447.04
3723300.34   9.23761 (16122117)
        410707.04   3723320.34   9.09321 (16122117)   410727.04
3723320.34   9.20372 (16122117)
        410747.04   3723320.34   9.31268 (16122117)   410767.04
3723320.34   9.41330 (16122117)
        410787.04   3723320.34   9.51230 (16122117)   410807.04
3723320.34   9.60639 (16122117)
        410827.04   3723320.34   9.69239 (16122117)   410847.04
3723320.34   9.77846 (16122117)
        410867.04   3723320.34   9.85724 (16122117)   410887.04
3723320.34   9.92921 (16122117)

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        410907.04   3723320.34        9.99485  (16122117)               410927.04
3723320.34       10.05673  (16122117)
        410947.04   3723320.34       10.11150  (16122117)               410967.04
3723320.34       10.16002  (16122117)
        410987.04   3723320.34       10.20196  (16122117)               411007.04
3723320.34       10.24040  (16122117)
        411027.04   3723320.34       10.27003  (16122117)               411047.04
3723320.34       10.29131  (16122117)
        411067.04   3723320.34       10.30665  (16122117)               411087.04
3723320.34       10.31769  (16122117)
        411107.04   3723320.34       10.31763  (16122117)               411127.04
3723320.34       10.31247  (16122117)
        411147.04   3723320.34       10.30240  (16122117)               411167.04
3723320.34       10.28500  (16122117)
        411187.04   3723320.34       10.26109  (16122117)               411207.04
3723320.34       10.22741  (16122117)
        411227.04   3723320.34       10.18825  (16122117)               411247.04
3723320.34       10.14212  (16122117)
        411267.04   3723320.34       10.08949  (16122117)               411287.04
3723320.34       10.03011  (16122117)
        411307.04   3723320.34        9.96243  (16122117)               411327.04
3723320.34        9.89011  (16122117)
        411347.04   3723320.34        9.81234  (16122117)               411367.04
3723320.34        9.72608  (16122117)
        411387.04   3723320.34        9.63416  (16122117)               411407.04
3723320.34        9.53523  (16122117)
        411427.04   3723320.34        9.43230  (16122117)               411447.04
3723320.34        9.32565  (16122117)
        411467.04   3723320.34        9.21075  (16122117)               411487.04
3723320.34        9.09238  (16122117)
        410707.04   3723340.34        9.09776  (16122117)               410727.04
3723340.34        9.21096  (16122117)
        410747.04   3723340.34        9.32262  (16122117)               410767.04
3723340.34        9.42584  (16122117)
        410787.04   3723340.34        9.52744  (16122117)               410807.04
3723340.34        9.62439  (16122117)
        410827.04   3723340.34        9.71338  (16122117)               410847.04
3723340.34        9.80207  (16122117)
        410867.04   3723340.34        9.88387  (16122117)               410887.04
3723340.34        9.95925  (16122117)
        410907.04   3723340.34       10.02891  (16122117)               410927.04
3723340.34       10.09301  (16122117)
        410947.04   3723340.34       10.15062  (16122117)               410967.04
3723340.34       10.20149  (16122117)
        410987.04   3723340.34       10.24544  (16122117)               411007.04
3723340.34       10.28676  (16122117)
        411027.04   3723340.34       10.31875  (16122117)               411047.04
3723340.34       10.34315  (16122117)
        411067.04   3723340.34       10.36094  (16122117)               411087.04
3723340.34       10.37454  (16122117)
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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SRCGP1 ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
411267.04	3723340.34	10.16745	(16122117)	411287.04	3723340.34	10.10982	(16122117)
411307.04	3723340.34	10.04413	(16122117)	411327.04	3723340.34	9.97104	(16122117)
411347.04	3723340.34	9.89549	(16122117)	411367.04	3723340.34	9.81177	(16122117)
411387.04	3723340.34	9.72047	(16122117)	411407.04	3723340.34	9.62387	(16122117)
411427.04	3723340.34	9.51947	(16122117)	411447.04	3723340.34	9.41431	(16122117)
411467.04	3723340.34	9.30154	(16122117)	411487.04	3723340.34	9.18135	(16122117)
410707.04	3723360.34	9.10123	(16122117)	410727.04			

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3723360.34        9.21722  (16122117)
        410747.04   3723360.34        9.33125  (16122117)                410767.04
3723360.34        9.43739  (16122117)
        410787.04   3723360.34        9.54164  (16122117)                410807.04
3723360.34        9.64130  (16122117)
        410827.04   3723360.34        9.73327  (16122117)                410847.04
3723360.34        9.82458  (16122117)
        410867.04   3723360.34        9.90916  (16122117)                410887.04
3723360.34        9.98778  (16122117)
        410907.04   3723360.34       10.06042  (16122117)                410927.04
3723360.34       10.12735  (16122117)
        410947.04   3723360.34       10.18793  (16122117)                410967.04
3723360.34       10.24111  (16122117)
        410987.04   3723360.34       10.28839  (16122117)                411007.04
3723360.34       10.33249  (16122117)
        411027.04   3723360.34       10.36716  (16122117)                411047.04
3723360.34       10.39425  (16122117)
        411067.04   3723360.34       10.41493  (16122117)                411087.04
3723360.34       10.43100  (16122117)
        411107.04   3723360.34       10.43750  (16122117)                411127.04
3723360.34       10.43713  (16122117)
        411147.04   3723360.34       10.43015  (16122117)                411167.04
3723360.34       10.41718  (16122117)
        411187.04   3723360.34       10.39875  (16122117)                411207.04
3723360.34       10.37071  (16122117)
        411227.04   3723360.34       10.33583  (16122117)                411247.04
3723360.34       10.29363  (16122117)
        411267.04   3723360.34       10.24411  (16122117)                411287.04
3723360.34       10.18802  (16122117)
        411307.04   3723360.34       10.12492  (16122117)                411327.04
3723360.34       10.05320  (16122117)
        411347.04   3723360.34        9.97834  (16122117)                411367.04
3723360.34        9.89622  (16122117)
        411387.04   3723360.34        9.80693  (16122117)                411407.04
3723360.34        9.71162  (16122117)
        411427.04   3723360.34        9.60824  (16122117)                411447.04
3723360.34        9.50347  (16122117)
        411467.04   3723360.34        9.39054  (16122117)                411487.04
3723360.34        9.27137  (16122117)
        410707.04   3723380.34        9.10417  (16122117)                410727.04
3723380.34        9.22244  (16122117)
        410747.04   3723380.34        9.33932  (16122117)                410767.04
3723380.34        9.44810  (16122117)
        410787.04   3723380.34        9.55522  (16122117)                410807.04
3723380.34        9.65707  (16122117)
        410827.04   3723380.34        9.75269  (16122117)                410847.04
3723380.34        9.84483  (16122117)
        410867.04   3723380.34        9.93177  (16122117)                410887.04
3723380.34       10.01295  (16122117)
        410907.04   3723380.34       10.08867  (16122117)                410927.04
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3723380.34   10.15831 (16122117)
        410947.04   3723380.34   10.22188 (16122117)   410967.04
3723380.34   10.27918 (16122117)
        410987.04   3723380.34   10.33054 (16122117)   411007.04
3723380.34   10.37728 (16122117)
        411027.04   3723380.34   10.41516 (16122117)   411047.04
3723380.34   10.44464 (16122117)
        411067.04   3723380.34   10.46816 (16122117)   411087.04
3723380.34   10.48729 (16122117)
        411107.04   3723380.34   10.49657 (16122117)   411127.04
3723380.34   10.49796 (16122117)
        411147.04   3723380.34   10.49467 (16122117)   411167.04
3723380.34   10.48537 (16122117)
        411187.04   3723380.34   10.46585 (16122117)   411207.04
3723380.34   10.43993 (16122117)
        411227.04   3723380.34   10.40679 (16122117)   411247.04
3723380.34   10.36662 (16122117)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1   ***
                                   INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                   L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0000013   ,
                   L0000014   , L0000015   , L0000016   , L0000017   , L0000018
, L0000019   , L0000020   , L0000021   ,
                   L0000022   , L0000023   , L0000024   , L0000025   , L0000026
, L0000027   , L0000028   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        411267.04   3723380.34   10.31927 (16122117)   411287.04
3723380.34   10.26495 (16122117)
        411307.04   3723380.34   10.20360 (16122117)   411327.04
3723380.34   10.13501 (16122117)

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        411347.04   3723380.34       10.06042  (16122117)               411367.04
3723380.34        9.97925  (16122117)
        411387.04   3723380.34        9.89158  (16122117)               411407.04
3723380.34        9.79724  (16122117)
        411427.04   3723380.34        9.69649  (16122117)               411447.04
3723380.34        9.59083  (16122117)
        411467.04   3723380.34        9.47931  (16122117)               411487.04
3723380.34        9.36252  (16122117)
        411507.04   3723380.34        9.24049  (16122117)               411527.04
3723380.34        9.11360  (16122117)
        411547.04   3723380.34        8.98158  (16122117)               411567.04
3723380.34        8.84706  (16122117)
        411587.04   3723380.34        8.71530  (16122117)               411607.04
3723380.34        8.56332  (16122117)
        410707.04   3723400.34        9.10617  (16122117)               410727.04
3723400.34        9.22665  (16122117)
        410747.04   3723400.34        9.34644  (16122117)               410767.04
3723400.34        9.45773  (16122117)
        410787.04   3723400.34        9.56754  (16122117)               410807.04
3723400.34        9.67306  (16122117)
        410827.04   3723400.34        9.77238  (16122117)               410847.04
3723400.34        9.86757  (16122117)
        410867.04   3723400.34        9.95743  (16122117)               410887.04
3723400.34       10.04146  (16122117)
        410907.04   3723400.34       10.12009  (16122117)               410927.04
3723400.34       10.19268  (16122117)
        410947.04   3723400.34       10.25926  (16122117)               410967.04
3723400.34       10.31900  (16122117)
        410987.04   3723400.34       10.37207  (16122117)               411007.04
3723400.34       10.42173  (16122117)
        411027.04   3723400.34       10.46258  (16122117)               411047.04
3723400.34       10.49564  (16122117)
        411067.04   3723400.34       10.52228  (16122117)               411087.04
3723400.34       10.54309  (16122117)
        411107.04   3723400.34       10.55405  (16122117)               411127.04
3723400.34       10.55887  (16122117)
        411147.04   3723400.34       10.55742  (16122117)               411167.04
3723400.34       10.55042  (16122117)
        411187.04   3723400.34       10.53563  (16122117)               411207.04
3723400.34       10.51219  (16122117)
        411227.04   3723400.34       10.48162  (16122117)               411247.04
3723400.34       10.44339  (16122117)
        411267.04   3723400.34       10.39807  (16122117)               411287.04
3723400.34       10.34558  (16122117)
        411307.04   3723400.34       10.28630  (16122117)               411327.04
3723400.34       10.21987  (16122117)
        411347.04   3723400.34       10.14675  (16122117)               411367.04
3723400.34       10.06673  (16122117)
        411387.04   3723400.34        9.98034  (16122117)               411407.04
3723400.34        9.88672  (16122117)
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        411427.04   3723400.34        9.78725  (16122117)                411447.04
3723400.34        9.68276  (16122117)
        411467.04   3723400.34        9.57213  (16122117)                411487.04
3723400.34        9.45618  (16122117)
        411507.04   3723400.34        9.33219  (16122117)                411527.04
3723400.34        9.20606  (16122117)
        411547.04   3723400.34        9.07322  (16122117)                411567.04
3723400.34        8.93820  (16122117)
        411587.04   3723400.34        8.80652  (16122117)                411607.04
3723400.34        8.66157  (16122117)
        410707.04   3723420.34        9.10647  (16122117)                410727.04
3723420.34        9.22961  (16122117)
        410747.04   3723420.34        9.35180  (16122117)                410767.04
3723420.34        9.46631  (16122117)
        410787.04   3723420.34        9.57948  (16122117)                410807.04
3723420.34        9.68826  (16122117)
        410827.04   3723420.34        9.79062  (16122117)                410847.04
3723420.34        9.88905  (16122117)
        410867.04   3723420.34        9.98130  (16122117)                410887.04
3723420.34       10.06786  (16122117)
        410907.04   3723420.34       10.14893  (16122117)                410927.04
3723420.34       10.22480  (16122117)
        410947.04   3723420.34       10.29500  (16122117)                410967.04
3723420.34       10.35758  (16122117)
        410987.04   3723420.34       10.41286  (16122117)                411007.04
3723420.34       10.46547  (16122117)
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                         ***        16:48:31

                                    PAGE 481
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SRCGP1   ***
                                    INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                              ** CONC OF PM_10    IN MICROGRAMS/M**3
                    **
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X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
411027.04	3723420.34	10.50860	(16122117)	411047.04	3723420.34	10.54458	(16122117)
411067.04	3723420.34	10.57379	(16122117)	411087.04	3723420.34	10.59733	(16122117)
411107.04	3723420.34	10.61113	(16122117)	411127.04	3723420.34	10.61851	(16122117)
411147.04	3723420.34	10.61925	(16122117)	411167.04	3723420.34	10.61455	(16122117)
411187.04	3723420.34	10.60250	(16122117)	411207.04	3723420.34	10.58164	(16122117)
411227.04	3723420.34	10.55312	(16122117)	411247.04	3723420.34	10.51687	(16122117)
411267.04	3723420.34	10.47348	(16122117)	411287.04	3723420.34	10.42318	(16122117)
411307.04	3723420.34	10.36567	(16122117)	411327.04	3723420.34	10.30105	(16122117)
411347.04	3723420.34	10.22933	(16122117)	411367.04	3723420.34	10.15082	(16122117)
411387.04	3723420.34	10.06629	(16122117)	411407.04	3723420.34	9.97359	(16122117)
411427.04	3723420.34	9.87530	(16122117)	411447.04	3723420.34	9.77161	(16122117)
411467.04	3723420.34	9.66172	(16122117)	411487.04	3723420.34	9.54621	(16122117)
411507.04	3723420.34	9.42501	(16122117)	411527.04	3723420.34	9.29922	(16122117)
411547.04	3723420.34	9.16684	(16122117)	411567.04	3723420.34	9.03075	(16122117)
411587.04	3723420.34	8.89859	(16122117)	411607.04	3723420.34	8.75825	(16122117)
410707.04	3723440.34	9.10484	(16122117)	410727.04	3723440.34	9.23198	(16122117)
410747.04	3723440.34	9.35586	(16122117)	410767.04	3723440.34	9.47401	(16122117)
410787.04	3723440.34	9.59046	(16122117)	410807.04	3723440.34	9.70186	(16122117)
410827.04	3723440.34	9.80600	(16122117)	410847.04	3723440.34	9.90864	(16122117)
410867.04	3723440.34	10.00338	(16122117)	410887.04	3723440.34	10.09125	(16122117)
410907.04	3723440.34	10.17483	(16122117)	410927.04	3723440.34	10.25559	(16122117)
410947.04	3723440.34	10.32911	(16122117)	410967.04	3723440.34	10.39435	(16122117)
410987.04	3723440.34	10.45261	(16122117)	411007.04			

3723440.34   10.50824 (16122117)
        411027.04   3723440.34   10.55257 (16122117)   411047.04
3723440.34   10.58979 (16122117)
        411067.04   3723440.34   10.62212 (16122117)   411087.04
3723440.34   10.64977 (16122117)
        411107.04   3723440.34   10.66808 (16122117)   411127.04
3723440.34   10.67734 (16122117)
        411147.04   3723440.34   10.68080 (16122117)   411167.04
3723440.34   10.67936 (16122117)
        411187.04   3723440.34   10.66807 (16122117)   411207.04
3723440.34   10.65057 (16122117)
        411227.04   3723440.34   10.62440 (16122117)   411247.04
3723440.34   10.59059 (16122117)
        411267.04   3723440.34   10.54978 (16122117)   411287.04
3723440.34   10.50098 (16122117)
        411307.04   3723440.34   10.44449 (16122117)   411327.04
3723440.34   10.38213 (16122117)
        411347.04   3723440.34   10.31258 (16122117)   411367.04
3723440.34   10.23576 (16122117)
        411387.04   3723440.34   10.15249 (16122117)   411407.04
3723440.34   10.06193 (16122117)
        411427.04   3723440.34   9.96374 (16122117)   411447.04
3723440.34   9.86053 (16122117)
        411467.04   3723440.34   9.75127 (16122117)   411487.04
3723440.34   9.63832 (16122117)
        411507.04   3723440.34   9.51897 (16122117)   411527.04
3723440.34   9.39296 (16122117)
        411547.04   3723440.34   9.26138 (16122117)   411567.04
3723440.34   9.12369 (16122117)
        411587.04   3723440.34   8.99092 (16122117)   411607.04
3723440.34   8.85372 (16122117)
        410707.04   3723460.34   9.10093 (16122117)   410727.04
3723460.34   9.23086 (16122117)
        410747.04   3723460.34   9.35707 (16122117)   410767.04
3723460.34   9.48006 (16122117)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1   ***
                                   INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0000013   ,
                L0000014   , L0000015   , L0000016   , L0000017   , L0000018

, L0000019   , L0000020   , L0000021   ,
                L0000022   , L0000023   , L0000024   , L0000025   , L0000026
, L0000027   , L0000028   , . . .   ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                     ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        410787.04   3723460.34   9.59949 (16122117)   410807.04
3723460.34   9.71418 (16122117)
        410827.04   3723460.34   9.82090 (16122117)   410847.04
3723460.34   9.92675 (16122117)
        410867.04   3723460.34   10.02438 (16122117)   410887.04
3723460.34   10.11570 (16122117)
        410907.04   3723460.34   10.20174 (16122117)   410927.04
3723460.34   10.28567 (16122117)
        410947.04   3723460.34   10.36195 (16122117)   410967.04
3723460.34   10.42997 (16122117)
        410987.04   3723460.34   10.49161 (16122117)   411007.04
3723460.34   10.55020 (16122117)
        411027.04   3723460.34   10.59788 (16122117)   411047.04
3723460.34   10.63833 (16122117)
        411067.04   3723460.34   10.67360 (16122117)   411087.04
3723460.34   10.70362 (16122117)
        411107.04   3723460.34   10.72522 (16122117)   411127.04
3723460.34   10.73721 (16122117)
        411147.04   3723460.34   10.74351 (16122117)   411167.04
3723460.34   10.74419 (16122117)
        411187.04   3723460.34   10.73619 (16122117)   411207.04
3723460.34   10.72281 (16122117)
        411227.04   3723460.34   10.69895 (16122117)   411247.04
3723460.34   10.66788 (16122117)
        411267.04   3723460.34   10.62933 (16122117)   411287.04
3723460.34   10.58203 (16122117)
        411307.04   3723460.34   10.52532 (16122117)   411327.04
3723460.34   10.46631 (16122117)
        411347.04   3723460.34   10.39920 (16122117)   411367.04
3723460.34   10.32412 (16122117)
        411387.04   3723460.34   10.24219 (16122117)   411407.04
3723460.34   10.15290 (16122117)
        411427.04   3723460.34   10.05445 (16122117)   411447.04
3723460.34   9.95224 (16122117)
        411467.04   3723460.34   9.84444 (16122117)   411487.04
3723460.34   9.73345 (16122117)

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        411507.04   3723460.34        9.61368  (16122117)               411527.04
3723460.34        9.48753  (16122117)
        411547.04   3723460.34        9.35714  (16122117)               411567.04
3723460.34        9.21901  (16122117)
        411587.04   3723460.34        9.08350  (16122117)               411607.04
3723460.34        8.94875  (16122117)
        410707.04   3723480.34        9.10021  (16122117)               410727.04
3723480.34        9.23250  (16122117)
        410747.04   3723480.34        9.36167  (16122117)               410767.04
3723480.34        9.48605  (16122117)
        410787.04   3723480.34        9.60803  (16122117)               410807.04
3723480.34        9.72525  (16122117)
        410827.04   3723480.34        9.83479  (16122117)               410847.04
3723480.34        9.94405  (16122117)
        410867.04   3723480.34       10.04465  (16122117)               410887.04
3723480.34       10.13870  (16122117)
        410907.04   3723480.34       10.22774  (16122117)               410927.04
3723480.34       10.31482  (16122117)
        410947.04   3723480.34       10.39405  (16122117)               410967.04
3723480.34       10.46487  (16122117)
        410987.04   3723480.34       10.52968  (16122117)               411007.04
3723480.34       10.59143  (16122117)
        411027.04   3723480.34       10.64212  (16122117)               411047.04
3723480.34       10.68568  (16122117)
        411067.04   3723480.34       10.72394  (16122117)               411087.04
3723480.34       10.75749  (16122117)
        411107.04   3723480.34       10.78204  (16122117)               411127.04
3723480.34       10.79659  (16122117)
        411147.04   3723480.34       10.80562  (16122117)               411167.04
3723480.34       10.80904  (16122117)
        411187.04   3723480.34       10.80380  (16122117)               411207.04
3723480.34       10.79295  (16122117)
        411227.04   3723480.34       10.77171  (16122117)               411247.04
3723480.34       10.74287  (16122117)
        411267.04   3723480.34       10.70669  (16122117)               411287.04
3723480.34       10.66145  (16122117)
        411307.04   3723480.34       10.60686  (16122117)               411327.04
3723480.34       10.54971  (16122117)
        411347.04   3723480.34       10.48480  (16122117)               411367.04
3723480.34       10.41172  (16122117)
        411387.04   3723480.34       10.33084  (16122117)               411407.04
3723480.34       10.24266  (16122117)
        411427.04   3723480.34       10.14563  (16122117)               411447.04
3723480.34       10.04464  (16122117)
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                        ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        16:48:31
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SRCGP1 ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
411467.04	3723480.34	9.93782	(16122117)	411487.04	3723480.34	9.82760	(16122117)
411507.04	3723480.34	9.70923	(16122117)	411527.04	3723480.34	9.58333	(16122117)
411547.04	3723480.34	9.45345	(16122117)	411567.04	3723480.34	9.31557	(16122117)
411587.04	3723480.34	9.17759	(16122117)	411607.04	3723480.34	9.04380	(16122117)
410707.04	3723500.34	9.09742	(16122117)	410727.04	3723500.34	9.23286	(16122117)
410747.04	3723500.34	9.36424	(16122117)	410767.04	3723500.34	9.49059	(16122117)
410787.04	3723500.34	9.61523	(16122117)	410807.04	3723500.34	9.73518	(16122117)
410827.04	3723500.34	9.84779	(16122117)	410847.04	3723500.34	9.95960	(16122117)
410867.04	3723500.34	10.06359	(16122117)	410887.04	3723500.34	10.16069	(16122117)
410907.04	3723500.34	10.25296	(16122117)	410927.04	3723500.34	10.34322	(16122117)
410947.04	3723500.34	10.42537	(16122117)	410967.04	3723500.34	10.49914	(16122117)
410987.04	3723500.34	10.56711	(16122117)	411007.04	3723500.34	10.63164	(16122117)
411027.04	3723500.34	10.68615	(16122117)	411047.04	3723500.34	10.73260	(16122117)
411067.04	3723500.34	10.77395	(16122117)	411087.04			

3723500.34 10.81047 (16122117)
411107.04 3723500.34 10.83765 (16122117) 411127.04
3723500.34 10.85524 (16122117)
411147.04 3723500.34 10.86710 (16122117) 411167.04
3723500.34 10.87350 (16122117)
411187.04 3723500.34 10.87113 (16122117) 411207.04
3723500.34 10.86303 (16122117)
411227.04 3723500.34 10.84406 (16122117) 411247.04
3723500.34 10.81755 (16122117)
411267.04 3723500.34 10.78360 (16122117) 411287.04
3723500.34 10.74063 (16122117)
411307.04 3723500.34 10.68874 (16122117) 411327.04
3723500.34 10.63337 (16122117)
411347.04 3723500.34 10.57031 (16122117) 411367.04
3723500.34 10.49803 (16122117)
411387.04 3723500.34 10.41909 (16122117) 411407.04
3723500.34 10.33304 (16122117)
411427.04 3723500.34 10.23745 (16122117) 411447.04
3723500.34 10.13773 (16122117)
411467.04 3723500.34 10.03210 (16122117) 411487.04
3723500.34 9.92268 (16122117)
411507.04 3723500.34 9.80461 (16122117) 411527.04
3723500.34 9.67981 (16122117)
411547.04 3723500.34 9.55015 (16122117) 411567.04
3723500.34 9.41352 (16122117)
411587.04 3723500.34 9.27362 (16122117) 411607.04
3723500.34 9.13845 (16122117)
410707.04 3723520.34 9.09208 (16122117) 410727.04
3723520.34 9.23008 (16122117)
410747.04 3723520.34 9.36435 (16122117) 410767.04
3723520.34 9.49385 (16122117)
410787.04 3723520.34 9.62126 (16122117) 410807.04
3723520.34 9.74427 (16122117)
410827.04 3723520.34 9.85969 (16122117) 410847.04
3723520.34 9.97477 (16122117)
410867.04 3723520.34 10.08148 (16122117) 410887.04
3723520.34 10.18174 (16122117)
410907.04 3723520.34 10.27701 (16122117) 410927.04
3723520.34 10.37039 (16122117)
410947.04 3723520.34 10.45559 (16122117) 410967.04
3723520.34 10.53282 (16122117)
410987.04 3723520.34 10.60355 (16122117) 411007.04
3723520.34 10.67143 (16122117)
411027.04 3723520.34 10.72890 (16122117) 411047.04
3723520.34 10.77872 (16122117)
411067.04 3723520.34 10.82304 (16122117) 411087.04
3723520.34 10.86241 (16122117)
411107.04 3723520.34 10.89284 (16122117) 411127.04
3723520.34 10.91352 (16122117)
411147.04 3723520.34 10.92823 (16122117) 411167.04

```
3723520.34       10.93742  (16122117)
        411187.04   3723520.34       10.93833  (16122117)                411207.04
3723520.34       10.93277  (16122117)
```

```
                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SRCGP1   ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                 L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                 L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
        411227.04   3723520.34       10.91729  (16122117)                411247.04
3723520.34       10.89238  (16122117)
        411267.04   3723520.34       10.86020  (16122117)                411287.04
3723520.34       10.81993  (16122117)
        411307.04   3723520.34       10.77221  (16122117)                411327.04
3723520.34       10.71790  (16122117)
        411347.04   3723520.34       10.65548  (16122117)                411367.04
3723520.34       10.58534  (16122117)
        411387.04   3723520.34       10.50803  (16122117)                411407.04
3723520.34       10.42488  (16122117)
        411427.04   3723520.34       10.33173  (16122117)                411447.04
3723520.34       10.23490  (16122117)
        411467.04   3723520.34       10.13024  (16122117)                411487.04
3723520.34       10.02147  (16122117)
        411507.04   3723520.34        9.90570  (16122117)                411527.04
3723520.34        9.77884  (16122117)
        411547.04   3723520.34        9.64741  (16122117)                411567.04
3723520.34        9.51245  (16122117)
```

411587.04 3723520.34 9.37109 (16122117) 411607.04 3723520.34 9.23351 (16122117)
410707.04 3723540.34 9.08447 (16122117) 410727.04 3723540.34 9.22502 (16122117)
410747.04 3723540.34 9.36227 (16122117) 410767.04 3723540.34 9.49592 (16122117)
410787.04 3723540.34 9.62629 (16122117) 410807.04 3723540.34 9.75214 (16122117)
410827.04 3723540.34 9.87068 (16122117) 410847.04 3723540.34 9.98846 (16122117)
410867.04 3723540.34 10.09853 (16122117) 410887.04 3723540.34 10.20174 (16122117)
410907.04 3723540.34 10.30024 (16122117) 410927.04 3723540.34 10.39676 (16122117)
410947.04 3723540.34 10.48468 (16122117) 410967.04 3723540.34 10.56480 (16122117)
410987.04 3723540.34 10.63908 (16122117) 411007.04 3723540.34 10.71025 (16122117)
411027.04 3723540.34 10.77128 (16122117) 411047.04 3723540.34 10.82406 (16122117)
411067.04 3723540.34 10.87175 (16122117) 411087.04 3723540.34 10.91414 (16122117)
411107.04 3723540.34 10.94763 (16122117) 411127.04 3723540.34 10.97113 (16122117)
411147.04 3723540.34 10.98909 (16122117) 411167.04 3723540.34 11.00125 (16122117)
411187.04 3723540.34 11.00477 (16122117) 411207.04 3723540.34 11.00220 (16122117)
411227.04 3723540.34 10.98816 (16122117) 411247.04 3723540.34 10.96681 (16122117)
411267.04 3723540.34 10.93736 (16122117) 411287.04 3723540.34 10.89916 (16122117)
411307.04 3723540.34 10.85226 (16122117) 411327.04 3723540.34 10.80084 (16122117)
411347.04 3723540.34 10.74105 (16122117) 411367.04 3723540.34 10.67307 (16122117)
411387.04 3723540.34 10.59784 (16122117) 411407.04 3723540.34 10.51485 (16122117)
411427.04 3723540.34 10.42232 (16122117) 411447.04 3723540.34 10.32539 (16122117)
411467.04 3723540.34 10.22215 (16122117) 411487.04 3723540.34 10.11483 (16122117)
411507.04 3723540.34 9.99898 (16122117) 411527.04 3723540.34 9.87501 (16122117)
411547.04 3723540.34 9.74564 (16122117) 411567.04 3723540.34 9.61185 (16122117)
411587.04 3723540.34 9.47007 (16122117) 411607.04 3723540.34 9.33000 (16122117)
410707.04 3723560.34 9.07923 (16122117) 410727.04 3723560.34 9.22214 (16122117)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1   ***
                                    INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                   L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0000013   ,
                   L0000014   , L0000015   , L0000016   , L0000017   , L0000018
, L0000019   , L0000020   , L0000021   ,
                   L0000022   , L0000023   , L0000024   , L0000025   , L0000026
, L0000027   , L0000028   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        410987.04   3723560.34   10.67385 (16122117)   411007.04
3723560.34   10.74824 (16122117)
        411027.04   3723560.34   10.81236 (16122117)   411047.04
3723560.34   10.86879 (16122117)
        411067.04   3723560.34   10.91949 (16122117)   411087.04
3723560.34   10.96494 (16122117)
        411107.04   3723560.34   11.00167 (16122117)   411127.04
3723560.34   11.02839 (16122117)
        411147.04   3723560.34   11.04917 (16122117)   411167.04

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3723560.34       11.06456  (16122117)
        411187.04   3723560.34       11.07085  (16122117)                411207.04
3723560.34       11.07108  (16122117)
        411227.04   3723560.34       11.06024  (16122117)                411247.04
3723560.34       11.04163  (16122117)
        411267.04   3723560.34       11.01481  (16122117)                411287.04
3723560.34       10.97836  (16122117)
        411307.04   3723560.34       10.93328  (16122117)                411327.04
3723560.34       10.88437  (16122117)
        411347.04   3723560.34       10.82740  (16122117)                411367.04
3723560.34       10.76175  (16122117)
        411387.04   3723560.34       10.68806  (16122117)                411407.04
3723560.34       10.60670  (16122117)
        411427.04   3723560.34       10.51459  (16122117)                411447.04
3723560.34       10.41876  (16122117)
        411467.04   3723560.34       10.31651  (16122117)                411487.04
3723560.34       10.21086  (16122117)
        411507.04   3723560.34       10.09445  (16122117)                411527.04
3723560.34        9.97118  (16122117)
        411547.04   3723560.34        9.84521  (16122117)                411567.04
3723560.34        9.71188  (16122117)
        411587.04   3723560.34        9.57017  (16122117)                411607.04
3723560.34        9.42827  (16122117)
        410707.04   3723580.34        9.07179  (16122117)                410727.04
3723580.34        9.21745  (16122117)
        410747.04   3723580.34        9.36046  (16122117)                410767.04
3723580.34        9.49753  (16122117)
        410787.04   3723580.34        9.63189  (16122117)                410807.04
3723580.34        9.76290  (16122117)
        410827.04   3723580.34        9.88789  (16122117)                410847.04
3723580.34       10.00970  (16122117)
        410867.04   3723580.34       10.12615  (16122117)                410887.04
3723580.34       10.23738  (16122117)
        410907.04   3723580.34       10.34291  (16122117)                410927.04
3723580.34       10.44377  (16122117)
        410947.04   3723580.34       10.53807  (16122117)                410967.04
3723580.34       10.62564  (16122117)
        410987.04   3723580.34       10.70713  (16122117)                411007.04
3723580.34       10.78276  (16122117)
        411027.04   3723580.34       10.85079  (16122117)                411047.04
3723580.34       10.91161  (16122117)
        411067.04   3723580.34       10.96540  (16122117)                411087.04
3723580.34       11.01264  (16122117)
        411107.04   3723580.34       11.05207  (16122117)                411127.04
3723580.34       11.08392  (16122117)
        411147.04   3723580.34       11.10815  (16122117)                411167.04
3723580.34       11.12707  (16122117)
        411187.04   3723580.34       11.13657  (16122117)                411207.04
3723580.34       11.13976  (16122117)
        411227.04   3723580.34       11.13175  (16122117)                411247.04
```

3723580.34   11.11583 (16122117)
        411267.04   3723580.34   11.09243 (16122117)   411287.04
3723580.34   11.05791 (16122117)
        411307.04   3723580.34   11.01483 (16122117)   411327.04
3723580.34   10.96815 (16122117)
        411347.04   3723580.34   10.91357 (16122117)   411367.04
3723580.34   10.84966 (16122117)
        411387.04   3723580.34   10.77852 (16122117)   411407.04
3723580.34   10.69857 (16122117)
        411427.04   3723580.34   10.60784 (16122117)   411447.04
3723580.34   10.51347 (16122117)
        411467.04   3723580.34   10.41254 (16122117)   411487.04
3723580.34   10.30773 (16122117)
        411507.04   3723580.34   10.19266 (16122117)   411527.04
3723580.34   10.07019 (16122117)
        411547.04   3723580.34   9.94497 (16122117)   411567.04
3723580.34   9.81238 (16122117)
        411587.04   3723580.34   9.67141 (16122117)   411607.04
3723580.34   9.52832 (16122117)
        410707.04   3723600.34   9.06179 (16122117)   410727.04
3723600.34   9.21009 (16122117)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1   ***
                                   INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                  L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0000013   ,
                  L0000014   , L0000015   , L0000016   , L0000017   , L0000018
, L0000019   , L0000020   , L0000021   ,
                  L0000022   , L0000023   , L0000024   , L0000025   , L0000026
, L0000027   , L0000028   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -

```
        410747.04   3723600.34        9.35496  (16122117)               410767.04
3723600.34        9.49614  (16122117)
        410787.04   3723600.34        9.63484  (16122117)               410807.04
3723600.34        9.76972  (16122117)
        410827.04   3723600.34        9.89798  (16122117)               410847.04
3723600.34       10.02200  (16122117)
        410867.04   3723600.34       10.14197  (16122117)               410887.04
3723600.34       10.25600  (16122117)
        410907.04   3723600.34       10.36538  (16122117)               410927.04
3723600.34       10.46897  (16122117)
        410947.04   3723600.34       10.56634  (16122117)               410967.04
3723600.34       10.65787  (16122117)
        410987.04   3723600.34       10.74283  (16122117)               411007.04
3723600.34       10.82115  (16122117)
        411027.04   3723600.34       10.89281  (16122117)               411047.04
3723600.34       10.95726  (16122117)
        411067.04   3723600.34       11.01210  (16122117)               411087.04
3723600.34       11.06377  (16122117)
        411107.04   3723600.34       11.10673  (16122117)               411127.04
3723600.34       11.14183  (16122117)
        411147.04   3723600.34       11.16901  (16122117)               411167.04
3723600.34       11.18936  (16122117)
        411187.04   3723600.34       11.20217  (16122117)               411207.04
3723600.34       11.20697  (16122117)
        411227.04   3723600.34       11.20198  (16122117)               411247.04
3723600.34       11.18836  (16122117)
        411267.04   3723600.34       11.16708  (16122117)               411287.04
3723600.34       11.13624  (16122117)
        411307.04   3723600.34       11.09698  (16122117)               411327.04
3723600.34       11.05188  (16122117)
        411347.04   3723600.34       10.99878  (16122117)               411367.04
3723600.34       10.93655  (16122117)
        411387.04   3723600.34       10.86710  (16122117)               411407.04
3723600.34       10.78946  (16122117)
        411427.04   3723600.34       10.70167  (16122117)               411447.04
3723600.34       10.60895  (16122117)
        411467.04   3723600.34       10.50910  (16122117)               411487.04
3723600.34       10.40448  (16122117)
        411507.04   3723600.34       10.29061  (16122117)               411527.04
3723600.34       10.17000  (16122117)
        411547.04   3723600.34       10.04532  (16122117)               411567.04
3723600.34        9.91352  (16122117)
        411587.04   3723600.34        9.77379  (16122117)               411607.04
3723600.34        9.63048  (16122117)
        410707.04   3723620.34        9.04980  (16122117)               410727.04
3723620.34        9.20081  (16122117)
        410747.04   3723620.34        9.34894  (16122117)               410767.04
3723620.34        9.49364  (16122117)
        410787.04   3723620.34        9.63598  (16122117)               410807.04
3723620.34        9.77457  (16122117)
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        410827.04   3723620.34        9.90639  (16122117)               410847.04
3723620.34       10.03386  (16122117)
        410867.04   3723620.34       10.15692  (16122117)               410887.04
3723620.34       10.27472  (16122117)
        410907.04   3723620.34       10.38764  (16122117)               410927.04
3723620.34       10.49367  (16122117)
        410947.04   3723620.34       10.59435  (16122117)               410967.04
3723620.34       10.68924  (16122117)
        410987.04   3723620.34       10.77774  (16122117)               411007.04
3723620.34       10.85934  (16122117)
        411027.04   3723620.34       10.93416  (16122117)               411047.04
3723620.34       11.00187  (16122117)
        411067.04   3723620.34       11.05878  (16122117)               411087.04
3723620.34       11.11431  (16122117)
        411107.04   3723620.34       11.16103  (16122117)               411127.04
3723620.34       11.19955  (16122117)
        411147.04   3723620.34       11.22997  (16122117)               411167.04
3723620.34       11.25207  (16122117)
        411187.04   3723620.34       11.26682  (16122117)               411207.04
3723620.34       11.27240  (16122117)
        411227.04   3723620.34       11.27014  (16122117)               411247.04
3723620.34       11.25962  (16122117)
        411267.04   3723620.34       11.24065  (16122117)               411287.04
3723620.34       11.21321  (16122117)
        411307.04   3723620.34       11.17771  (16122117)               411327.04
3723620.34       11.13398  (16122117)
        411347.04   3723620.34       11.08246  (16122117)               411367.04
3723620.34       11.02237  (16122117)
        411387.04   3723620.34       10.95447  (16122117)               411407.04
3723620.34       10.87864  (16122117)
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                        ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        16:48:31

                                   PAGE 487
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SRCGP1   ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
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** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
411427.04	3723620.34	10.79527	(16122117)	411447.04	3723620.34	10.70439	(16122117)
411467.04	3723620.34	10.60586	(16122117)	411487.04	3723620.34	10.50019	(16122117)
411507.04	3723620.34	10.38800	(16122117)	411527.04	3723620.34	10.26987	(16122117)
411547.04	3723620.34	10.14702	(16122117)	411567.04	3723620.34	10.01552	(16122117)
411587.04	3723620.34	9.87704	(16122117)	411607.04	3723620.34	9.73371	(16122117)
410707.04	3723640.34	9.04029	(16122117)	410727.04	3723640.34	9.19335	(16122117)
410747.04	3723640.34	9.34409	(16122117)	410767.04	3723640.34	9.49038	(16122117)
410787.04	3723640.34	9.63576	(16122117)	410807.04	3723640.34	9.77768	(16122117)
410827.04	3723640.34	9.91284	(16122117)	410847.04	3723640.34	10.04420	(16122117)
410867.04	3723640.34	10.17112	(16122117)	410887.04	3723640.34	10.29210	(16122117)
410907.04	3723640.34	10.40782	(16122117)	410927.04	3723640.34	10.51718	(16122117)
410947.04	3723640.34	10.62015	(16122117)	410967.04	3723640.34	10.71826	(16122117)
410987.04	3723640.34	10.81065	(16122117)	411007.04	3723640.34	10.89551	(16122117)
411027.04	3723640.34	10.97391	(16122117)	411047.04	3723640.34	11.04464	(16122117)
411067.04	3723640.34	11.10536	(16122117)	411087.04	3723640.34	11.16398	(16122117)
411107.04	3723640.34	11.21337	(16122117)	411127.04	3723640.34	11.25513	(16122117)
411147.04	3723640.34	11.28826	(16122117)	411167.04	3723640.34	11.31331	(16122117)
411187.04	3723640.34	11.33058	(16122117)	411207.04	3723640.34	11.33908	(16122117)
411227.04	3723640.34	11.34059	(16122117)	411247.04	3723640.34	11.33327	(16122117)
411267.04	3723640.34	11.31734	(16122117)	411287.04	3723640.34	11.29297	(16122117)
411307.04	3723640.34	11.26023	(16122117)	411327.04			

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3723640.34       11.21928  (16122117)
        411347.04   3723640.34       11.16974  (16122117)                411367.04
3723640.34       11.11254  (16122117)
        411387.04   3723640.34       11.04618  (16122117)                411407.04
3723640.34       10.97304  (16122117)
        411427.04   3723640.34       10.89225  (16122117)                411447.04
3723640.34       10.80162  (16122117)
        411467.04   3723640.34       10.70569  (16122117)                411487.04
3723640.34       10.60295  (16122117)
        411507.04   3723640.34       10.49227  (16122117)                411527.04
3723640.34       10.37486  (16122117)
        411547.04   3723640.34       10.25041  (16122117)                411567.04
3723640.34       10.11837  (16122117)
        411587.04   3723640.34        9.98100  (16122117)                411607.04
3723640.34        9.83721  (16122117)
        410707.04   3723660.34        9.02762  (16122117)                410727.04
3723660.34        9.18407  (16122117)
        410747.04   3723660.34        9.33777  (16122117)                410767.04
3723660.34        9.48593  (16122117)
        410787.04   3723660.34        9.63435  (16122117)                410807.04
3723660.34        9.77819  (16122117)
        410827.04   3723660.34        9.91547  (16122117)                410847.04
3723660.34       10.04999  (16122117)
        410867.04   3723660.34       10.17986  (16122117)                410887.04
3723660.34       10.30453  (16122117)
        410907.04   3723660.34       10.42392  (16122117)                410927.04
3723660.34       10.53730  (16122117)
        410947.04   3723660.34       10.64159  (16122117)                410967.04
3723660.34       10.74285  (16122117)
        410987.04   3723660.34       10.83831  (16122117)                411007.04
3723660.34       10.92672  (16122117)
        411027.04   3723660.34       11.00848  (16122117)                411047.04
3723660.34       11.08300  (16122117)
        411067.04   3723660.34       11.14964  (16122117)                411087.04
3723660.34       11.20974  (16122117)
        411107.04   3723660.34       11.26227  (16122117)                411127.04
3723660.34       11.30662  (16122117)
        411147.04   3723660.34       11.34309  (16122117)                411167.04
3723660.34       11.37160  (16122117)
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                        ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        16:48:31

                                  PAGE 488
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SRCGP1   ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
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, L0000003    , L0000004    , L0000005    ,
                L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        411187.04   3723660.34       11.39173  (16122117)               411207.04
3723660.34       11.40343  (16122117)
        411227.04   3723660.34       11.40925  (16122117)               411247.04
3723660.34       11.40602  (16122117)
        411267.04   3723660.34       11.39456  (16122117)               411287.04
3723660.34       11.37476  (16122117)
        411307.04   3723660.34       11.34445  (16122117)               411327.04
3723660.34       11.30574  (16122117)
        411347.04   3723660.34       11.25886  (16122117)               411367.04
3723660.34       11.20304  (16122117)
        411387.04   3723660.34       11.14017  (16122117)               411407.04
3723660.34       11.06854  (16122117)
        411427.04   3723660.34       10.98848  (16122117)               411447.04
3723660.34       10.89830  (16122117)
        411467.04   3723660.34       10.80462  (16122117)               411487.04
3723660.34       10.70440  (16122117)
        411507.04   3723660.34       10.59467  (16122117)               411527.04
3723660.34       10.47801  (16122117)
        411547.04   3723660.34       10.35416  (16122117)               411567.04
3723660.34       10.22196  (16122117)
        411587.04   3723660.34       10.08549  (16122117)               411607.04
3723660.34        9.94199  (16122117)
        410907.04   3723680.34       10.44140  (16122117)               410927.04
3723680.34       10.55696  (16122117)
        410947.04   3723680.34       10.66610  (16122117)               410967.04
3723680.34       10.77088  (16122117)
        410987.04   3723680.34       10.86960  (16122117)               411007.04
3723680.34       10.96174  (16122117)
        411027.04   3723680.34       11.04695  (16122117)               411047.04
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3723680.34       11.25836  (16122117)
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        411107.04   3723680.34       11.31422  (16122117)                411127.04
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        411147.04   3723680.34       11.40253  (16122117)                411167.04
3723680.34       11.43505  (16122117)
        411187.04   3723680.34       11.45701  (16122117)                411207.04
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3723680.34       11.47884  (16122117)
        411267.04   3723680.34       11.47089  (16122117)                411287.04
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        411307.04   3723680.34       11.42628  (16122117)                411327.04
3723680.34       11.39042  (16122117)
        411347.04   3723680.34       11.34604  (16122117)                411367.04
3723680.34       11.29360  (16122117)
        411387.04   3723680.34       11.23205  (16122117)                411407.04
3723680.34       11.16246  (16122117)
        411427.04   3723680.34       11.08423  (16122117)                411447.04
3723680.34       10.99749  (16122117)
        411467.04   3723680.34       10.90499  (16122117)                411487.04
3723680.34       10.80467  (16122117)
        411507.04   3723680.34       10.69448  (16122117)                411527.04
3723680.34       10.57897  (16122117)
        411547.04   3723680.34       10.45850  (16122117)                411567.04
3723680.34       10.32634  (16122117)
        411587.04   3723680.34       10.19083  (16122117)                411607.04
3723680.34       10.04973  (16122117)
        410907.04   3723700.34       10.45638  (16122117)                410927.04
3723700.34       10.57498  (16122117)
        410947.04   3723700.34       10.68845  (16122117)                410967.04
3723700.34       10.79616  (16122117)
        410987.04   3723700.34       10.89843  (16122117)                411007.04
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        411027.04   3723700.34       11.08277  (16122117)                411047.04
3723700.34       11.16404  (16122117)
        411067.04   3723700.34       11.23927  (16122117)                411087.04
3723700.34       11.30591  (16122117)
        411107.04   3723700.34       11.36515  (16122117)                411127.04
3723700.34       11.41504  (16122117)
        411147.04   3723700.34       11.45930  (16122117)                411167.04
3723700.34       11.49533  (16122117)
        411187.04   3723700.34       11.51989  (16122117)                411207.04
3723700.34       11.53590  (16122117)
        411227.04   3723700.34       11.54839  (16122117)                411247.04
3723700.34       11.55132  (16122117)
        411267.04   3723700.34       11.54628  (16122117)                411287.04
3723700.34       11.53232  (16122117)
        411307.04   3723700.34       11.50740  (16122117)                411327.04
3723700.34       11.47416  (16122117)
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***        05/26/20
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 *** AERMET - VERSION  16216 ***   ***
                       ***       16:48:31

                                 PAGE 489
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                             *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SRCGP1   ***
                                 INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                 L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                 L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                            *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
        411347.04   3723700.34       11.43252  (16122117)                411367.04
3723700.34       11.38156  (16122117)
        411387.04   3723700.34       11.32304  (16122117)                411407.04
3723700.34       11.25543  (16122117)
        411427.04   3723700.34       11.17927  (16122117)                411447.04
3723700.34       11.09313  (16122117)
        411467.04   3723700.34       11.00308  (16122117)                411487.04
3723700.34       10.90506  (16122117)
        411507.04   3723700.34       10.79637  (16122117)                411527.04
3723700.34       10.68228  (16122117)
        411547.04   3723700.34       10.56252  (16122117)                411567.04
3723700.34       10.43156  (16122117)
        411587.04   3723700.34       10.29702  (16122117)                411607.04
3723700.34       10.15629  (16122117)
        410907.04   3723720.34       10.46902  (16122117)                410927.04
3723720.34       10.59153  (16122117)
        410947.04   3723720.34       10.70886  (16122117)                410967.04
3723720.34       10.81956  (16122117)
        410987.04   3723720.34       10.92420  (16122117)                411007.04
3723720.34       11.02321  (16122117)
        411027.04   3723720.34       11.11573  (16122117)                411047.04
3723720.34       11.20023  (16122117)
        411067.04   3723720.34       11.28114  (16122117)                411087.04
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3723720.34 11.35169 (16122117)
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3723720.34 11.55449 (16122117)
411187.04 3723720.34 11.58260 (16122117) 411207.04
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411267.04 3723720.34 11.62106 (16122117) 411287.04
3723720.34 11.60893 (16122117)
411307.04 3723720.34 11.58762 (16122117) 411327.04
3723720.34 11.55727 (16122117)
411347.04 3723720.34 11.51745 (16122117) 411367.04
3723720.34 11.46980 (16122117)
411387.04 3723720.34 11.41292 (16122117) 411407.04
3723720.34 11.34811 (16122117)
411427.04 3723720.34 11.27422 (16122117) 411447.04
3723720.34 11.19047 (16122117)
411467.04 3723720.34 11.10181 (16122117) 411487.04
3723720.34 11.00572 (16122117)
411507.04 3723720.34 10.90010 (16122117) 411527.04
3723720.34 10.78712 (16122117)
411547.04 3723720.34 10.66691 (16122117) 411567.04
3723720.34 10.53750 (16122117)
411587.04 3723720.34 10.40400 (16122117) 411607.04
3723720.34 10.26402 (16122117)
410907.04 3723740.34 10.48162 (16122117) 410927.04
3723740.34 10.60741 (16122117)
410947.04 3723740.34 10.72849 (16122117) 410967.04
3723740.34 10.84388 (16122117)
410987.04 3723740.34 10.95196 (16122117) 411007.04
3723740.34 11.05359 (16122117)
411027.04 3723740.34 11.14972 (16122117) 411047.04
3723740.34 11.23748 (16122117)
411067.04 3723740.34 11.32046 (16122117) 411087.04
3723740.34 11.39547 (16122117)
411107.04 3723740.34 11.46148 (16122117) 411127.04
3723740.34 11.51822 (16122117)
411147.04 3723740.34 11.56946 (16122117) 411167.04
3723740.34 11.61307 (16122117)
411187.04 3723740.34 11.64486 (16122117) 411207.04
3723740.34 11.66754 (16122117)
411227.04 3723740.34 11.68701 (16122117) 411247.04
3723740.34 11.69577 (16122117)
411267.04 3723740.34 11.69525 (16122117) 411287.04
3723740.34 11.68573 (16122117)
411307.04 3723740.34 11.66685 (16122117) 411327.04
3723740.34 11.63920 (16122117)
411347.04 3723740.34 11.60312 (16122117) 411367.04

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3723740.34       11.55741  (16122117)
        411387.04   3723740.34       11.50311  (16122117)                411407.04
3723740.34       11.44050  (16122117)
        411427.04   3723740.34       11.36993  (16122117)                411447.04
3723740.34       11.29049  (16122117)
        411467.04   3723740.34       11.20292  (16122117)                411487.04
3723740.34       11.10742  (16122117)
↑ *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                         ***       05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***       16:48:31

                                  PAGE 490
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SRCGP1   ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                 L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                 L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
        411507.04   3723740.34       11.00333  (16122117)                411527.04
3723740.34       10.89096  (16122117)
        411547.04   3723740.34       10.77190  (16122117)                411567.04
3723740.34       10.64421  (16122117)
        411587.04   3723740.34       10.51159  (16122117)                411607.04
3723740.34       10.37209  (16122117)
        410907.04   3723760.34       10.49185  (16122117)                410927.04
3723760.34       10.62077  (16122117)
        410947.04   3723760.34       10.74492  (16122117)                410967.04
3723760.34       10.86445  (16122117)
        410987.04   3723760.34       10.97706  (16122117)                411007.04
3723760.34       11.08170  (16122117)
        411027.04   3723760.34       11.18146  (16122117)                411047.04
3723760.34       11.27316  (16122117)
```

411067.04 3723760.34 11.36007 (16122117) 411087.04 3723760.34 11.43880 (16122117)
411107.04 3723760.34 11.50846 (16122117) 411127.04 3723760.34 11.56861 (16122117)
411147.04 3723760.34 11.62332 (16122117) 411167.04 3723760.34 11.67076 (16122117)
411187.04 3723760.34 11.70657 (16122117) 411207.04 3723760.34 11.73255 (16122117)
411227.04 3723760.34 11.75522 (16122117) 411247.04 3723760.34 11.76775 (16122117)
411267.04 3723760.34 11.77058 (16122117) 411287.04 3723760.34 11.76438 (16122117)
411307.04 3723760.34 11.74911 (16122117) 411327.04 3723760.34 11.72457 (16122117)
411347.04 3723760.34 11.69229 (16122117) 411367.04 3723760.34 11.64938 (16122117)
411387.04 3723760.34 11.59818 (16122117) 411407.04 3723760.34 11.53674 (16122117)
411427.04 3723760.34 11.46902 (16122117) 411447.04 3723760.34 11.39274 (16122117)
411467.04 3723760.34 11.30537 (16122117) 411487.04 3723760.34 11.21071 (16122117)
411507.04 3723760.34 11.10804 (16122117) 411527.04 3723760.34 10.99806 (16122117)
411547.04 3723760.34 10.87901 (16122117) 411567.04 3723760.34 10.75192 (16122117)
411587.04 3723760.34 10.61970 (16122117) 411607.04 3723760.34 10.48160 (16122117)
410907.04 3723780.34 10.50126 (16122117) 410927.04 3723780.34 10.63339 (16122117)
410947.04 3723780.34 10.76195 (16122117) 410967.04 3723780.34 10.88472 (16122117)
410987.04 3723780.34 11.00013 (16122117) 411007.04 3723780.34 11.11071 (16122117)
411027.04 3723780.34 11.21327 (16122117) 411047.04 3723780.34 11.30811 (16122117)
411067.04 3723780.34 11.39912 (16122117) 411087.04 3723780.34 11.48126 (16122117)
411107.04 3723780.34 11.55429 (16122117) 411127.04 3723780.34 11.61716 (16122117)
411147.04 3723780.34 11.67673 (16122117) 411167.04 3723780.34 11.72794 (16122117)
411187.04 3723780.34 11.76777 (16122117) 411207.04 3723780.34 11.79704 (16122117)
411227.04 3723780.34 11.82325 (16122117) 411247.04 3723780.34 11.83897 (16122117)
411267.04 3723780.34 11.84423 (16122117) 411287.04 3723780.34 11.84137 (16122117)
411307.04 3723780.34 11.82933 (16122117) 411327.04 3723780.34 11.80764 (16122117)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1   ***
                                    INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                   L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0000013   ,
                   L0000014   , L0000015   , L0000016   , L0000017   , L0000018
, L0000019   , L0000020   , L0000021   ,
                   L0000022   , L0000023   , L0000024   , L0000025   , L0000026
, L0000027   , L0000028   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                    **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        410947.04   3723800.34   10.77684 (16122117)   410967.04
3723800.34   10.90338 (16122117)
        410987.04   3723800.34   11.02205 (16122117)   411007.04
3723800.34   11.13596 (16122117)
        411027.04   3723800.34   11.24312 (16122117)   411047.04

3723800.34 11.34301 (16122117)
411067.04 3723800.34 11.43609 (16122117) 411087.04
3723800.34 11.52142 (16122117)
411107.04 3723800.34 11.59849 (16122117) 411127.04
3723800.34 11.66576 (16122117)
411147.04 3723800.34 11.72927 (16122117) 411167.04
3723800.34 11.78365 (16122117)
411187.04 3723800.34 11.82809 (16122117) 411207.04
3723800.34 11.86093 (16122117)
411227.04 3723800.34 11.89041 (16122117) 411247.04
3723800.34 11.90931 (16122117)
411267.04 3723800.34 11.91752 (16122117) 411287.04
3723800.34 11.91753 (16122117)
411307.04 3723800.34 11.90828 (16122117) 411327.04
3723800.34 11.89019 (16122117)
411347.04 3723800.34 11.86413 (16122117) 411367.04
3723800.34 11.82743 (16122117)
411387.04 3723800.34 11.78180 (16122117) 411407.04
3723800.34 11.72475 (16122117)
411427.04 3723800.34 11.66116 (16122117) 411447.04
3723800.34 11.58869 (16122117)
411467.04 3723800.34 11.50593 (16122117) 411487.04
3723800.34 11.41524 (16122117)
411507.04 3723800.34 11.31603 (16122117) 411527.04
3723800.34 11.21102 (16122117)
411547.04 3723800.34 11.09416 (16122117) 411567.04
3723800.34 10.96967 (16122117)
411587.04 3723800.34 10.83884 (16122117) 411607.04
3723800.34 10.70405 (16122117)
410907.04 3723820.34 10.51348 (16122117) 410927.04
3723820.34 10.65424 (16122117)
410947.04 3723820.34 10.78953 (16122117) 410967.04
3723820.34 10.91919 (16122117)
410987.04 3723820.34 11.04286 (16122117) 411007.04
3723820.34 11.16011 (16122117)
411027.04 3723820.34 11.27070 (16122117) 411047.04
3723820.34 11.37440 (16122117)
411067.04 3723820.34 11.47062 (16122117) 411087.04
3723820.34 11.55953 (16122117)
411107.04 3723820.34 11.64055 (16122117) 411127.04
3723820.34 11.71387 (16122117)
411147.04 3723820.34 11.77939 (16122117) 411167.04
3723820.34 11.83652 (16122117)
411187.04 3723820.34 11.88498 (16122117) 411207.04
3723820.34 11.92467 (16122117)
411227.04 3723820.34 11.95546 (16122117) 411247.04
3723820.34 11.97728 (16122117)
411267.04 3723820.34 11.98980 (16122117) 411287.04
3723820.34 11.99331 (16122117)
411307.04 3723820.34 11.98744 (16122117) 411327.04

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3723820.34       11.97223  (16122117)
        411347.04   3723820.34       11.94781  (16122117)                411367.04
3723820.34       11.91396  (16122117)
        411387.04   3723820.34       11.87072  (16122117)                411407.04
3723820.34       11.81815  (16122117)
        411427.04   3723820.34       11.75666  (16122117)                411447.04
3723820.34       11.68596  (16122117)
        411467.04   3723820.34       11.60622  (16122117)                411487.04
3723820.34       11.51768  (16122117)
        411507.04   3723820.34       11.42044  (16122117)                411527.04
3723820.34       11.31470  (16122117)
        411547.04   3723820.34       11.20087  (16122117)                411567.04
3723820.34       11.07945  (16122117)
        411587.04   3723820.34       10.95004  (16122117)                411607.04
3723820.34       10.81405  (16122117)
        410907.04   3723840.34       10.51946  (16122117)                410927.04
3723840.34       10.66304  (16122117)
        410947.04   3723840.34       10.80177  (16122117)                410967.04
3723840.34       10.93604  (16122117)
        410987.04   3723840.34       11.06305  (16122117)                411007.04
3723840.34       11.18411  (16122117)
        411027.04   3723840.34       11.29823  (16122117)                411047.04
3723840.34       11.40620  (16122117)
        411067.04   3723840.34       11.50631  (16122117)                411087.04
3723840.34       11.59833  (16122117)
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                         ***        16:48:31

                                    PAGE 492
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SRCGP1   ***
                                    INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10    IN MICROGRAMS/M**3
                    **
```

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
411107.04	3723840.34	11.68334	(16122117)	411127.04	3723840.34	11.76242	(16122117)
411147.04	3723840.34	11.83212	(16122117)	411167.04	3723840.34	11.89271	(16122117)
411187.04	3723840.34	11.94508	(16122117)	411207.04	3723840.34	11.98837	(16122117)
411227.04	3723840.34	12.02254	(16122117)	411247.04	3723840.34	12.04816	(16122117)
411267.04	3723840.34	12.06475	(16122117)	411287.04	3723840.34	12.07140	(16122117)
411307.04	3723840.34	12.06914	(16122117)	411327.04	3723840.34	12.05715	(16122117)
411347.04	3723840.34	12.03569	(16122117)	411367.04	3723840.34	12.00482	(16122117)
411387.04	3723840.34	11.96429	(16122117)	411407.04	3723840.34	11.91382	(16122117)
411427.04	3723840.34	11.85352	(16122117)	411447.04	3723840.34	11.78571	(16122117)
411467.04	3723840.34	11.70802	(16122117)	411487.04	3723840.34	11.62117	(16122117)
411507.04	3723840.34	11.52618	(16122117)	411527.04	3723840.34	11.42284	(16122117)
411547.04	3723840.34	11.31070	(16122117)	411567.04	3723840.34	11.18994	(16122117)
411587.04	3723840.34	11.06180	(16122117)	411607.04	3723840.34	10.92774	(16122117)
410907.04	3723860.34	10.52348	(16122117)	410927.04	3723860.34	10.67073	(16122117)
410947.04	3723860.34	10.81232	(16122117)	410967.04	3723860.34	10.95051	(16122117)
410987.04	3723860.34	11.08197	(16122117)	411007.04	3723860.34	11.20643	(16122117)
411027.04	3723860.34	11.32409	(16122117)	411047.04	3723860.34	11.43531	(16122117)
411067.04	3723860.34	11.54050	(16122117)	411087.04	3723860.34	11.63777	(16122117)
411107.04	3723860.34	11.72758	(16122117)	411127.04	3723860.34	11.81074	(16122117)
411147.04	3723860.34	11.88347	(16122117)	411167.04	3723860.34	11.94834	(16122117)
411187.04	3723860.34	12.00427	(16122117)	411207.04	3723860.34	12.05121	(16122117)
411227.04	3723860.34	12.08939	(16122117)	411247.04	3723860.34	12.11854	(16122117)
411267.04	3723860.34	12.13817	(16122117)	411287.04	3723860.34	12.14833	(16122117)

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        411307.04   3723860.34       12.14988  (16122117)                411327.04
3723860.34       12.14065  (16122117)
        411347.04   3723860.34       12.12231  (16122117)                411367.04
3723860.34       12.09457  (16122117)
        411387.04   3723860.34       12.05684  (16122117)                411407.04
3723860.34       12.00902  (16122117)
        411427.04   3723860.34       11.95123  (16122117)                411447.04
3723860.34       11.88653  (16122117)
        411467.04   3723860.34       11.81103  (16122117)                411487.04
3723860.34       11.72497  (16122117)
        411507.04   3723860.34       11.63193  (16122117)                411527.04
3723860.34       11.53253  (16122117)
        411547.04   3723860.34       11.42252  (16122117)                411567.04
3723860.34       11.30155  (16122117)
        411587.04   3723860.34       11.17403  (16122117)                411607.04
3723860.34       11.04146  (16122117)
        410907.04   3723880.34       10.52366  (16122117)                410927.04
3723880.34       10.67542  (16122117)
        410947.04   3723880.34       10.82143  (16122117)                410967.04
3723880.34       10.96164  (16122117)
        410987.04   3723880.34       11.09643  (16122117)                411007.04
3723880.34       11.22542  (16122117)
        411027.04   3723880.34       11.34714  (16122117)                411047.04
3723880.34       11.46243  (16122117)
        411067.04   3723880.34       11.57272  (16122117)                411087.04
3723880.34       11.67537  (16122117)
        411107.04   3723880.34       11.76859  (16122117)                411127.04
3723880.34       11.85417  (16122117)
        411147.04   3723880.34       11.93157  (16122117)                411167.04
3723880.34       12.00037  (16122117)
        411187.04   3723880.34       12.05991  (16122117)                411207.04
3723880.34       12.11125  (16122117)
        411227.04   3723880.34       12.15316  (16122117)                411247.04
3723880.34       12.18583  (16122117)
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                         ***        16:48:31

                                    PAGE 493
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SRCGP1   ***
                                    INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
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L0000022 , L0000023 , L0000024 , L0000025 , L0000026
, L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
411267.04	3723880.34	12.20941	(16122117)	411287.04	3723880.34	12.22314	(16122117)
411307.04	3723880.34	12.22700	(16122117)	411327.04	3723880.34	12.22128	(16122117)
411347.04	3723880.34	12.20571	(16122117)	411367.04	3723880.34	12.18071	(16122117)
411387.04	3723880.34	12.14614	(16122117)	411407.04	3723880.34	12.10066	(16122117)
411427.04	3723880.34	12.04836	(16122117)	411447.04	3723880.34	11.98723	(16122117)
411467.04	3723880.34	11.91395	(16122117)	411487.04	3723880.34	11.83019	(16122117)
411507.04	3723880.34	11.73888	(16122117)	411527.04	3723880.34	11.63996	(16122117)
411547.04	3723880.34	11.53177	(16122117)	411567.04	3723880.34	11.41366	(16122117)
411587.04	3723880.34	11.28742	(16122117)	411607.04	3723880.34	11.15665	(16122117)
410907.04	3723900.34	10.52689	(16122117)	410927.04	3723900.34	10.68438	(16122117)
410947.04	3723900.34	10.83362	(16122117)	410967.04	3723900.34	10.97618	(16122117)
410987.04	3723900.34	11.11555	(16122117)	411007.04	3723900.34	11.25014	(16122117)
411027.04	3723900.34	11.37487	(16122117)	411047.04	3723900.34	11.49107	(16122117)
411067.04	3723900.34	11.60547	(16122117)	411087.04	3723900.34	11.71177	(16122117)
411107.04	3723900.34	11.80893	(16122117)	411127.04	3723900.34	11.90023	(16122117)
411147.04	3723900.34	11.98258	(16122117)	411167.04	3723900.34	12.05550	(16122117)
411187.04	3723900.34	12.11760	(16122117)	411207.04	3723900.34	12.17389	(16122117)
411227.04	3723900.34	12.21954	(16122117)	411247.04	3723900.34	12.25562	(16122117)
411267.04	3723900.34	12.28369	(16122117)	411287.04			

3723900.34 12.30143 (16122117)
  411307.04 3723900.34 12.30687 (16122117) 411327.04
3723900.34 12.30482 (16122117)
  411347.04 3723900.34 12.29175 (16122117) 411367.04
3723900.34 12.27127 (16122117)
  411387.04 3723900.34 12.23981 (16122117) 411407.04
3723900.34 12.19496 (16122117)
  411427.04 3723900.34 12.14545 (16122117) 411447.04
3723900.34 12.08697 (16122117)
  411467.04 3723900.34 12.01667 (16122117) 411487.04
3723900.34 11.93480 (16122117)
  411507.04 3723900.34 11.84508 (16122117) 411527.04
3723900.34 11.74778 (16122117)
  411547.04 3723900.34 11.64211 (16122117) 411567.04
3723900.34 11.52667 (16122117)
  411587.04 3723900.34 11.40171 (16122117) 411607.04
3723900.34 11.27082 (16122117)
  410907.04 3723920.34 10.52829 (16122117) 410927.04
3723920.34 10.68909 (16122117)
  410947.04 3723920.34 10.84188 (16122117) 410967.04
3723920.34 10.98799 (16122117)
  410987.04 3723920.34 11.13143 (16122117) 411007.04
3723920.34 11.26920 (16122117)
  411027.04 3723920.34 11.39797 (16122117) 411047.04
3723920.34 11.51840 (16122117)
  411067.04 3723920.34 11.63688 (16122117) 411087.04
3723920.34 11.74654 (16122117)
  411107.04 3723920.34 11.84789 (16122117) 411127.04
3723920.34 11.94400 (16122117)
  411147.04 3723920.34 12.03009 (16122117) 411167.04
3723920.34 12.10679 (16122117)
  411187.04 3723920.34 12.17427 (16122117) 411207.04
3723920.34 12.23312 (16122117)
  411227.04 3723920.34 12.28299 (16122117) 411247.04
3723920.34 12.32302 (16122117)
  411267.04 3723920.34 12.35422 (16122117) 411287.04
3723920.34 12.37515 (16122117)
  411307.04 3723920.34 12.38581 (16122117) 411327.04
3723920.34 12.38675 (16122117)
  411347.04 3723920.34 12.37826 (16122117) 411367.04
3723920.34 12.36017 (16122117)
  411387.04 3723920.34 12.33175 (16122117) 411407.04
3723920.34 12.28978 (16122117)

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SRCGP1 ***

INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
411427.04	3723920.34	12.24363	(16122117)	411447.04	3723920.34	12.18763	(16122117)
411467.04	3723920.34	12.11971	(16122117)	411487.04	3723920.34	12.03987	(16122117)
411507.04	3723920.34	11.95225	(16122117)	411527.04	3723920.34	11.85711	(16122117)
411547.04	3723920.34	11.75357	(16122117)	411567.04	3723920.34	11.64004	(16122117)
411587.04	3723920.34	11.51662	(16122117)	411607.04	3723920.34	11.38602	(16122117)
410907.04	3723940.34	10.52755	(16122117)	410927.04	3723940.34	10.69192	(16122117)
410947.04	3723940.34	10.84838	(16122117)	410967.04	3723940.34	10.99849	(16122117)
410987.04	3723940.34	11.14563	(16122117)	411007.04	3723940.34	11.28767	(16122117)
411027.04	3723940.34	11.41982	(16122117)	411047.04	3723940.34	11.54424	(16122117)
411067.04	3723940.34	11.66679	(16122117)	411087.04	3723940.34	11.78080	(16122117)
411107.04	3723940.34	11.88556	(16122117)	411127.04	3723940.34	11.98568	(16122117)
411147.04	3723940.34	12.07676	(16122117)	411167.04	3723940.34	12.15771	(16122117)
411187.04	3723940.34	12.23036	(16122117)	411207.04	3723940.34	12.29327	(16122117)
411227.04	3723940.34	12.34641	(16122117)	411247.04	3723940.34	12.39054	(16122117)

411267.04 3723940.34 12.42461 (16122117) 411287.04 3723940.34 12.44928 (16122117)
411307.04 3723940.34 12.46493 (16122117) 411327.04 3723940.34 12.47077 (16122117)
411347.04 3723940.34 12.46554 (16122117) 411367.04 3723940.34 12.45120 (16122117)
411387.04 3723940.34 12.42564 (16122117) 411407.04 3723940.34 12.38494 (16122117)
411427.04 3723940.34 12.34121 (16122117) 411447.04 3723940.34 12.28794 (16122117)
411467.04 3723940.34 12.22285 (16122117) 411487.04 3723940.34 12.14629 (16122117)
411507.04 3723940.34 12.06194 (16122117) 411527.04 3723940.34 11.96829 (16122117)
411547.04 3723940.34 11.86560 (16122117) 411567.04 3723940.34 11.75399 (16122117)
411587.04 3723940.34 11.63222 (16122117) 411607.04 3723940.34 11.50260 (16122117)
410907.04 3723960.34 10.52543 (16122117) 410927.04 3723960.34 10.69361 (16122117)
410947.04 3723960.34 10.85370 (16122117) 410967.04 3723960.34 11.00733 (16122117)
410987.04 3723960.34 11.15799 (16122117) 411007.04 3723960.34 11.30447 (16122117)
411027.04 3723960.34 11.44061 (16122117) 411047.04 3723960.34 11.56886 (16122117)
411067.04 3723960.34 11.69557 (16122117) 411087.04 3723960.34 11.81350 (16122117)
411107.04 3723960.34 11.92240 (16122117) 411127.04 3723960.34 12.02705 (16122117)
411147.04 3723960.34 12.12163 (16122117) 411167.04 3723960.34 12.20695 (16122117)
411187.04 3723960.34 12.28274 (16122117) 411207.04 3723960.34 12.34955 (16122117)
411227.04 3723960.34 12.40675 (16122117) 411247.04 3723960.34 12.45369 (16122117)
411267.04 3723960.34 12.49116 (16122117) 411287.04 3723960.34 12.52175 (16122117)
411307.04 3723960.34 12.54216 (16122117) 411327.04 3723960.34 12.55179 (16122117)
411347.04 3723960.34 12.55002 (16122117) 411367.04 3723960.34 12.53932 (16122117)
411387.04 3723960.34 12.51748 (16122117) 411407.04 3723960.34 12.47967 (16122117)
411427.04 3723960.34 12.43821 (16122117) 411447.04 3723960.34 12.38704 (16122117)
411467.04 3723960.34 12.32553 (16122117) 411487.04 3723960.34 12.25323 (16122117)
411507.04 3723960.34 12.17180 (16122117) 411527.04 3723960.34 12.08109 (16122117)

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SRCGP1 ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
411587.04	3723960.34	11.74862	(16122117)	411607.04	3723960.34	11.61999	(16122117)
412145.57	3727370.39	87.96044	(14122617)	412165.57	3727370.39	90.55886	(14122617)
412185.57	3727370.39	93.30804	(14122617)	412205.57	3727370.39	95.68787	(14122617)
412225.57	3727370.39	97.72918	(14122617)	412245.57	3727370.39	99.53474	(14122617)
412265.57	3727370.39	101.30026	(14122617)	412285.57	3727370.39	102.62096	(14122617)
412305.57	3727370.39	103.53033	(14122617)	412325.57	3727370.39	104.00199	(14122617)
412345.57	3727370.39	103.99558	(14122617)	412365.57	3727370.39	103.52412	(14122617)
412145.57	3727390.39	87.89443	(14122617)	412165.57	3727390.39	90.75532	(14122617)
412185.57	3727390.39	93.71328	(14122617)	412205.57	3727390.39	96.34257	(14122617)
412225.57	3727390.39	98.71606	(14122617)	412245.57			

3727390.39 100.85938 (14122617)
412265.57 3727390.39 102.89314 (14122617) 412285.57
3727390.39 104.57175 (14122617)
412305.57 3727390.39 105.84819 (14122617) 412325.57
3727390.39 106.66600 (14122617)
412345.57 3727390.39 107.01281 (14122617) 412365.57
3727390.39 107.00053 (14122617)
412145.57 3727410.39 87.67037 (14122617) 412165.57
3727410.39 90.85549 (14122617)
412185.57 3727410.39 93.91352 (14122617) 412205.57
3727410.39 96.83235 (14122617)
412225.57 3727410.39 99.56447 (14122617) 412245.57
3727410.39 102.08767 (14122617)
412265.57 3727410.39 104.34440 (14122617) 412285.57
3727410.39 106.34136 (14122617)
412305.57 3727410.39 107.99030 (14122617) 412325.57
3727410.39 109.20769 (14122617)
412345.57 3727410.39 109.98436 (14122617) 412365.57
3727410.39 110.39220 (14122617)
412145.57 3727430.39 87.47717 (14122617) 412165.57
3727430.39 90.90900 (14122617)
412185.57 3727430.39 94.20412 (14122617) 412205.57
3727430.39 97.39830 (14122617)
412225.57 3727430.39 100.43555 (14122617) 412245.57
3727430.39 103.26438 (14122617)
412265.57 3727430.39 105.89156 (14122617) 412285.57
3727430.39 108.24562 (14122617)
412305.57 3727430.39 110.25760 (14122617) 412325.57
3727430.39 111.85882 (14122617)
412345.57 3727430.39 113.02944 (14122617) 412365.57
3727430.39 113.73937 (14122617)
412145.57 3727450.39 87.04193 (14122617) 412165.57
3727450.39 90.64448 (14122617)
412185.57 3727450.39 94.16760 (14122617) 412205.57
3727450.39 97.64073 (14122617)
412225.57 3727450.39 100.97155 (14122617) 412245.57
3727450.39 104.16571 (14122617)
412265.57 3727450.39 107.13163 (14122617) 412285.57
3727450.39 109.82082 (14122617)
412305.57 3727450.39 112.21207 (14122617) 412325.57
3727450.39 114.24076 (14122617)
412345.57 3727450.39 115.81441 (14122617) 412365.57
3727450.39 116.91239 (14122617)
412145.57 3727470.39 86.33560 (14122617) 412165.57
3727470.39 90.11723 (14122617)
412185.57 3727470.39 93.84453 (14122617) 412205.57
3727470.39 97.59570 (14122617)
412225.57 3727470.39 101.17327 (14122617) 412245.57
3727470.39 104.66981 (14122617)
412265.57 3727470.39 107.97655 (14122617) 412285.57

3727470.39   111.01523 (14122617)
        412305.57   3727470.39   113.80211 (14122617)   412325.57
3727470.39   116.28659 (14122617)
        412345.57   3727470.39   118.32670 (14122617)   412365.57
3727470.39   119.89127 (14122617)
        412145.57   3727490.39   85.43948 (14122617)   412165.57
3727490.39   89.39086 (14122617)
        412185.57   3727490.39   93.34853 (14122617)   412205.57
3727490.39   97.32616 (14122617)
        412225.57   3727490.39   101.17198 (14122617)   412245.57
3727490.39   104.94550 (14122617)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1   ***
                                    INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                  L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0000013   ,
                  L0000014   , L0000015   , L0000016   , L0000017   , L0000018
, L0000019   , L0000020   , L0000021   ,
                  L0000022   , L0000023   , L0000024   , L0000025   , L0000026
, L0000027   , L0000028   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        412265.57   3727490.39   108.58156 (14122617)   412285.57
3727490.39   112.00472 (14122617)
        412305.57   3727490.39   115.17505 (14122617)   412325.57
3727490.39   118.07957 (14122617)
        412345.57   3727490.39   120.58275 (14122617)   412365.57
3727490.39   122.61482 (14122617)
        412145.57   3727510.39   84.41718 (14122617)   412165.57
3727510.39   88.56597 (14122617)
        412185.57   3727510.39   92.72357 (14122617)   412205.57
3727510.39   96.88467 (14122617)

412225.57 3727510.39 101.00935 (14122617) 412245.57 3727510.39 105.05477 (14122617)
412265.57 3727510.39 108.99208 (14122617) 412285.57 3727510.39 112.78154 (14122617)
412305.57 3727510.39 116.35185 (14122617) 412325.57 3727510.39 119.64554 (14122617)
412345.57 3727510.39 122.67033 (14122617) 412365.57 3727510.39 125.16738 (14122617)
412145.57 3727530.39 83.11428 (14122617) 412165.57 3727530.39 87.40101 (14122617)
412185.57 3727530.39 91.73981 (14122617) 412205.57 3727530.39 96.09266 (14122617)
412225.57 3727530.39 100.42911 (14122617) 412245.57 3727530.39 104.73037 (14122617)
412265.57 3727530.39 108.95965 (14122617) 412285.57 3727530.39 113.07501 (14122617)
412305.57 3727530.39 117.01433 (14122617) 412325.57 3727530.39 120.74226 (14122617)
412345.57 3727530.39 124.31635 (14122617) 412365.57 3727530.39 127.35007 (14122617)
412145.57 3727550.39 85.13177 (16122217) 412165.57 3727550.39 86.10469 (14122617)
412185.57 3727550.39 90.57533 (14122617) 412205.57 3727550.39 95.10830 (14122617)
412225.57 3727550.39 99.65675 (14122617) 412245.57 3727550.39 104.20915 (14122617)
412265.57 3727550.39 108.72793 (14122617) 412285.57 3727550.39 113.16450 (14122617)
412305.57 3727550.39 117.46714 (14122617) 412325.57 3727550.39 121.53854 (14122617)
412345.57 3727550.39 125.64642 (14122617) 412365.57 3727550.39 129.20170 (14122617)
412145.57 3727570.39 88.36543 (16122217) 412165.57 3727570.39 88.58712 (16122217)
412185.57 3727570.39 89.39839 (14122617) 412205.57 3727570.39 94.13300 (14122617)
412225.57 3727570.39 98.85596 (14122617) 412245.57 3727570.39 103.64368 (14122617)
412265.57 3727570.39 108.45590 (14122617) 412285.57 3727570.39 113.20817 (14122617)
412305.57 3727570.39 117.83867 (14122617) 412325.57 3727570.39 122.13260 (14122617)
412345.57 3727570.39 126.70320 (14122617) 412365.57 3727570.39 130.72549 (14122617)
412145.57 3727590.39 91.30390 (16122217) 412165.57 3727590.39 91.79936 (16122217)
412185.57 3727590.39 92.12920 (16122217) 412205.57 3727590.39 92.81294 (14122617)
412225.57 3727590.39 97.73488 (14122617) 412245.57 3727590.39 102.71692 (14122617)

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        412265.57   3727590.39      107.75445  (14122617)               412285.57
3727590.39      112.78826  (14122617)
        412305.57   3727590.39      117.66845  (14122617)               412325.57
3727590.39      122.36903  (14122617)
        412345.57   3727590.39      127.36683  (14122617)               412365.57
3727590.39      131.86640  (14122617)
        412145.57   3727610.39       93.90838  (16122217)               412165.57
3727610.39       94.66887  (16122217)
        412185.57   3727610.39       95.28398  (16122217)               412205.57
3727610.39       95.74612  (16122217)
        412225.57   3727610.39       96.25541  (14122617)               412245.57
3727610.39      101.37890  (14122617)
        412265.57   3727610.39      106.70947  (14122617)               412285.57
3727610.39      112.05404  (14122617)
        412305.57   3727610.39      117.25975  (14122617)               412325.57
3727610.39      122.28516  (14122617)
        412345.57   3727610.39      127.64503  (14122617)               412365.57
3727610.39      132.60934  (14122617)
        412145.57   3727630.39       96.26986  (16122217)               412165.57
3727630.39       97.31547  (16122217)
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                        ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        16:48:31

                                  PAGE 497
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SRCGP1   ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
        412185.57   3727630.39       98.22705  (16122217)               412205.57
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3727630.39       98.99369  (16122217)
        412225.57   3727630.39       99.61482  (16122217)                412245.57
3727630.39      100.05571  (16122217)
        412265.57   3727630.39      105.46840  (14122617)                412285.57
3727630.39      111.07703  (14122617)
        412305.57   3727630.39      116.55357  (14122617)                412325.57
3727630.39      121.88046  (14122617)
        412345.57   3727630.39      127.47110  (14122617)                412365.57
3727630.39      132.90825  (14122617)
        412145.57   3727650.39       98.56021  (16122217)                412165.57
3727650.39       99.88567  (16122217)
        412185.57   3727650.39      101.08420  (16122217)                412205.57
3727650.39      102.17173  (16122217)
        412225.57   3727650.39      103.12449  (16122217)                412245.57
3727650.39      103.95263  (16122217)
        412265.57   3727650.39      104.56858  (16122217)                412285.57
3727650.39      109.85819  (14122617)
        412305.57   3727650.39      115.55324  (14122617)                412325.57
3727650.39      121.19354  (14122617)
        412345.57   3727650.39      127.27726  (14122617)                412365.57
3727650.39      133.03146  (14122617)
        412145.57   3727670.39      100.42397  (16122217)                412165.57
3727670.39      102.02254  (16122217)
        412185.57   3727670.39      103.52864  (16122217)                412205.57
3727670.39      104.93021  (16122217)
        412225.57   3727670.39      106.21741  (16122217)                412245.57
3727670.39      107.36417  (16122217)
        412265.57   3727670.39      108.38411  (16122217)                412285.57
3727670.39      109.26043  (16122217)
        412305.57   3727670.39      114.28072  (14122617)                412325.57
3727670.39      120.17276  (14122617)
        412345.57   3727670.39      126.58395  (14122617)                412365.57
3727670.39      132.67877  (14122617)
        412145.57   3727690.39      101.84029  (16122217)                412165.57
3727690.39      103.69696  (16122217)
        412185.57   3727690.39      105.48291  (16122217)                412205.57
3727690.39      107.18405  (16122217)
        412225.57   3727690.39      108.79240  (16122217)                412245.57
3727690.39      110.23551  (16122217)
        412265.57   3727690.39      111.77051  (16122217)                412285.57
3727690.39      113.06538  (16122217)
        412305.57   3727690.39      114.04432  (16122217)                412325.57
3727690.39      118.86654  (14122617)
        412345.57   3727690.39      125.52850  (14122617)                412365.57
3727690.39      131.92447  (14122617)
        412145.57   3727710.39      103.01489  (16122217)                412165.57
3727710.39      105.13097  (16122217)
        412185.57   3727710.39      107.17241  (16122217)                412205.57
3727710.39      109.17221  (16122217)
        412225.57   3727710.39      111.08096  (16122217)                412245.57
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3727710.39      112.88458  (16122217)
        412265.57   3727710.39      114.79967  (16122217)                412285.57
3727710.39      116.49937  (16122217)
        412305.57   3727710.39      117.90891  (16122217)                412325.57
3727710.39      119.06238  (16122217)
        412345.57   3727710.39      124.17428  (14122617)                412365.57
3727710.39      130.87418  (14122617)
        412145.57   3727730.39      104.08935  (16122217)                412165.57
3727730.39      106.46179  (16122217)
        412185.57   3727730.39      108.76274  (16122217)                412205.57
3727730.39      111.03658  (16122217)
        412225.57   3727730.39      113.23802  (16122217)                412245.57
3727730.39      115.39228  (16122217)
        412265.57   3727730.39      117.50848  (16122217)                412285.57
3727730.39      119.51951  (16122217)
        412305.57   3727730.39      121.34358  (16122217)                412325.57
3727730.39      122.93353  (16122217)
        412345.57   3727730.39      124.82012  (16122217)                412365.57
3727730.39      129.51923  (14122617)
        412145.57   3727750.39      104.70052  (16122217)                412165.57
3727750.39      107.28398  (16122217)
        412185.57   3727750.39      109.84447  (16122217)                412205.57
3727750.39      112.34519  (16122217)
        412225.57   3727750.39      114.84322  (16122217)                412245.57
3727750.39      117.31075  (16122217)
        412265.57   3727750.39      119.73204  (16122217)                412285.57
3727750.39      122.05505  (16122217)
        412305.57   3727750.39      124.30070  (16122217)                412325.57
3727750.39      126.32272  (16122217)
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***       05/26/20
 *** AERMET - VERSION  16216 ***   ***
                         ***       16:48:31

                                   PAGE 498
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SRCGP1   ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                                  *** DISCRETE CARTESIAN RECEPTOR POINTS
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** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
412345.57	3727750.39	128.67586	(16122217)	412365.57	3727750.39	130.59153	(16122217)
412145.57	3727770.39	104.93542	(16122217)	412165.57	3727770.39	107.69897	(16122217)
412185.57	3727770.39	110.49144	(16122217)	412205.57	3727770.39	113.23245	(16122217)
412225.57	3727770.39	115.97907	(16122217)	412245.57	3727770.39	118.70696	(16122217)
412265.57	3727770.39	121.42015	(16122217)	412285.57	3727770.39	124.08836	(16122217)
412305.57	3727770.39	126.72821	(16122217)	412325.57	3727770.39	129.18508	(16122217)
412345.57	3727770.39	131.98082	(16122217)	412365.57	3727770.39	134.40449	(16122217)
412145.57	3727790.39	104.82926	(16122217)	412165.57	3727790.39	107.77501	(16122217)
412185.57	3727790.39	110.73684	(16122217)	412205.57	3727790.39	113.70405	(16122217)
412225.57	3727790.39	116.68274	(16122217)	412245.57	3727790.39	119.65649	(16122217)
412265.57	3727790.39	122.63152	(16122217)	412285.57	3727790.39	125.61054	(16122217)
412305.57	3727790.39	128.57953	(16122217)	412325.57	3727790.39	131.57059	(16122217)
412345.57	3727790.39	134.76482	(16122217)	412365.57	3727790.39	137.60832	(16122217)
412145.57	3727810.39	104.66990	(16122217)	412165.57	3727810.39	107.80657	(16122217)
412185.57	3727810.39	110.97372	(16122217)	412205.57	3727810.39	114.13292	(16122217)
412225.57	3727810.39	117.33934	(16122217)	412245.57	3727810.39	120.53066	(16122217)
412265.57	3727810.39	123.77980	(16122217)	412285.57	3727810.39	127.05084	(16122217)
412305.57	3727810.39	130.30996	(16122217)	412325.57	3727810.39	133.62885	(16122217)
412345.57	3727810.39	137.00768	(16122217)	412365.57	3727810.39	140.19572	(16122217)
412145.57	3727830.39	104.02847	(16122217)	412165.57	3727830.39	107.31110	(16122217)
412185.57	3727830.39	110.64780	(16122217)	412205.57	3727830.39	113.98696	(16122217)

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        412225.57   3727830.39      117.38361  (16122217)                412245.57
3727830.39      120.81187  (16122217)
        412265.57   3727830.39      124.22889  (16122217)                412285.57
3727830.39      127.74701  (16122217)
        412305.57   3727830.39      131.27761  (16122217)                412325.57
3727830.39      134.85039  (16122217)
        412345.57   3727830.39      138.47556  (16122217)                412365.57
3727830.39      142.00841  (16122217)
        412145.57   3727850.39      103.54956  (13120917)                412165.57
3727850.39      106.67189  (16122217)
        412185.57   3727850.39      110.14523  (16122217)                412205.57
3727850.39      113.63819  (16122217)
        412225.57   3727850.39      117.21363  (16122217)                412245.57
3727850.39      120.85343  (16122217)
        412265.57   3727850.39      124.50239  (16122217)                412285.57
3727850.39      128.21913  (16122217)
        412305.57   3727850.39      131.97348  (16122217)                412325.57
3727850.39      135.79996  (16122217)
        412345.57   3727850.39      139.67878  (16122217)                412365.57
3727850.39      143.59093  (16122217)
        412145.57   3727870.39      104.69046  (13120917)                412165.57
3727870.39      106.99733  (13120917)
        412185.57   3727870.39      109.66280  (16122217)                412205.57
3727870.39      113.15645  (16122217)
        412225.57   3727870.39      117.02484  (16122217)                412245.57
3727870.39      120.95732  (16122217)
        412265.57   3727870.39      124.83955  (16122217)                412285.57
3727870.39      128.79897  (16122217)
        412305.57   3727870.39      132.83179  (16122217)                412325.57
3727870.39      136.94496  (16122217)
        412345.57   3727870.39      141.09191  (16122217)                412365.57
3727870.39      144.93913  (16122217)
        412145.57   3727890.39      105.41025  (13120917)                412165.57
3727890.39      107.87702  (13120917)
        412185.57   3727890.39      110.21646  (13120917)                412205.57
3727890.39      112.39773  (16122217)
        412225.57   3727890.39      116.35358  (16122217)                412245.57
3727890.39      120.38507  (16122217)
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                        ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        16:48:31

                                   PAGE 499
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SRCGP1   ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
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                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                 L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                 L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                      ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        412265.57   3727890.39      124.45085  (16122217)               412285.57
3727890.39      128.58449  (16122217)
        412305.57   3727890.39      132.80084  (16122217)               412325.57
3727890.39      137.08911  (16122217)
        412345.57   3727890.39      141.44152  (16122217)               412365.57
3727890.39      145.72082  (16122217)
        412145.57   3727910.39      105.77243  (13120917)               412165.57
3727910.39      108.36953  (13120917)
        412185.57   3727910.39      110.85852  (13120917)               412205.57
3727910.39      113.06142  (13120917)
        412225.57   3727910.39      115.57677  (13120917)               412245.57
3727910.39      119.55255  (16122217)
        412265.57   3727910.39      123.77195  (16122217)               412285.57
3727910.39      128.07774  (16122217)
        412305.57   3727910.39      132.46351  (16122217)               412325.57
3727910.39      136.95943  (16122217)
        412345.57   3727910.39      141.54376  (16122217)               412365.57
3727910.39      146.16453  (16122217)
        412145.57   3727930.39      105.82575  (13120917)               412165.57
3727930.39      108.54849  (13120917)
        412185.57   3727930.39      111.15800  (13120917)               412205.57
3727930.39      113.51133  (13120917)
        412225.57   3727930.39      116.35382  (13120917)               412245.57
3727930.39      119.22750  (13120917)
        412265.57   3727930.39      123.17850  (16122217)               412285.57
3727930.39      127.66715  (16122217)
        412305.57   3727930.39      132.25746  (16122217)               412325.57
3727930.39      136.93356  (16122217)
        412345.57   3727930.39      141.78653  (16122217)               412365.57
3727930.39      146.32114  (16122217)
        412145.57   3727950.39      105.55640  (13120917)               412165.57
3727950.39      108.37338  (13120917)
        412185.57   3727950.39      111.18601  (13120917)               412205.57
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3727950.39      113.65871  (13120917)
        412225.57   3727950.39      116.66592  (13120917)                412245.57
3727950.39      119.78533  (13120917)
        412265.57   3727950.39      122.75819  (13120917)                412285.57
3727950.39      126.84552  (16122217)
        412305.57   3727950.39      131.61858  (16122217)                412325.57
3727950.39      136.49353  (16122217)
        412345.57   3727950.39      141.52346  (16122217)                412365.57
3727950.39      146.19057  (16122217)
        412145.57   3727970.39      105.00547  (13120917)                412165.57
3727970.39      107.96578  (13120917)
        412185.57   3727970.39      110.89962  (13120917)                412205.57
3727970.39      113.50834  (13120917)
        412225.57   3727970.39      116.63098  (13120917)                412245.57
3727970.39      119.82162  (13120917)
        412265.57   3727970.39      122.91405  (13120917)                412285.57
3727970.39      126.05106  (13120917)
        412305.57   3727970.39      130.59915  (16122217)                412325.57
3727970.39      135.66517  (16122217)
        412345.57   3727970.39      140.84261  (16122217)                412365.57
3727970.39      145.79596  (16122217)
        412145.57   3727990.39      104.18403  (13120917)                412165.57
3727990.39      107.27588  (13120917)
        412185.57   3727990.39      110.34788  (13120917)                412205.57
3727990.39      113.06921  (13120917)
        412225.57   3727990.39      116.09160  (13120917)                412245.57
3727990.39      119.26670  (13120917)
        412265.57   3727990.39      122.47851  (13120917)                412285.57
3727990.39      125.76099  (13120917)
        412305.57   3727990.39      129.15934  (16122217)                412325.57
3727990.39      134.39572  (16122217)
        412345.57   3727990.39      139.77092  (16122217)                412365.57
3727990.39      145.13323  (16122217)
        412145.57   3728010.39      103.13405  (13120917)                412165.57
3728010.39      106.30237  (13120917)
        412185.57   3728010.39      109.49570  (13120917)                412205.57
3728010.39      112.33333  (13120917)
        412225.57   3728010.39      115.72025  (13120917)                412245.57
3728010.39      119.12942  (13120917)
        412265.57   3728010.39      122.50380  (13120917)                412285.57
3728010.39      125.93895  (13120917)
        412305.57   3728010.39      129.38969  (13120917)                412325.57
3728010.39      133.34783  (16122217)
        412345.57   3728010.39      138.90998  (16122217)                412365.57
3728010.39      144.27865  (16122217)
        412145.57   3728030.39      101.81757  (13120917)                412165.57
3728030.39      105.10173  (13120917)
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***       05/26/20
 *** AERMET - VERSION  16216 ***   ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SRCGP1 ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
412185.57	3728030.39	108.42400	(13120917)	412205.57	3728030.39	111.34196	(13120917)
412225.57	3728030.39	114.85986	(13120917)	412245.57	3728030.39	118.45320	(13120917)
412265.57	3728030.39	121.98750	(13120917)	412285.57	3728030.39	125.49354	(13120917)
412305.57	3728030.39	129.13885	(13120917)	412325.57	3728030.39	132.84010	(13120917)
412345.57	3728030.39	137.66372	(16122217)	412365.57	3728030.39	143.13208	(16122217)
412145.57	3728050.39	100.21700	(13120917)	412165.57	3728050.39	103.58928	(13120917)
412185.57	3728050.39	107.02374	(13120917)	412205.57	3728050.39	110.09850	(13120917)
412225.57	3728050.39	113.70479	(13120917)	412245.57	3728050.39	117.31030	(13120917)
412265.57	3728050.39	120.97382	(13120917)	412285.57	3728050.39	124.63377	(13120917)
412305.57	3728050.39	128.39347	(13120917)	412325.57	3728050.39	132.25305	(13120917)
412345.57	3728050.39	136.16608	(13120917)	412365.57	3728050.39	141.68786	(16122217)
412145.57	3728070.39	98.43335	(13120917)	412165.57	3728070.39	101.87718	(13120917)

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        412185.57   3728070.39      105.41939  (13120917)              412205.57
3728070.39      108.57645  (13120917)
        412225.57   3728070.39      112.05855  (13120917)              412245.57
3728070.39      115.75192  (13120917)
        412265.57   3728070.39      119.47435  (13120917)              412285.57
3728070.39      123.28558  (13120917)
        412305.57   3728070.39      127.16272  (13120917)              412325.57
3728070.39      131.11562  (13120917)
        412345.57   3728070.39      135.12688  (13120917)              412365.57
3728070.39      139.90226  (16122217)
        412145.57   3728090.39       99.94467  (13121917)              412165.57
3728090.39      101.97877  (13121917)
        412185.57   3728090.39      104.06711  (13121917)              412205.57
3728090.39      106.78664  (13120917)
        412225.57   3728090.39      110.51697  (13120917)              412245.57
3728090.39      114.41162  (13120917)
        412265.57   3728090.39      118.27917  (13120917)              412285.57
3728090.39      122.22038  (13120917)
        412305.57   3728090.39      126.22544  (13120917)              412325.57
3728090.39      130.34659  (13120917)
        412345.57   3728090.39      134.55421  (13120917)              412365.57
3728090.39      138.48464  (13120917)
        412145.57   3728110.39      101.40924  (13121917)              412165.57
3728110.39      103.50103  (13121917)
        412185.57   3728110.39      105.57354  (13121917)              412205.57
3728110.39      107.38202  (13121917)
        412225.57   3728110.39      109.90526  (13121917)              412245.57
3728110.39      112.85622  (13120917)
        412265.57   3728110.39      116.84805  (13120917)              412285.57
3728110.39      120.93040  (13120917)
        412305.57   3728110.39      125.07084  (13120917)              412325.57
3728110.39      129.39908  (13120917)
        412345.57   3728110.39      133.81846  (13120917)              412365.57
3728110.39      137.65400  (13120917)
        412145.57   3728130.39      102.51455  (13121917)              412165.57
3728130.39      104.59232  (13121917)
        412185.57   3728130.39      106.76233  (13121917)              412205.57
3728130.39      108.62198  (13121917)
        412225.57   3728130.39      111.11314  (13121917)              412245.57
3728130.39      113.68803  (13121917)
        412265.57   3728130.39      116.14076  (13121917)              412285.57
3728130.39      118.92653  (13120917)
        412305.57   3728130.39      123.25902  (13120917)              412325.57
3728130.39      127.66744  (13120917)
        412345.57   3728130.39      132.07898  (13120917)              412365.57
3728130.39      136.35611  (13120917)
        412145.57   3728150.39      103.22854  (13121917)              412165.57
3728150.39      105.29964  (13121917)
        412185.57   3728150.39      107.54825  (13121917)              412205.57
3728150.39      109.54630  (13121917)
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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SRCGP1 ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
412345.57	3728150.39	130.15572	(13120917)	412365.57	3728150.39	134.78099	(13120917)
412145.57	3728170.39	103.78879	(13121917)	412165.57	3728170.39	105.76594	(13121917)
412185.57	3728170.39	108.00753	(13121917)	412205.57	3728170.39	110.35725	(13121917)
412225.57	3728170.39	112.69152	(13121917)	412245.57	3728170.39	115.15070	(13121917)
412265.57	3728170.39	117.68680	(13121917)	412285.57	3728170.39	120.32309	(13121917)
412305.57	3728170.39	123.06807	(13121917)	412325.57	3728170.39	125.88032	(13121917)
412345.57	3728170.39	128.81534	(13121917)	412365.57	3728170.39	132.97392	(13120917)
412145.57	3728190.39	104.49043	(13121917)	412165.57			

3728190.39 106.32377 (13121917)
412185.57 3728190.39 108.62806 (13121917) 412205.57
3728190.39 111.11947 (13121917)
412225.57 3728190.39 113.58419 (13121917) 412245.57
3728190.39 116.13242 (13121917)
412265.57 3728190.39 118.69909 (13121917) 412285.57
3728190.39 121.41464 (13121917)
412305.57 3728190.39 124.20710 (13121917) 412325.57
3728190.39 127.15545 (13121917)
412345.57 3728190.39 130.09928 (13121917) 412365.57
3728190.39 132.74499 (13121917)
412145.57 3728210.39 104.56770 (13121917) 412165.57
3728210.39 106.48906 (13121917)
412185.57 3728210.39 108.87577 (13121917) 412205.57
3728210.39 111.43720 (13121917)
412225.57 3728210.39 113.91453 (13121917) 412245.57
3728210.39 116.44971 (13121917)
412265.57 3728210.39 119.09373 (13121917) 412285.57
3728210.39 121.82253 (13121917)
412305.57 3728210.39 124.64215 (13121917) 412325.57
3728210.39 127.60689 (13121917)
412345.57 3728210.39 130.63189 (13121917) 412365.57
3728210.39 133.34037 (13121917)
412145.57 3728230.39 104.31192 (13121917) 412165.57
3728230.39 106.40329 (13121917)
412185.57 3728230.39 108.88389 (13121917) 412205.57
3728230.39 111.41962 (13121917)
412225.57 3728230.39 113.89420 (13121917) 412245.57
3728230.39 116.45305 (13121917)
412265.57 3728230.39 119.14449 (13121917) 412285.57
3728230.39 121.90228 (13121917)
412305.57 3728230.39 124.73839 (13121917) 412325.57
3728230.39 127.70692 (13121917)
412345.57 3728230.39 130.83231 (13121917) 412365.57
3728230.39 133.71999 (13121917)
412145.57 3728250.39 103.73767 (13121917) 412165.57
3728250.39 106.07293 (13121917)
412185.57 3728250.39 108.49880 (13121917) 412205.57
3728250.39 110.85777 (13121917)
412225.57 3728250.39 113.42067 (13121917) 412245.57
3728250.39 116.06422 (13121917)
412265.57 3728250.39 118.75719 (13121917) 412285.57
3728250.39 121.57578 (13121917)
412305.57 3728250.39 124.47175 (13121917) 412325.57
3728250.39 127.47021 (13121917)
412345.57 3728250.39 130.60174 (13121917) 412365.57
3728250.39 133.91543 (13121917)
412145.57 3728270.39 103.29552 (13121917) 412165.57
3728270.39 105.78669 (13121917)
412185.57 3728270.39 108.46217 (13121917) 412205.57

3728270.39   110.59626 (13121917)
        412225.57   3728270.39   113.37792 (13121917)   412245.57
3728270.39   116.28910 (13121917)
        412265.57   3728270.39   119.09404 (13121917)   412285.57
3728270.39   122.03498 (13121917)
        412305.57   3728270.39   124.96543 (13121917)   412325.57
3728270.39   128.06053 (13121917)
        412345.57   3728270.39   131.27921 (13121917)   412365.57
3728270.39   134.07060 (13121917)
        412145.57   3728290.39   102.54973 (13121917)   412165.57
3728290.39   105.05115 (13121917)
        412185.57   3728290.39   107.74465 (13121917)   412205.57
3728290.39   109.91080 (13121917)
        412225.57   3728290.39   112.86426 (13121917)   412245.57
3728290.39   115.85849 (13121917)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1   ***
                                   INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                  L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0000013   ,
                  L0000014   , L0000015   , L0000016   , L0000017   , L0000018
, L0000019   , L0000020   , L0000021   ,
                  L0000022   , L0000023   , L0000024   , L0000025   , L0000026
, L0000027   , L0000028   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        412265.57   3728290.39   118.69602 (13121917)   412285.57
3728290.39   121.69146 (13121917)
        412305.57   3728290.39   124.76569 (13121917)   412325.57
3728290.39   127.98434 (13121917)
        412345.57   3728290.39   131.20713 (13121917)   412365.57
3728290.39   134.01115 (13121917)

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        412145.57   3728310.39      101.49127  (13121917)              412165.57
3728310.39      104.03494  (13121917)
        412185.57   3728310.39      106.74019  (13121917)              412205.57
3728310.39      108.96406  (13121917)
        412225.57   3728310.39      111.97588  (13121917)              412245.57
3728310.39      114.93063  (13121917)
        412265.57   3728310.39      117.80910  (13121917)              412285.57
3728310.39      120.86359  (13121917)
        412305.57   3728310.39      124.02377  (13121917)              412325.57
3728310.39      127.33206  (13121917)
        412345.57   3728310.39      130.60528  (13121917)              412365.57
3728310.39      134.99515  (14120317)
        412145.57   3728330.39      100.10911  (13121917)              412165.57
3728330.39      102.68453  (13121917)
        412185.57   3728330.39      105.36776  (13121917)              412205.57
3728330.39      107.72116  (13121917)
        412225.57   3728330.39      110.48357  (13121917)              412245.57
3728330.39      113.41023  (13121917)
        412265.57   3728330.39      116.37094  (13121917)              412285.57
3728330.39      119.47524  (13121917)
        412305.57   3728330.39      122.67733  (13121917)              412325.57
3728330.39      126.78651  (14120317)
        412345.57   3728330.39      131.49678  (14120317)              412365.57
3728330.39      136.49882  (14120317)
        412145.57   3728350.39       98.38585  (13121917)              412165.57
3728350.39      101.00421  (13121917)
        412185.57   3728350.39      103.72403  (13121917)              412205.57
3728350.39      106.13137  (13121917)
        412225.57   3728350.39      109.10047  (13121917)              412245.57
3728350.39      112.16472  (13121917)
        412265.57   3728350.39      115.76317  (14120317)              412285.57
3728350.39      119.76747  (14120317)
        412305.57   3728350.39      123.96137  (14120317)              412325.57
3728350.39      128.32739  (14120317)
        412345.57   3728350.39      132.96167  (14120317)              412365.57
3728350.39      137.80188  (14120317)
        412145.57   3728370.39       96.98245  (14120317)              412165.57
3728370.39      100.02629  (14120317)
        412185.57   3728370.39      103.23505  (14120317)              412205.57
3728370.39      106.26896  (14120317)
        412225.57   3728370.39      109.82113  (14120317)              412245.57
3728370.39      113.45723  (14120317)
        412265.57   3728370.39      117.22415  (14120317)              412285.57
3728370.39      121.19125  (14120317)
        412305.57   3728370.39      125.32007  (14120317)              412325.57
3728370.39      129.67999  (14120317)
        412345.57   3728370.39      134.28480  (14120317)              412365.57
3728370.39      138.89493  (14120317)
        412145.57   3728390.39       98.42642  (14120317)              412165.57
3728390.39      101.41102  (14120317)
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        412185.57   3728390.39      104.56321  (14120317)                412205.57
3728390.39      107.54505  (14120317)
        412225.57   3728390.39      111.10490  (14120317)                412245.57
3728390.39      114.73991  (14120317)
        412265.57   3728390.39      118.39768  (14120317)                412285.57
3728390.39      122.28669  (14120317)
        412305.57   3728390.39      126.37239  (14120317)                412325.57
3728390.39      130.67931  (14120317)
        412345.57   3728390.39      135.23075  (14120317)                412365.57
3728390.39      139.75358  (14120317)
        412145.57   3728410.39       99.64858  (14120317)                412165.57
3728410.39      102.59824  (14120317)
        412185.57   3728410.39      105.66573  (14120317)                412205.57
3728410.39      108.62276  (14120317)
        412225.57   3728410.39      112.01328  (14120317)                412245.57
3728410.39      115.50030  (14120317)
        412265.57   3728410.39      119.13997  (14120317)                412285.57
3728410.39      122.95521  (14120317)
        412305.57   3728410.39      126.97844  (14120317)                412325.57
3728410.39      131.23750  (14120317)
        412345.57   3728410.39      135.68065  (14120317)                412365.57
3728410.39      140.36500  (14120317)
        412145.57   3728430.39      100.67378  (14120317)                412165.57
3728430.39      103.58407  (14120317)
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                         ***        16:48:31

                                    PAGE 503
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SRCGP1   ***
                                    INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
                    **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
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Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
        412185.57   3728430.39      106.60069  (14120317)                412205.57
3728430.39      109.51424  (14120317)
        412225.57   3728430.39      112.80741  (14120317)                412245.57
3728430.39      116.24816  (14120317)
        412265.57   3728430.39      119.83114  (14120317)                412285.57
3728430.39      123.59266  (14120317)
        412305.57   3728430.39      127.56086  (14120317)                412325.57
3728430.39      131.75788  (14120317)
        412345.57   3728430.39      136.17869  (14120317)                412365.57
3728430.39      140.82536  (14120317)
        412145.57   3728450.39      101.51026  (14120317)                412165.57
3728450.39      104.36463  (14120317)
        412185.57   3728450.39      107.34337  (14120317)                412205.57
3728450.39      110.20685  (14120317)
        412225.57   3728450.39      113.58636  (14120317)                412245.57
3728450.39      117.02210  (14120317)
        412265.57   3728450.39      120.57209  (14120317)                412285.57
3728450.39      124.27478  (14120317)
        412305.57   3728450.39      128.22907  (14120317)                412325.57
3728450.39      132.32742  (14120317)
        412345.57   3728450.39      136.73732  (14120317)                412365.57
3728450.39      141.16848  (14120317)
        412145.57   3728470.39      102.14654  (14120317)                412165.57
3728470.39      104.94133  (14120317)
        412185.57   3728470.39      107.88142  (14120317)                412205.57
3728470.39      110.68676  (14120317)
        412225.57   3728470.39      114.04549  (14120317)                412245.57
3728470.39      117.42234  (14120317)
        412265.57   3728470.39      120.95797  (14120317)                412285.57
3728470.39      124.62037  (14120317)
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3728470.39      132.57706  (14120317)
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3728470.39      141.27321  (14120317)
        412145.57   3728490.39      102.60247  (14120317)                412165.57
3728490.39      105.32593  (14120317)
        412185.57   3728490.39      108.21665  (14120317)                412205.57
3728490.39      110.96560  (14120317)
        412225.57   3728490.39      114.23303  (14120317)                412245.57
3728490.39      117.56045  (14120317)
        412265.57   3728490.39      121.01292  (14120317)                412285.57
3728490.39      124.63509  (14120317)
        412305.57   3728490.39      128.43782  (14120317)                412325.57
3728490.39      132.49396  (14120317)
        412345.57   3728490.39      136.74056  (14120317)                412365.57
3728490.39      141.15131  (14120317)
        412145.57   3728510.39      102.82133  (14120317)                412165.57
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3728510.39      105.49546  (14120317)
        412185.57   3728510.39      108.30285  (14120317)                412205.57
3728510.39      111.01624  (14120317)
        412225.57   3728510.39      114.05757  (14120317)                412245.57
3728510.39      117.28978  (14120317)
        412265.57   3728510.39      120.68377  (14120317)                412285.57
3728510.39      124.24038  (14120317)
        412305.57   3728510.39      128.01054  (14120317)                412325.57
3728510.39      132.01201  (14120317)
        412345.57   3728510.39      136.24082  (14120317)                412365.57
3728510.39      140.76401  (14120317)
        412145.57   3728530.39      102.78054  (14120317)                412165.57
3728530.39      105.40784  (14120317)
        412185.57   3728530.39      108.13071  (14120317)                412205.57
3728530.39      110.80559  (14120317)
        412225.57   3728530.39      113.96220  (14120317)                412245.57
3728530.39      117.18477  (14120317)
        412265.57   3728530.39      120.51349  (14120317)                412285.57
3728530.39      124.00935  (14120317)
        412305.57   3728530.39      127.73388  (14120317)                412325.57
3728530.39      131.66459  (14120317)
        412345.57   3728530.39      135.83229  (14120317)                412365.57
3728530.39      140.09646  (14120317)
        412145.57   3728550.39      102.41048  (14120317)                412165.57
3728550.39      104.99059  (14120317)
        412185.57   3728550.39      107.69170  (14120317)                412205.57
3728550.39      110.31065  (14120317)
        412225.57   3728550.39      113.40230  (14120317)                412245.57
3728550.39      116.57878  (14120317)
        412265.57   3728550.39      119.85274  (14120317)                412285.57
3728550.39      123.29071  (14120317)
        412305.57   3728550.39      126.94252  (14120317)                412325.57
3728550.39      130.79947  (14120317)
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                         ***        16:48:31

                                    PAGE 504
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SRCGP1   ***
                                    INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
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, L0000027   , L0000028   , . . .   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10   IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
412345.57	3728550.39	134.93654	(14120317)	412365.57	3728550.39	139.03383	(14120317)
412145.57	3728570.39	101.75817	(14120317)	412165.57	3728570.39	104.28428	(14120317)
412185.57	3728570.39	106.95161	(14120317)	412205.57	3728570.39	109.48257	(14120317)
412225.57	3728570.39	112.49868	(14120317)	412245.57	3728570.39	115.60502	(14120317)
412265.57	3728570.39	118.78337	(14120317)	412285.57	3728570.39	122.15717	(14120317)
412305.57	3728570.39	125.70214	(14120317)	412325.57	3728570.39	129.45142	(14120317)
412345.57	3728570.39	133.45487	(14120317)	412365.57	3728570.39	137.48535	(14120317)
412145.57	3728590.39	100.81952	(14120317)	412165.57	3728590.39	103.25860	(14120317)
412185.57	3728590.39	105.86688	(14120317)	412205.57	3728590.39	108.29775	(14120317)
412225.57	3728590.39	111.07713	(14120317)	412245.57	3728590.39	114.00631	(14120317)
412265.57	3728590.39	117.07152	(14120317)	412285.57	3728590.39	120.31090	(14120317)
412305.57	3728590.39	123.73324	(14120317)	412325.57	3728590.39	127.36218	(14120317)
412345.57	3728590.39	131.20400	(14120317)	412365.57	3728590.39	135.33757	(14120317)
412145.57	3728610.39	99.54063	(14120317)	412165.57	3728610.39	101.89052	(14120317)
412185.57	3728610.39	104.38340	(14120317)	412205.57	3728610.39	106.73721	(14120317)
412225.57	3728610.39	109.49733	(14120317)	412245.57	3728610.39	112.30715	(14120317)
412265.57	3728610.39	115.23288	(14120317)	412285.57	3728610.39	118.34605	(14120317)
412305.57	3728610.39	121.65077	(14120317)	412325.57	3728610.39	125.08969	(14120317)
412345.57	3728610.39	128.73549	(14120317)	412365.57	3728610.39	132.55624	(14120317)

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        412145.57   3728630.39       97.88277  (14120317)                412165.57
3728630.39      100.12990  (14120317)
        412185.57   3728630.39      102.46977  (14120317)                412205.57
3728630.39      104.73617  (14120317)
        412225.57   3728630.39      107.37298  (14120317)                412245.57
3728630.39      110.03303  (14120317)
        412265.57   3728630.39      112.79613  (14120317)                412285.57
3728630.39      115.72146  (14120317)
        412305.57   3728630.39      118.82971  (14120317)                412325.57
3728630.39      122.09166  (14120317)
        412345.57   3728630.39      125.52520  (14120317)                412365.57
3728630.39      129.01889  (14120317)
        412145.57   3728650.39       95.86681  (14120317)                412165.57
3728650.39       97.93085  (14120317)
        412185.57   3728650.39      100.08181  (14120317)                412205.57
3728650.39      102.30784  (14120317)
        412225.57   3728650.39      104.65113  (14120317)                412245.57
3728650.39      107.09822  (14120317)
        412265.57   3728650.39      109.65787  (14120317)                412285.57
3728650.39      112.35535  (14120317)
        412305.57   3728650.39      115.19156  (14120317)                412325.57
3728650.39      118.18368  (14120317)
        412345.57   3728650.39      121.34680  (14120317)                412365.57
3728650.39      124.70286  (14120317)
        412145.57   3728670.39       93.58967  (14120317)                412165.57
3728670.39       95.49498  (14120317)
        412185.57   3728670.39       97.47007  (14120317)                412205.57
3728670.39       99.52589  (14120317)
        412225.57   3728670.39      101.66580  (14120317)                412245.57
3728670.39      103.89947  (14120317)
        412265.57   3728670.39      106.21787  (14120317)                412285.57
3728670.39      108.65815  (14120317)
        412305.57   3728670.39      111.22776  (14120317)                412325.57
3728670.39      113.90330  (14120317)
        412345.57   3728670.39      116.75359  (14120317)                412365.57
3728670.39      119.61036  (14120317)
        412145.57   3728690.39       90.80881  (14120317)                412165.57
3728690.39       92.54479  (14120317)
        412185.57   3728690.39       94.31281  (14120317)                412205.57
3728690.39       96.15682  (14120317)
        412225.57   3728690.39       98.06151  (14120317)                412245.57
3728690.39      100.03023  (14120317)
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                         ***       16:48:31

                                   PAGE 505
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
```

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SRCGP1 ***

INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
412265.57	3728690.39	102.09004	(14120317)	412285.57	3728690.39	104.22683	(14120317)
412305.57	3728690.39	106.47490	(14120317)	412325.57	3728690.39	108.76853	(14120317)
412345.57	3728690.39	111.19711	(14120317)	412365.57	3728690.39	113.79008	(14120317)
412145.57	3728710.39	87.71483	(14120317)	412165.57	3728710.39	89.16697	(14120317)
412185.57	3728710.39	90.82135	(14120317)	412205.57	3728710.39	92.43345	(14120317)
412225.57	3728710.39	94.09052	(14120317)	412245.57	3728710.39	95.79411	(14120317)
412265.57	3728710.39	97.57442	(14120317)	412285.57	3728710.39	99.40323	(14120317)
412305.57	3728710.39	101.29167	(14120317)	412325.57	3728710.39	103.20446	(14120317)
412345.57	3728710.39	105.20284	(14120317)	412365.57	3728710.39	107.34009	(14120317)
412145.57	3728730.39	84.40799	(14120317)	412165.57	3728730.39	85.58774	(14120317)
412185.57	3728730.39	87.06114	(14120317)	412205.57	3728730.39	88.44500	(14120317)
412225.57	3728730.39	89.84376	(14120317)	412245.57	3728730.39	91.27643	(14120317)
412265.57	3728730.39	92.73764	(14120317)	412285.57	3728730.39	94.22914	(14120317)
412305.57	3728730.39	95.74952	(14120317)	412325.57	3728730.39	97.30590	(14120317)
412345.57	3728730.39	102.16403	(13012117)	412365.57			

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3728730.39      109.64328  (13012117)
        412145.57   3728750.39       80.75211  (14120317)                412165.57
3728750.39       81.68998  (14120317)
        412185.57   3728750.39       82.92876  (14120317)                412205.57
3728750.39       84.06242  (14120317)
        412225.57   3728750.39       85.19567  (14120317)                412245.57
3728750.39       86.33476  (14120317)
        412265.57   3728750.39       87.48404  (14120317)                412285.57
3728750.39       88.63289  (14120317)
        412305.57   3728750.39       90.69233  (13012117)                412325.57
3728750.39       97.39178  (13012117)
        412345.57   3728750.39      104.47158  (13012117)                412365.57
3728750.39      111.88219  (13012117)
        412145.57   3728770.39       76.76028  (14120317)                412165.57
3728770.39       77.52701  (14120317)
        412185.57   3728770.39       78.44011  (14120317)                412205.57
3728770.39       79.30662  (14120317)
        412225.57   3728770.39       80.16771  (14120317)                412245.57
3728770.39       81.01992  (14120317)
        412265.57   3728770.39       81.85150  (14120317)                412285.57
3728770.39       86.51984  (13012117)
        412305.57   3728770.39       92.82562  (13012117)                412325.57
3728770.39       99.47625  (13012117)
        412345.57   3728770.39      106.50302  (13012117)                412365.57
3728770.39      113.97539  (13012117)
        412145.57   3728790.39       72.60335  (14120317)                412165.57
3728790.39       73.18876  (14120317)
        412185.57   3728790.39       73.91493  (14120317)                412205.57
3728790.39       74.53577  (14120317)
        412225.57   3728790.39       75.12964  (14120317)                412245.57
3728790.39       77.18565  (13012117)
        412265.57   3728790.39       82.79697  (13012117)                412285.57
3728790.39       88.74781  (13012117)
        412305.57   3728790.39       95.03844  (13012117)                412325.57
3728790.39      101.64065  (13012117)
        412345.57   3728790.39      108.59039  (13012117)                412365.57
3728790.39      115.92538  (13012117)
        412145.57   3728810.39       68.36215  (14120317)                412165.57
3728810.39       68.72084  (14120317)
        412185.57   3728810.39       69.23523  (14120317)                412205.57
3728810.39       69.63050  (14120317)
        412225.57   3728810.39       73.98800  (13012117)                412245.57
3728810.39       79.33023  (13012117)
        412265.57   3728810.39       84.95983  (13012117)                412285.57
3728810.39       90.89826  (13012117)
        412305.57   3728810.39       97.14952  (13012117)                412325.57
3728810.39      103.72405  (13012117)
        412345.57   3728810.39      110.58254  (13012117)                412365.57
3728810.39      117.68717  (13012117)
        412145.57   3728830.39       64.00670  (14120317)                412165.57
```

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP1   ***
                                   INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                  L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0000013   ,
                  L0000014   , L0000015   , L0000016   , L0000017   , L0000018
, L0000019   , L0000020   , L0000021   ,
                  L0000022   , L0000023   , L0000024   , L0000025   , L0000026
, L0000027   , L0000028   , . . .   ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                         ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        412185.57   3728830.39   66.19650 (13012117)   412205.57
3728830.39   70.97987 (13012117)
        412225.57   3728830.39   76.04441 (13012117)   412245.57
3728830.39   81.37088 (13012117)
        412265.57   3728830.39   86.96962 (13012117)   412285.57
3728830.39   92.88835 (13012117)
        412305.57   3728830.39   99.08778 (13012117)   412325.57
3728830.39   105.54493 (13012117)
        412345.57   3728830.39   112.27895 (13012117)   412365.57
3728830.39   119.22547 (13012117)
        412145.57   3728850.39   59.63219 (14120317)   412165.57
3728850.39   63.51068 (13012117)
        412185.57   3728850.39   68.05601 (13012117)   412205.57
3728850.39   72.84250 (13012117)
        412225.57   3728850.39   77.89222 (13012117)   412245.57
3728850.39   83.20554 (13012117)
        412265.57   3728850.39   88.77793 (13012117)   412285.57
3728850.39   94.62218 (13012117)
        412305.57   3728850.39   100.72200 (13012117)   412325.57
3728850.39   107.05652 (13012117)

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        412345.57   3728850.39      113.63980  (13012117)              412365.57
3728850.39      120.50966  (13012117)
        412145.57   3728870.39       61.15349  (13012117)              412165.57
3728870.39       65.40669  (13012117)
        412185.57   3728870.39       70.04757  (13012117)              412205.57
3728870.39       74.84331  (13012117)
        412225.57   3728870.39       79.88928  (13012117)              412245.57
3728870.39       85.16644  (13012117)
        412265.57   3728870.39       90.69811  (13012117)              412285.57
3728870.39       96.44986  (13012117)
        412305.57   3728870.39      102.43583  (13012117)              412325.57
3728870.39      108.62041  (13012117)
        412345.57   3728870.39      115.00176  (13012117)              412365.57
3728870.39      121.52585  (13012117)
        412145.57   3728890.39       62.95867  (13012117)              412165.57
3728890.39       67.23821  (13012117)
        412185.57   3728890.39       71.91314  (13012117)              412205.57
3728890.39       76.69853  (13012117)
        412225.57   3728890.39       81.70672  (13012117)              412245.57
3728890.39       86.93662  (13012117)
        412265.57   3728890.39       92.39705  (13012117)              412285.57
3728890.39       98.05986  (13012117)
        412305.57   3728890.39      103.88202  (13012117)              412325.57
3728890.39      109.90537  (13012117)
        412345.57   3728890.39      116.06516  (13012117)              412365.57
3728890.39      122.23431  (13012117)
        412145.57   3728910.39       64.73429  (13012117)              412165.57
3728910.39       69.01486  (13012117)
        412185.57   3728910.39       73.65118  (13012117)              412205.57
3728910.39       78.40993  (13012117)
        412225.57   3728910.39       83.38504  (13012117)              412245.57
3728910.39       88.53615  (13012117)
        412265.57   3728910.39       93.87942  (13012117)              412285.57
3728910.39       99.40546  (13012117)
        412305.57   3728910.39      105.06996  (13012117)              412325.57
3728910.39      110.83859  (13012117)
        412345.57   3728910.39      116.72235  (13012117)              412365.57
3728910.39      122.61904  (13012117)
        412145.57   3728930.39       66.46199  (13012117)              412165.57
3728930.39       70.70782  (13012117)
        412185.57   3728930.39       75.24086  (13012117)              412205.57
3728930.39       79.94426  (13012117)
        412225.57   3728930.39       84.82811  (13012117)              412245.57
3728930.39       89.88759  (13012117)
        412265.57   3728930.39       95.09734  (13012117)              412285.57
3728930.39      100.44668  (13012117)
        412305.57   3728930.39      105.90356  (13012117)              412325.57
3728930.39      111.44749  (13012117)
        412345.57   3728930.39      117.04129  (13012117)              412365.57
3728930.39      122.68628  (13012117)
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        412145.57   3728950.39       68.10636  (13012117)                412165.57
3728950.39       72.34120  (13012117)
        412185.57   3728950.39       76.88584  (13012117)                412205.57
3728950.39       81.52972  (13012117)
        412225.57   3728950.39       86.33701  (13012117)                412245.57
3728950.39       91.28123  (13012117)
        412265.57   3728950.39       96.34029  (13012117)                412285.57
3728950.39      101.50760  (13012117)
        412305.57   3728950.39      106.73524  (13012117)                412325.57
3728950.39      112.00645  (13012117)
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                         ***        16:48:31

                                    PAGE 507
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SRCGP1   ***
                                    INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                               *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
                    **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
        412345.57   3728950.39      117.27170  (13012117)                412365.57
3728950.39      122.42027  (13012117)
        412145.57   3728970.39       69.69936  (13012117)                412165.57
3728970.39       73.86775  (13012117)
        412185.57   3728970.39       78.35991  (13012117)                412205.57
3728970.39       82.92982  (13012117)
        412225.57   3728970.39       87.60972  (13012117)                412245.57
3728970.39       92.41553  (13012117)
        412265.57   3728970.39       97.29065  (13012117)                412285.57
3728970.39      102.25957  (13012117)
        412305.57   3728970.39      107.23897  (13012117)                412325.57
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3728970.39      112.20657  (13012117)
        412345.57   3728970.39      117.13743  (13012117)                412365.57
3728970.39      121.83045  (13012117)
        412145.57   3728990.39       71.16913  (13012117)                412165.57
3728990.39       75.27917  (13012117)
        412185.57   3728990.39       79.65032  (13012117)                412205.57
3728990.39       84.11707  (13012117)
        412225.57   3728990.39       88.66098  (13012117)                412245.57
3728990.39       93.30270  (13012117)
        412265.57   3728990.39       97.97288  (13012117)                412285.57
3728990.39      102.68419  (13012117)
        412305.57   3728990.39      107.39587  (13012117)                412325.57
3728990.39      112.04167  (13012117)
        412345.57   3728990.39      116.58833  (13012117)                412365.57
3728990.39      120.91467  (13012117)
        412145.57   3729010.39       72.53960  (13012117)                412165.57
3729010.39       76.60231  (13012117)
        412185.57   3729010.39       80.81586  (13012117)                412205.57
3729010.39       85.14357  (13012117)
        412225.57   3729010.39       89.54089  (13012117)                412245.57
3729010.39       93.99017  (13012117)
        412265.57   3729010.39       98.45395  (13012117)                412285.57
3729010.39      102.90538  (13012117)
        412305.57   3729010.39      107.30905  (13012117)                412325.57
3729010.39      111.59936  (13012117)
        412345.57   3729010.39      115.76250  (13012117)                412365.57
3729010.39      119.70354  (13012117)
        411515.35   3723339.37        9.00443  (16122117)                411566.95
3723321.50        8.58543  (16122117)
        411209.71   3721870.71        5.63238  (16122117)                410711.56
3722303.37        7.90746  (16122117)
        411481.61   3723222.27        8.70371  (16122117)                412561.33
3728653.10      207.69348  (13012117)
        413259.39   3728649.87      180.14521  (16101917)                412826.33
3727832.22      377.65885  (16112917)
        412377.11   3727858.08      146.47525  (16122217)                412380.35
3728258.82      136.55562  (13121917)
        412583.95   3728262.05      225.41823  (16122217)

 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                         ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                        ***        16:48:31

                                   PAGE 508
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SRCGP2   ***
                                   INCLUDING SOURCE(S):     L0000145    , L0000146
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, L0000147    , L0000148    , L0000149    ,
                L0000150    , L0000151    , L0000152    , L0000153    , L0000154
, L0000155    , L0000156    , L0000157    ,
                L0000158    , L0000159    , L0000160    , L0000161    , L0000162
, L0000163    , L0000164    , L0000165    ,
                L0000166    , L0000167    , L0000168    , L0000169    , L0000170
, L0000171    , L0000172    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        406928.54   3720436.98       12.72689  (13120917)               407433.29
3720436.98       13.51401  (13120917)
        407938.04   3720436.98       16.39635  (16122217)               408442.79
3720436.98       18.89428  (16122217)
        408947.54   3720436.98       15.85932  (16122217)               409452.29
3720436.98       25.73482  (14122617)
        409957.04   3720436.98       30.24923  (14122617)               410461.79
3720436.98       30.94509  (16122117)
        410966.54   3720436.98       37.08673  (16112917)               411471.29
3720436.98       27.90236  (16121917)
        411976.04   3720436.98       35.88964  (16121917)               412480.79
3720436.98       12.58318  (16121917)
        412985.54   3720436.98       21.50587  (13012517)               413490.29
3720436.98       21.33459  (13012517)
        413995.04   3720436.98       21.16601  (14110517)               414499.79
3720436.98       18.25517  (12012417)
        415004.54   3720436.98       27.67271  (12012417)               415509.29
3720436.98       18.97281  (12012417)
        416014.04   3720436.98       10.61392  (12012417)               416518.79
3720436.98        8.73785  (15121517)
        417023.54   3720436.98        8.97520  (15121517)               406928.54
3720940.90       11.47154  (13120917)
        407433.29   3720940.90       14.99452  (13120917)               407938.04
3720940.90       18.13273  (13120917)
        408442.79   3720940.90       19.45248  (16122217)               408947.54
3720940.90       26.20433  (16122217)
        409452.29   3720940.90       24.11440  (16122217)               409957.04
3720940.90       40.50503  (14122617)
        410461.79   3720940.90       36.43234  (16122117)               410966.54
3720940.90       48.37190  (16112917)
        411471.29   3720940.90       44.87294  (16121917)               411976.04
3720940.90       40.14101  (16121917)
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        412480.79   3720940.90       27.71382  (13012517)                412985.54
3720940.90       66.72760  (16102417)
        413490.29   3720940.90       50.24073  (16102417)                413995.04
3720940.90       39.49379  (12012417)
        414499.79   3720940.90       29.39078  (12012417)                415004.54
3720940.90       15.50399  (12012417)
        415509.29   3720940.90       20.30797  (15121517)                416014.04
3720940.90       22.86092  (15121517)
        416518.79   3720940.90       23.67388  (13012417)                417023.54
3720940.90       10.46665  (15121517)
        406928.54   3721444.82       10.50482  (13122517)                407433.29
3721444.82       12.22574  (13122517)
        407938.04   3721444.82       15.57996  (13120917)                408442.79
3721444.82       22.40396  (13120917)
        408947.54   3721444.82       29.05608  (13120917)                409452.29
3721444.82       37.31081  (16122217)
        409957.04   3721444.82       41.22080  (16122217)                410461.79
3721444.82       70.01529  (14122617)
        410966.54   3721444.82       68.18979  (16122117)                411471.29
3721444.82       80.36977  (16121917)
        411976.04   3721444.82       35.63050  (13012517)                412480.79
3721444.82       97.83443  (13012517)
        412985.54   3721444.82       61.17774  (14110517)                413490.29
3721444.82       48.84049  (12012417)
        413995.04   3721444.82       27.48048  (15121517)                414499.79
3721444.82       34.99783  (13012417)
        415004.54   3721444.82       37.71463  (13012417)                415509.29
3721444.82       34.46453  (13012417)
        416014.04   3721444.82       29.02883  (16110917)                416518.79
3721444.82       26.12654  (16110917)
        417023.54   3721444.82       25.45236  (14010117)                406928.54
3721948.74       13.79424  (13121917)
        407433.29   3721948.74       15.41655  (13121917)                407938.04
3721948.74       17.05331  (13121917)
        408442.79   3721948.74       18.45396  (13122517)                408947.54
3721948.74       23.93312  (13122517)
        409452.29   3721948.74       38.95475  (13120917)                409957.04
3721948.74       59.05419  (13120917)
        410461.79   3721948.74       88.16693  (16122217)                410966.54
3721948.74      130.73218  (16122117)
        411471.29   3721948.74      160.73063  (16121917)                411976.04
3721948.74       92.45691  (13012517)
        412480.79   3721948.74       88.47941  (12012417)                412985.54
3721948.74       60.45316  (13012417)
        413490.29   3721948.74       68.00725  (13012417)                413995.04
3721948.74       57.93872  (13012417)
        414499.79   3721948.74       49.20653  (14010117)                415004.54
3721948.74       48.79622  (14010117)
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***        05/26/20
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*** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SRCGP2   ***
INCLUDING SOURCE(S):   L0000145   , L0000146 , L0000147   , L0000148   , L0000149   ,
L0000150   , L0000151   , L0000152   , L0000153   , L0000154 , L0000155   , L0000156   , L0000157   ,
L0000158   , L0000159   , L0000160   , L0000161   , L0000162 , L0000163   , L0000164   , L0000165   ,
L0000166   , L0000167   , L0000168   , L0000169   , L0000170 , L0000171   , L0000172   , . . .   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10   IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
415509.29	3721948.74	44.02096	(14010117)	416014.04	3721948.74	37.47569	(14010117)
416518.79	3721948.74	34.17521	(14120117)	417023.54	3721948.74	33.37241	(14120117)
406928.54	3722452.66	13.58595	(13121917)	407433.29	3722452.66	16.41011	(13121917)
407938.04	3722452.66	20.22223	(13121917)	408442.79	3722452.66	25.54128	(13121917)
408947.54	3722452.66	33.27887	(13121917)	409452.29	3722452.66	45.14976	(13121917)
409957.04	3722452.66	64.55810	(13121917)	410461.79	3722452.66	97.14990	(13121917)
411471.29	3722452.66	300.99395	(13012517)	411976.04	3722452.66	136.10286	(15121517)
412480.79	3722452.66	138.77250	(14120117)	412985.54	3722452.66	117.12105	(14120117)
413490.29	3722452.66	97.87568	(14120117)	413995.04	3722452.66	77.27659	(14120117)
414499.79	3722452.66	62.38646	(14120117)	415004.54	3722452.66	49.22608	(14120117)
415509.29	3722452.66	42.73760	(13121617)	416014.04	3722452.66	37.17428	(13121617)
416518.79	3722452.66	33.48067	(13121617)	417023.54			

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3722452.66       31.40048  (13121617)
        406928.54   3722956.58       11.93995  (15012617)                407433.29
3722956.58       13.94420  (15012617)
        407938.04   3722956.58       16.59106  (15012617)                408442.79
3722956.58       20.15478  (15012617)
        408947.54   3722956.58       25.21712  (15012617)                409452.29
3722956.58       32.48581  (15012617)
        409957.04   3722956.58       55.19355  (14120317)                410461.79
3722956.58       98.29005  (14120317)
        410966.54   3722956.58      183.89691  (14120317)                411976.04
3722956.58      160.31872  (14111317)
        412480.79   3722956.58      176.96521  (13121717)                412985.54
3722956.58      139.71485  (13120217)
        413490.29   3722956.58      102.32482  (13120217)                413995.04
3722956.58       69.84774  (13120217)
        414499.79   3722956.58       55.87822  (13011617)                415004.54
3722956.58       48.45199  (13011617)
        415509.29   3722956.58       41.86128  (13011617)                416014.04
3722956.58       36.08492  (13011617)
        416518.79   3722956.58       32.22700  (13011617)                417023.54
3722956.58       25.72436  (13011617)
        406928.54   3723460.50        9.82241  (14120317)                407433.29
3723460.50       12.92918  (14120317)
        407938.04   3723460.50       17.05899  (14120317)                408442.79
3723460.50       22.31820  (14120317)
        408947.54   3723460.50       28.26354  (14120317)                409452.29
3723460.50       33.29099  (14120317)
        409957.04   3723460.50       33.36025  (14120317)                410461.79
3723460.50       50.12848  (13012117)
        410966.54   3723460.50      118.94076  (13012117)                411471.29
3723460.50      183.07912  (15120717)
        411976.04   3723460.50      124.10427  (12101617)                412480.79
3723460.50       78.36190  (14110617)
        412985.54   3723460.50      119.87654  (15120117)                413490.29
3723460.50       99.60961  (13010117)
        413995.04   3723460.50       87.36152  (13121717)                414499.79
3723460.50       64.38709  (13121717)
        415004.54   3723460.50       48.83719  (13120217)                415509.29
3723460.50       45.12554  (13120217)
        416014.04   3723460.50       40.47185  (13120217)                416518.79
3723460.50       33.13270  (13120217)
        417023.54   3723460.50       23.26774  (13020117)                406928.54
3723964.42       12.55273  (14120317)
        407433.29   3723964.42       14.32137  (14120317)                407938.04
3723964.42       15.56421  (14120317)
        408442.79   3723964.42       15.55510  (14120317)                408947.54
3723964.42       13.67494  (14120317)
        409452.29   3723964.42       10.01336  (14120317)                409957.04
3723964.42       24.45903  (13012117)
        410461.79   3723964.42       59.32904  (13012117)                410966.54
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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SRCGP2 ***
INCLUDING SOURCE(S): L0000145 , L0000146 , L0000147 , L0000148 , L0000149 ,
L0000150 , L0000151 , L0000152 , L0000153 , L0000154 , L0000155 , L0000156 , L0000157 ,
L0000158 , L0000159 , L0000160 , L0000161 , L0000162 , L0000163 , L0000164 , L0000165 ,
L0000166 , L0000167 , L0000168 , L0000169 , L0000170 , L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
414499.79	3723964.42	59.05184	(13010117)	415004.54	3723964.42	49.36941	(13010117)
415509.29	3723964.42	45.51634	(13121717)	416014.04	3723964.42	41.95605	(13121717)
416518.79	3723964.42	34.29167	(13121717)	417023.54	3723964.42	22.45533	(13121717)
406928.54	3724468.34	9.38242	(14120317)	407433.29	3724468.34	12.00323	(14120317)
407938.04	3724468.34	7.35841	(14120317)	408442.79	3724468.34	5.52487	(14120317)
408947.54	3724468.34	5.77938	(12020717)	409452.29	3724468.34	15.19212	(14121617)
409957.04	3724468.34	33.79443	(13012117)	410461.79	3724468.34	34.86297	(13012117)

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        410966.54   3724468.34       53.54101  (12121217)               411471.29
3724468.34       56.56085  (15121017)
        411976.04   3724468.34       54.82039  (14111817)               412480.79
3724468.34      107.40510  (12111317)
        412985.54   3724468.34       75.30198  (15122917)               413490.29
3724468.34       70.69782  (16112317)
        413995.04   3724468.34       60.96969  (16110317)               414499.79
3724468.34       48.76273  (12122517)
        415004.54   3724468.34       46.83424  (12122517)               415509.29
3724468.34       38.78904  (15120117)
        416014.04   3724468.34       36.31333  (13010117)               416518.79
3724468.34       30.48790  (13010117)
        417023.54   3724468.34       26.04377  (12120417)               406928.54
3724972.26        5.35763  (12112609)
        407433.29   3724972.26        4.74967  (12112609)               407938.04
3724972.26        4.90686  (12112109)
        408442.79   3724972.26        5.06323  (15021909)               408947.54
3724972.26       10.41797  (14121617)
        409452.29   3724972.26       21.20705  (13012117)               409957.04
3724972.26       27.77567  (13012117)
        410461.79   3724972.26       31.40326  (12112917)               410966.54
3724972.26       40.44990  (12121217)
        411471.29   3724972.26       38.55800  (15121017)               411976.04
3724972.26       39.99775  (16110817)
        412480.79   3724972.26       36.53941  (14102417)               412985.54
3724972.26       81.94536  (13112917)
        413490.29   3724972.26       53.36184  (15122917)               413995.04
3724972.26       56.06392  (16112317)
        414499.79   3724972.26       43.83355  (15121817)               415004.54
3724972.26       40.22207  (16110317)
        415509.29   3724972.26       34.63597  (12122517)               416014.04
3724972.26       34.33541  (12122517)
        416518.79   3724972.26       27.39616  (15120117)               417023.54
3724972.26       23.92592  (13010117)
        406928.54   3725476.18        4.00696  (13020509)               407433.29
3725476.18        4.31719  (12112109)
        407938.04   3725476.18        4.57331  (15021909)               408442.79
3725476.18        7.61220  (14121617)
        408947.54   3725476.18       14.28074  (13012117)               409452.29
3725476.18       20.88356  (13012117)
        409957.04   3725476.18       17.28112  (13012117)               410461.79
3725476.18       28.32730  (12112917)
        410966.54   3725476.18       31.00054  (12121217)               411471.29
3725476.18       28.89725  (14111717)
        411976.04   3725476.18       30.40667  (15120717)               412480.79
3725476.18       28.34323  (13112817)
        412985.54   3725476.18       40.61456  (15111217)               413490.29
3725476.18       59.15684  (13112917)
        413995.04   3725476.18       40.63089  (15122917)               414499.79
3725476.18       43.16144  (16112317)
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                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SRCGP2   ***
                                    INCLUDING SOURCE(S):   L0000145   , L0000146 , L0000147   , L0000148   , L0000149   ,
                  L0000150   , L0000151   , L0000152   , L0000153   , L0000154 , L0000155   , L0000156   , L0000157   ,
                  L0000158   , L0000159   , L0000160   , L0000161   , L0000162 , L0000163   , L0000164   , L0000165   ,
                  L0000166   , L0000167   , L0000168   , L0000169   , L0000170 , L0000171   , L0000172   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                    **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)
 -
        412480.79   3725980.10   23.34318 (16110817)   412985.54   3725980.10   22.00214 (14102417)
        413490.29   3725980.10   44.52228 (12111317)   413995.04   3725980.10   43.33199 (13112917)
        414499.79   3725980.10   31.06242 (15122917)   415004.54

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3725980.10       33.46416  (16112317)
        415509.29   3725980.10       27.01247  (15120917)                416014.04
3725980.10       24.03896  (15121817)
        416518.79   3725980.10       21.98579  (16110317)                417023.54
3725980.10       19.18507  (16111017)
        406928.54   3726484.02        3.73588  (15021909)                407433.29
3726484.02        5.38900  (12011617)
        407938.04   3726484.02       10.35940  (13012117)                408442.79
3726484.02       21.77988  (13012117)
        408947.54   3726484.02       13.71575  (13012117)                409452.29
3726484.02       10.49964  (13012117)
        409957.04   3726484.02       15.85622  (12112917)                410461.79
3726484.02       19.04469  (12112917)
        410966.54   3726484.02       19.48640  (12121217)                411471.29
3726484.02       19.20248  (14111717)
        411976.04   3726484.02       19.81715  (15121017)                412480.79
3726484.02       19.75628  (16110817)
        412985.54   3726484.02       18.04345  (13121017)                413490.29
3726484.02       36.88730  (13112617)
        413995.04   3726484.02       35.06547  (12111317)                414499.79
3726484.02       29.49073  (13112917)
        415004.54   3726484.02       24.59107  (15122917)                415509.29
3726484.02       25.60637  (16112317)
        416014.04   3726484.02       20.73677  (12010317)                416518.79
3726484.02       18.73951  (15121817)
        417023.54   3726484.02       16.03690  (16110317)                406928.54
3726987.94        4.76493  (12020717)
        407433.29   3726987.94        7.90802  (14121617)                407938.04
3726987.94       16.50793  (13012117)
        408442.79   3726987.94       23.92571  (13012117)                408947.54
3726987.94       10.35536  (13012117)
        409452.29   3726987.94        8.71801  (12112917)                409957.04
3726987.94       15.14845  (12112917)
        410461.79   3726987.94       15.47375  (12121217)                410966.54
3726987.94       15.91087  (12121217)
        411471.29   3726987.94       16.23000  (14111717)                411976.04
3726987.94       17.05860  (15121017)
        412480.79   3726987.94       16.01411  (16110817)                412985.54
3726987.94       25.66108  (16102717)
        413490.29   3726987.94       30.60939  (15120817)                413995.04
3726987.94       29.51845  (13112617)
        414499.79   3726987.94       26.89527  (13112917)                415004.54
3726987.94       23.24416  (14112617)
        415509.29   3726987.94       19.16636  (15122917)                416014.04
3726987.94       19.19850  (16112317)
        416518.79   3726987.94       16.68797  (12010317)                417023.54
3726987.94       15.42759  (15121817)
        406928.54   3727491.86        6.64684  (12011617)                407433.29
3727491.86       12.92368  (13012117)
        407938.04   3727491.86       19.36044  (13012117)                408442.79
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3727491.86   19.44465 (13012117)
        408947.54   3727491.86   10.08872 (13012117)   409452.29
3727491.86   9.62135 (12112917)
        409957.04   3727491.86   13.77542 (12112917)   410461.79
3727491.86   13.92251 (12121217)
        410966.54   3727491.86   13.68060 (14111717)   411471.29
3727491.86   13.96184 (14111717)
        411976.04   3727491.86   14.71288 (15121017)   412480.79
3727491.86   14.09787 (15120717)
        412985.54   3727491.86   13.85451 (16110817)   413490.29
3727491.86   24.46108 (15120817)
        413995.04   3727491.86   22.27831 (15111217)   414499.79
3727491.86   20.96223 (12111317)
        415004.54   3727491.86   19.16336 (13112917)   415509.29
3727491.86   16.58558 (14011517)
        416014.04   3727491.86   13.72176 (12010517)   416518.79
3727491.86   13.65848 (14122317)
        417023.54   3727491.86   14.05907 (12010317)   406928.54
3727995.78   9.54285 (13012117)
        407433.29   3727995.78   16.87212 (13012117)   407938.04
3727995.78   17.87425 (13012117)
        408442.79   3727995.78   12.56810 (13012117)   408947.54
3727995.78   5.66534 (13012317)
        409452.29   3727995.78   9.90654 (12112917)   409957.04
3727995.78   12.14769 (12112917)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2   ***
                                    INCLUDING SOURCE(S):   L0000145   , L0000146
, L0000147   , L0000148   , L0000149   ,
                  L0000150   , L0000151   , L0000152   , L0000153   , L0000154
, L0000155   , L0000156   , L0000157   ,
                  L0000158   , L0000159   , L0000160   , L0000161   , L0000162
, L0000163   , L0000164   , L0000165   ,
                  L0000166   , L0000167   , L0000168   , L0000169   , L0000170
, L0000171   , L0000172   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                            ** CONC OF PM_10   IN MICROGRAMS/M**3
                    **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
410461.79	3727995.78	12.45519	(12121217)	410966.54	3727995.78	12.07461	(14111717)
411471.29	3727995.78	12.18361	(14111717)	411976.04	3727995.78	12.74650	(15121017)
412985.54	3727995.78	12.35084	(16110817)	413490.29	3727995.78	18.71071	(15010617)
413995.04	3727995.78	18.56559	(15120817)	414499.79	3727995.78	17.23780	(15111217)
415004.54	3727995.78	22.38327	(12111317)	415509.29	3727995.78	14.47702	(14010617)
416014.04	3727995.78	8.64172	(13122417)	416518.79	3727995.78	11.95895	(12010517)
417023.54	3727995.78	11.07188	(14122317)	406928.54	3728499.70	9.18974	(13012117)
407433.29	3728499.70	14.79045	(13012117)	407938.04	3728499.70	13.56642	(13012117)
408442.79	3728499.70	6.96846	(13012117)	408947.54	3728499.70	6.23230	(12112917)
409452.29	3728499.70	9.71058	(12112917)	409957.04	3728499.70	10.51071	(12112917)
410461.79	3728499.70	11.11440	(12121217)	410966.54	3728499.70	10.75268	(14111717)
411471.29	3728499.70	10.75515	(14111717)	411976.04	3728499.70	11.10222	(15121017)
412480.79	3728499.70	10.70330	(15120717)	413490.29	3728499.70	12.90902	(14111817)
413995.04	3728499.70	14.84818	(15120817)	414499.79	3728499.70	12.64925	(14120917)
415004.54	3728499.70	14.37730	(13112617)	415509.29	3728499.70	13.26146	(16012217)
416014.04	3728499.70	11.33100	(14010617)	416518.79	3728499.70	12.29035	(14011517)
417023.54	3728499.70	11.06887	(12010517)	406928.54	3729003.62	13.40984	(13012117)
407433.29	3729003.62	13.74551	(13012117)	407938.04	3729003.62	8.80881	(13012117)
408442.79	3729003.62	3.78229	(13012317)	408947.54	3729003.62	9.61746	(12112917)
409452.29	3729003.62	9.19131	(12112917)	409957.04	3729003.62	8.99119	(12112917)
410461.79	3729003.62	9.91911	(12121217)	410966.54	3729003.62	9.65147	(14111717)
411471.29	3729003.62	9.58610	(14111717)	411976.04	3729003.62	9.72427	(15121017)
412480.79	3729003.62	9.38384	(15121017)	412985.54	3729003.62	12.42182	(15120717)

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        413490.29   3729003.62        9.45753  (16110817)                413995.04
3729003.62       14.47787  (15010617)
        414499.79   3729003.62       14.34902  (15120817)                415004.54
3729003.62       13.71854  (15111217)
        415509.29   3729003.62       12.08465  (16012217)                416014.04
3729003.62       11.28295  (14120817)
        416518.79   3729003.62       11.88308  (14112617)                417023.54
3729003.62       10.72790  (15122917)
        406928.54   3729507.54       11.17912  (13012117)                407433.29
3729507.54        9.76332  (13012117)
        407938.04   3729507.54        5.13839  (13012117)                408442.79
3729507.54        4.67223  (12112917)
        408947.54   3729507.54       10.57958  (12112917)                409452.29
3729507.54        8.48588  (12112917)
        409957.04   3729507.54        7.89384  (12121217)                410461.79
3729507.54        8.86466  (12121217)
        410966.54   3729507.54        8.72281  (14111717)                411471.29
3729507.54        8.61716  (14111717)
        411976.04   3729507.54       11.67988  (15121017)                412480.79
3729507.54        9.27949  (15121017)
        412985.54   3729507.54       12.32369  (15120717)                413490.29
3729507.54       13.25135  (13122717)
        413995.04   3729507.54       13.02796  (14111817)                414499.79
3729507.54       13.37737  (15120817)
        415004.54   3729507.54       12.60905  (15112717)                415509.29
3729507.54       12.29488  (13112617)
        416014.04   3729507.54       12.09555  (12111317)                416518.79
3729507.54       12.83078  (13112917)
        417023.54   3729507.54       11.27013  (14112617)                406928.54
3730011.46        5.11647  (13012117)
        407433.29   3730011.46        4.15279  (13012117)                407938.04
3730011.46        2.98555  (13012117)
        408442.79   3730011.46        5.52362  (12112917)                408947.54
3730011.46        9.22589  (12112917)
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                         ***        16:48:31

                                    PAGE 513
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SRCGP2   ***
                                    INCLUDING SOURCE(S):     L0000145    , L0000146
, L0000147    , L0000148    , L0000149    ,
                 L0000150    , L0000151    , L0000152    , L0000153    , L0000154
, L0000155    , L0000156    , L0000157    ,
                 L0000158    , L0000159    , L0000160    , L0000161    , L0000162
, L0000163    , L0000164    , L0000165    ,
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L0000166 , L0000167 , L0000168 , L0000169 , L0000170
, L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
409452.29	3730011.46	7.69708	(12112917)	409957.04	3730011.46	7.45547	(12121217)
410461.79	3730011.46	8.06187	(12121217)	410966.54	3730011.46	10.22951	(14111717)
411471.29	3730011.46	11.79330	(14111717)	411976.04	3730011.46	7.88413	(15121017)
412480.79	3730011.46	10.66294	(15121017)	412985.54	3730011.46	9.55175	(15120717)
413490.29	3730011.46	12.62448	(13122717)	413995.04	3730011.46	13.07846	(16102717)
414499.79	3730011.46	12.57355	(15010617)	415004.54	3730011.46	12.54357	(15120817)
415509.29	3730011.46	11.95888	(15111217)	416014.04	3730011.46	11.61172	(13112617)
416518.79	3730011.46	10.92044	(12111317)	417023.54	3730011.46	9.65910	(13112917)
406928.54	3730515.38	4.16364	(13012117)	407433.29	3730515.38	3.91546	(13012117)
407938.04	3730515.38	3.30401	(13012317)	408442.79	3730515.38	6.40190	(12112917)
408947.54	3730515.38	6.64551	(12112917)	409452.29	3730515.38	7.23245	(12112917)
409957.04	3730515.38	7.07129	(12121217)	410461.79	3730515.38	8.42817	(12121217)
410966.54	3730515.38	10.98206	(14111717)	411471.29	3730515.38	10.66373	(14111717)
411976.04	3730515.38	9.47555	(15121017)	412480.79	3730515.38	11.20405	(15121017)
412985.54	3730515.38	11.21332	(15120717)	413490.29	3730515.38	11.41710	(13122717)
413995.04	3730515.38	11.81781	(16102717)	414499.79	3730515.38	11.32053	(15010617)
415004.54	3730515.38	12.31280	(15120817)	415509.29	3730515.38	10.82916	(15112717)
416014.04	3730515.38	11.26474	(13112617)	416518.79	3730515.38	10.01350	(12111317)
417023.54	3730515.38	10.07434	(12111317)	410498.80			

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3722355.26      112.32622  (13120917)
        410518.80   3722355.26      116.15994  (13120917)                410538.80
3722355.26      120.12727  (13120917)
        410558.80   3722355.26      124.23801  (13120917)                410578.80
3722355.26      128.35988  (13120917)
        410598.80   3722355.26      133.09208  (13120917)                410618.80
3722355.26      136.85255  (13120917)
        410638.80   3722355.26      141.23364  (13120917)                410658.80
3722355.26      146.60699  (13120917)
        410678.80   3722355.26      151.38060  (13120917)                410698.80
3722355.26      155.86759  (13120917)
        410718.80   3722355.26      160.35592  (13120917)                410738.80
3722355.26      164.29630  (13120917)
        410498.80   3722375.26      110.40305  (13120917)                410518.80
3722375.26      114.39101  (13120917)
        410538.80   3722375.26      118.57315  (13120917)                410558.80
3722375.26      122.92906  (13120917)
        410578.80   3722375.26      127.79105  (13120917)                410598.80
3722375.26      131.75656  (13120917)
        410618.80   3722375.26      136.37418  (13120917)                410638.80
3722375.26      142.12209  (13120917)
        410658.80   3722375.26      147.20993  (13120917)                410678.80
3722375.26      152.02226  (13120917)
        410698.80   3722375.26      156.89776  (13120917)                410718.80
3722375.26      162.26359  (13120917)
        410738.80   3722375.26      167.39400  (13120917)                410758.80
3722375.26      171.81608  (13120917)
        410498.80   3722395.26      107.88168  (13120917)                410518.80
3722395.26      112.02234  (13120917)
        410538.80   3722395.26      116.32277  (13120917)                410558.80
3722395.26      121.21194  (13120917)
        410578.80   3722395.26      125.42170  (13120917)                410598.80
3722395.26      130.12137  (13120917)
        410618.80   3722395.26      135.86776  (13120917)                410638.80
3722395.26      141.28654  (13120917)
        410658.80   3722395.26      146.41528  (13120917)                410678.80
3722395.26      151.54603  (13120917)
        410698.80   3722395.26      157.05949  (13120917)                410718.80
3722395.26      162.60222  (13120917)
        410738.80   3722395.26      168.67444  (13120917)                410758.80
3722395.26      174.32034  (13120917)
        410778.80   3722395.26      179.53299  (13120917)                410498.80
3722415.26      104.99270  (13120917)
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                         ***        16:48:31

                                   PAGE 514
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SRCGP2 ***

INCLUDING SOURCE(S): L0000145 , L0000146 , L0000147 , L0000148 , L0000149 , L0000150 , L0000151 , L0000152 , L0000153 , L0000154 , L0000155 , L0000156 , L0000157 , L0000158 , L0000159 , L0000160 , L0000161 , L0000162 , L0000163 , L0000164 , L0000165 , L0000166 , L0000167 , L0000168 , L0000169 , L0000170 , L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
410518.80	3722415.26	109.09722	(13120917)	410538.80	3722415.26	113.78566	(13120917)
410558.80	3722415.26	118.21488	(13120917)	410578.80	3722415.26	122.77409	(13120917)
410598.80	3722415.26	128.38328	(13120917)	410618.80	3722415.26	133.94823	(13120917)
410638.80	3722415.26	139.21876	(13120917)	410658.80	3722415.26	144.50034	(13120917)
410678.80	3722415.26	150.34817	(13120917)	410698.80	3722415.26	156.19235	(13120917)
410718.80	3722415.26	161.91823	(13120917)	410738.80	3722415.26	168.32541	(13120917)
410758.80	3722415.26	175.00191	(13120917)	410778.80	3722415.26	180.99984	(13120917)
410798.80	3722415.26	187.21035	(13120917)	410498.80	3722435.26	101.45855	(13120917)
410518.80	3722435.26	105.84527	(13120917)	410538.80	3722435.26	110.38514	(13120917)
410558.80	3722435.26	114.72179	(13120917)	410578.80	3722435.26	119.95798	(13120917)
410598.80	3722435.26	125.62774	(13120917)	410618.80	3722435.26	130.85940	(13120917)
410638.80	3722435.26	136.16323	(13120917)	410658.80	3722435.26	141.99790	(13120917)
410678.80	3722435.26	148.03255	(13120917)	410698.80	3722435.26	154.07071	(13120917)
410718.80	3722435.26	160.22650	(13120917)	410738.80	3722435.26	166.64278	(13120917)

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        410758.80   3722435.26      173.86306  (13120917)               410778.80
3722435.26      180.99701  (13120917)
        410798.80   3722435.26      187.11900  (13120917)               410818.80
3722435.26      194.67767  (13120917)
        410498.80   3722455.26      101.05070  (13121917)               410518.80
3722455.26      103.29659  (13121917)
        410538.80   3722455.26      106.22051  (13120917)               410558.80
3722455.26      111.04961  (13120917)
        410578.80   3722455.26      116.63312  (13120917)               410598.80
3722455.26      121.76905  (13120917)
        410618.80   3722455.26      126.94788  (13120917)               410638.80
3722455.26      132.57156  (13120917)
        410658.80   3722455.26      138.57009  (13120917)               410678.80
3722455.26      144.68278  (13120917)
        410698.80   3722455.26      150.79041  (13120917)               410718.80
3722455.26      157.23453  (13120917)
        410738.80   3722455.26      163.87374  (13120917)               410758.80
3722455.26      171.44487  (13120917)
        410778.80   3722455.26      178.32713  (13120917)               410798.80
3722455.26      185.09058  (13120917)
        410818.80   3722455.26      193.20348  (13120917)               410838.80
3722455.26      201.81013  (13120917)
        410498.80   3722475.26      105.41925  (13121917)               410518.80
3722475.26      107.48460  (13121917)
        410538.80   3722475.26      109.63508  (13121917)               410558.80
3722475.26      112.66439  (13121917)
        410578.80   3722475.26      115.21302  (13121917)               410598.80
3722475.26      117.55488  (13121917)
        410618.80   3722475.26      122.47853  (13120917)               410638.80
3722475.26      128.30625  (13120917)
        410658.80   3722475.26      134.21661  (13120917)               410678.80
3722475.26      140.41238  (13120917)
        410698.80   3722475.26      146.61667  (13120917)               410718.80
3722475.26      153.11318  (13120917)
        410738.80   3722475.26      160.03729  (13120917)               410758.80
3722475.26      167.70564  (13120917)
        410778.80   3722475.26      174.03238  (13120917)               410798.80
3722475.26      182.19353  (13120917)
        410818.80   3722475.26      190.84749  (13120917)               410838.80
3722475.26      199.13031  (13120917)
        410498.80   3722495.26      109.00391  (13121917)               410518.80
3722495.26      111.21847  (13121917)
        410538.80   3722495.26      114.23360  (13121917)               410558.80
3722495.26      117.11429  (13121917)
        410578.80   3722495.26      119.68645  (13121917)               410598.80
3722495.26      122.29787  (13121917)
        410618.80   3722495.26      125.28762  (13121917)               410638.80
3722495.26      128.22745  (13121917)
        410658.80   3722495.26      131.43060  (13121917)               410678.80
3722495.26      135.45349  (13120917)
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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SRCGP2 ***
INCLUDING SOURCE(S): L0000145 , L0000146 , L0000147 , L0000148 , L0000149 ,
L0000150 , L0000151 , L0000152 , L0000153 , L0000154 , L0000155 , L0000156 , L0000157 ,
L0000158 , L0000159 , L0000160 , L0000161 , L0000162 , L0000163 , L0000164 , L0000165 ,
L0000166 , L0000167 , L0000168 , L0000169 , L0000170 , L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
410738.80	3722495.26	155.22353	(13120917)	410758.80	3722495.26	162.73356	(13120917)
410778.80	3722495.26	169.30615	(13120917)	410798.80	3722495.26	177.92319	(13120917)
410818.80	3722495.26	186.66012	(13120917)	410838.80	3722495.26	195.31376	(13120917)
410858.80	3722495.26	204.53546	(13120917)	410498.80	3722515.26	111.84497	(13121917)
410518.80	3722515.26	114.73785	(13121917)	410538.80	3722515.26	117.92910	(13121917)
410558.80	3722515.26	120.63657	(13121917)	410578.80	3722515.26	123.30109	(13121917)
410598.80	3722515.26	126.45851	(13121917)	410618.80	3722515.26	129.69594	(13121917)
410638.80	3722515.26	132.87936	(13121917)	410658.80	3722515.26	136.33433	(13121917)
410678.80	3722515.26	139.96492	(13121917)	410698.80	3722515.26	143.35381	(13121917)
410718.80	3722515.26	146.93281	(13121917)	410738.80			

3722515.26 151.17735 (13121917)
410758.80 3722515.26 156.95079 (13120917) 410778.80
3722515.26 163.67273 (13120917)
410798.80 3722515.26 172.41601 (13120917) 410818.80
3722515.26 181.42645 (13120917)
410838.80 3722515.26 190.40376 (13120917) 410858.80
3722515.26 199.38321 (13120917)
410878.80 3722515.26 209.33616 (13120917) 410498.80
3722535.26 114.26844 (13121917)
410518.80 3722535.26 117.65628 (13121917) 410538.80
3722535.26 120.51905 (13121917)
410558.80 3722535.26 123.30689 (13121917) 410578.80
3722535.26 126.32170 (13121917)
410598.80 3722535.26 129.68244 (13121917) 410618.80
3722535.26 133.08402 (13121917)
410638.80 3722535.26 136.53345 (13121917) 410658.80
3722535.26 140.16626 (13121917)
410678.80 3722535.26 143.89384 (13121917) 410698.80
3722535.26 147.56553 (13121917)
410718.80 3722535.26 151.37563 (13121917) 410738.80
3722535.26 155.91012 (13121917)
410758.80 3722535.26 160.42656 (13121917) 410778.80
3722535.26 164.11282 (13121917)
410798.80 3722535.26 169.87734 (13121917) 410818.80
3722535.26 175.62234 (13121917)
410838.80 3722535.26 183.81935 (13120917) 410858.80
3722535.26 193.19129 (13120917)
410878.80 3722535.26 202.81789 (13120917) 410898.80
3722535.26 213.50444 (13120917)
410498.80 3722555.26 116.35717 (13121917) 410518.80
3722555.26 119.33425 (13121917)
410538.80 3722555.26 122.29288 (13121917) 410558.80
3722555.26 125.17608 (13121917)
410578.80 3722555.26 128.44424 (13121917) 410598.80
3722555.26 131.78481 (13121917)
410618.80 3722555.26 135.27954 (13121917) 410638.80
3722555.26 138.85735 (13121917)
410658.80 3722555.26 142.61084 (13121917) 410678.80
3722555.26 146.49326 (13121917)
410698.80 3722555.26 150.55921 (13121917) 410718.80
3722555.26 154.52849 (13121917)
410738.80 3722555.26 159.25700 (13121917) 410758.80
3722555.26 163.90800 (13121917)
410778.80 3722555.26 167.83034 (13121917) 410798.80
3722555.26 173.89777 (13121917)
410818.80 3722555.26 179.42198 (13121917) 410838.80
3722555.26 185.04358 (13121917)
410858.80 3722555.26 191.03916 (13121917) 410878.80
3722555.26 197.99868 (13121917)
410898.80 3722555.26 205.93903 (13120917) 410918.80

3722555.26   217.21229 (13120917)
        410498.80   3722575.26   117.42849 (13121917)   410518.80
3722575.26   120.17587 (13121917)
        410538.80   3722575.26   123.17098 (13121917)   410558.80
3722575.26   126.24264 (13121917)
        410578.80   3722575.26   129.54230 (13121917)   410598.80
3722575.26   132.92960 (13121917)
        410618.80   3722575.26   136.46968 (13121917)   410638.80
3722575.26   140.13838 (13121917)
        410658.80   3722575.26   143.95579 (13121917)   410678.80
3722575.26   147.93830 (13121917)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2   ***
                                   INCLUDING SOURCE(S):   L0000145   , L0000146
, L0000147   , L0000148   , L0000149   ,
                  L0000150   , L0000151   , L0000152   , L0000153   , L0000154
, L0000155   , L0000156   , L0000157   ,
                  L0000158   , L0000159   , L0000160   , L0000161   , L0000162
, L0000163   , L0000164   , L0000165   ,
                  L0000166   , L0000167   , L0000168   , L0000169   , L0000170
, L0000171   , L0000172   , . . .   ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                         ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        410698.80   3722575.26   152.11434 (13121917)   410718.80
3722575.26   156.40402 (13121917)
        410738.80   3722575.26   161.01971 (13121917)   410758.80
3722575.26   165.35375 (13121917)
        410778.80   3722575.26   170.19251 (13121917)   410798.80
3722575.26   176.11950 (13121917)
        410818.80   3722575.26   181.54814 (13121917)   410838.80
3722575.26   186.92582 (13121917)
        410858.80   3722575.26   192.94878 (13121917)   410878.80
3722575.26   200.11247 (13121917)

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        410898.80   3722575.26      207.23649  (13121917)               410918.80
3722575.26      214.20503  (13121917)
        410938.80   3722575.26      221.96498  (13121917)               410498.80
3722595.26      117.61683  (13121917)
        410518.80   3722595.26      120.52584  (13121917)               410538.80
3722595.26      123.63473  (13121917)
        410558.80   3722595.26      126.83479  (13121917)               410578.80
3722595.26      130.08339  (13121917)
        410598.80   3722595.26      133.54831  (13121917)               410618.80
3722595.26      137.14825  (13121917)
        410638.80   3722595.26      140.87612  (13121917)               410658.80
3722595.26      144.79344  (13121917)
        410678.80   3722595.26      148.85491  (13121917)               410698.80
3722595.26      153.10674  (13121917)
        410718.80   3722595.26      157.52694  (13121917)               410738.80
3722595.26      162.25621  (13121917)
        410758.80   3722595.26      166.83498  (13121917)               410778.80
3722595.26      171.26023  (13121917)
        410798.80   3722595.26      176.74331  (13121917)               410818.80
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        410838.80   3722595.26      187.95248  (13121917)               410858.80
3722595.26      193.54115  (13121917)
        410878.80   3722595.26      200.60519  (13121917)               410898.80
3722595.26      207.46209  (13121917)
        410918.80   3722595.26      214.10711  (13121917)               410938.80
3722595.26      221.67364  (13121917)
        410498.80   3722615.26      117.02023  (13121917)               410518.80
3722615.26      119.97524  (13121917)
        410538.80   3722615.26      123.12753  (13121917)               410558.80
3722615.26      126.35737  (13121917)
        410578.80   3722615.26      129.71901  (13121917)               410598.80
3722615.26      133.17541  (13121917)
        410618.80   3722615.26      136.81428  (13121917)               410638.80
3722615.26      140.58811  (13121917)
        410658.80   3722615.26      144.54308  (13121917)               410678.80
3722615.26      148.67024  (13121917)
        410698.80   3722615.26      152.99440  (13121917)               410718.80
3722615.26      157.39110  (13121917)
        410738.80   3722615.26      162.12624  (13121917)               410758.80
3722615.26      166.81540  (13121917)
        410778.80   3722615.26      171.15703  (13121917)               410798.80
3722615.26      176.21016  (13121917)
        410818.80   3722615.26      181.19827  (13121917)               410838.80
3722615.26      186.90829  (13121917)
        410858.80   3722615.26      192.63791  (13121917)               410878.80
3722615.26      199.10075  (13121917)
        410898.80   3722615.26      205.62978  (13121917)               410918.80
3722615.26      212.34692  (13121917)
        410938.80   3722615.26      219.60134  (13121917)               410958.80
3722615.26      227.58604  (13121917)
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        410498.80   3722635.26      115.49695  (13121917)                410518.80
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        410538.80   3722635.26      121.66874  (13121917)                410558.80
3722635.26      124.92438  (13121917)
        410578.80   3722635.26      128.27974  (13121917)                410598.80
3722635.26      131.81120  (13121917)
        410618.80   3722635.26      135.42692  (13121917)                410638.80
3722635.26      139.23512  (13121917)
        410658.80   3722635.26      143.16248  (13121917)                410678.80
3722635.26      147.24887  (13121917)
        410698.80   3722635.26      151.52660  (13121917)                410718.80
3722635.26      155.96361  (13121917)
        410738.80   3722635.26      160.61177  (13121917)                410758.80
3722635.26      165.29205  (13121917)
        410778.80   3722635.26      169.83139  (13121917)                410798.80
3722635.26      174.81177  (13121917)
        410818.80   3722635.26      179.60855  (13121917)                410838.80
3722635.26      185.34523  (13121917)
        410858.80   3722635.26      191.31570  (13121917)                410878.80
3722635.26      197.49490  (13121917)
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                        ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        16:48:31

                                   PAGE 517
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SRCGP2   ***
                                   INCLUDING SOURCE(S):     L0000145    , L0000146
, L0000147    , L0000148    , L0000149    ,
                  L0000150    , L0000151    , L0000152    , L0000153    , L0000154
, L0000155    , L0000156    , L0000157    ,
                  L0000158    , L0000159    , L0000160    , L0000161    , L0000162
, L0000163    , L0000164    , L0000165    ,
                  L0000166    , L0000167    , L0000168    , L0000169    , L0000170
, L0000171    , L0000172    ,  . . .      ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
        410898.80   3722635.26      203.75176  (13121917)                410918.80
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3722635.26 210.16464 (13121917)
410938.80 3722635.26 217.10222 (13121917) 410958.80
3722635.26 224.60360 (13121917)
410978.80 3722635.26 232.58389 (14120317) 410498.80
3722655.26 113.49011 (13121917)
410518.80 3722655.26 116.45883 (13121917) 410538.80
3722655.26 119.55427 (13121917)
410558.80 3722655.26 122.75272 (13121917) 410578.80
3722655.26 126.07639 (13121917)
410598.80 3722655.26 129.54469 (13121917) 410618.80
3722655.26 133.12242 (13121917)
410638.80 3722655.26 136.84915 (13121917) 410658.80
3722655.26 140.77297 (13121917)
410678.80 3722655.26 144.80597 (13121917) 410698.80
3722655.26 149.02794 (13121917)
410718.80 3722655.26 153.41224 (13121917) 410738.80
3722655.26 157.97480 (13121917)
410758.80 3722655.26 162.69065 (13121917) 410778.80
3722655.26 167.54902 (13121917)
410798.80 3722655.26 172.32385 (13121917) 410818.80
3722655.26 176.98063 (13121917)
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3722655.26 189.09195 (13121917)
410878.80 3722655.26 195.25480 (13121917) 410898.80
3722655.26 201.38911 (13121917)
410918.80 3722655.26 207.88180 (13121917) 410938.80
3722655.26 214.69719 (13121917)
410958.80 3722655.26 222.39066 (14120317) 410978.80
3722655.26 235.77543 (14120317)
410998.80 3722655.26 250.51733 (14120317) 410498.80
3722675.26 111.08011 (13121917)
410518.80 3722675.26 114.22347 (13121917) 410538.80
3722675.26 117.30091 (13121917)
410558.80 3722675.26 120.43480 (13121917) 410578.80
3722675.26 123.76622 (13121917)
410598.80 3722675.26 127.21424 (13121917) 410618.80
3722675.26 130.75745 (13121917)
410638.80 3722675.26 134.12019 (13121917) 410658.80
3722675.26 138.22296 (13121917)
410678.80 3722675.26 142.26760 (13121917) 410698.80
3722675.26 146.44738 (13121917)
410718.80 3722675.26 150.76456 (13121917) 410738.80
3722675.26 155.26623 (13121917)
410758.80 3722675.26 159.86250 (13121917) 410778.80
3722675.26 164.43518 (13121917)
410798.80 3722675.26 169.06969 (13121917) 410818.80
3722675.26 173.65892 (13121917)
410838.80 3722675.26 179.33375 (13121917) 410858.80
3722675.26 185.57413 (13121917)
410878.80 3722675.26 191.74680 (13121917) 410898.80

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        410918.80   3722675.26      204.36097  (13121917)                410938.80
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        410958.80   3722675.26      224.76573  (14120317)                410978.80
3722675.26      237.12337  (14120317)
        410998.80   3722675.26      250.70073  (14120317)                411018.80
3722675.26      265.19572  (14120317)
        410498.80   3722695.26      108.25633  (13121917)                410518.80
3722695.26      111.29996  (13121917)
        410538.80   3722695.26      114.28619  (13121917)                410558.80
3722695.26      117.38089  (13121917)
        410578.80   3722695.26      120.64307  (13121917)                410598.80
3722695.26      124.04986  (13121917)
        410618.80   3722695.26      127.43637  (13121917)                410638.80
3722695.26      130.73831  (13121917)
        410658.80   3722695.26      134.86404  (13121917)                410678.80
3722695.26      138.81776  (13121917)
        410698.80   3722695.26      142.93750  (13121917)                410718.80
3722695.26      147.15882  (13121917)
        410738.80   3722695.26      151.67446  (13121917)                410758.80
3722695.26      156.14822  (13121917)
        410778.80   3722695.26      160.56365  (13121917)                410798.80
3722695.26      165.19486  (13121917)
        410818.80   3722695.26      169.76456  (13121917)                410838.80
3722695.26      175.36733  (13121917)
        410858.80   3722695.26      181.50395  (13121917)                410878.80
3722695.26      187.45843  (13121917)
        410898.80   3722695.26      193.67155  (14120317)                410918.80
3722695.26      203.54268  (14120317)
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***       05/26/20
 *** AERMET - VERSION  16216 ***   ***
                         ***       16:48:31

                                   PAGE 518
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SRCGP2   ***
                                   INCLUDING SOURCE(S):     L0000145    , L0000146
, L0000147    , L0000148    , L0000149    ,
                  L0000150    , L0000151    , L0000152    , L0000153    , L0000154
, L0000155    , L0000156    , L0000157    ,
                  L0000158    , L0000159    , L0000160    , L0000161    , L0000162
, L0000163    , L0000164    , L0000165    ,
                  L0000166    , L0000167    , L0000168    , L0000169    , L0000170
, L0000171    , L0000172    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
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** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
410938.80	3722695.26	214.37796	(14120317)	410958.80	3722695.26	225.45478	(14120317)
410978.80	3722695.26	236.60706	(14120317)	410998.80	3722695.26	249.21492	(14120317)
411018.80	3722695.26	263.35804	(14120317)	411038.80	3722695.26	277.63032	(14120317)
410498.80	3722715.26	104.94868	(13121917)	410518.80	3722715.26	107.77645	(13121917)
410538.80	3722715.26	110.61018	(13121917)	410558.80	3722715.26	113.56923	(13121917)
410578.80	3722715.26	116.84090	(13121917)	410598.80	3722715.26	120.19872	(13121917)
410618.80	3722715.26	123.49139	(13121917)	410638.80	3722715.26	126.71093	(13121917)
410658.80	3722715.26	130.70958	(13121917)	410678.80	3722715.26	134.56441	(13121917)
410698.80	3722715.26	138.57872	(13121917)	410718.80	3722715.26	142.76033	(13121917)
410738.80	3722715.26	147.09187	(13121917)	410758.80	3722715.26	151.60390	(13121917)
410778.80	3722715.26	156.01591	(13121917)	410798.80	3722715.26	160.60647	(13121917)
410818.80	3722715.26	165.17082	(13121917)	410838.80	3722715.26	170.66433	(13121917)
410858.80	3722715.26	178.28439	(14120317)	410878.80	3722715.26	186.68604	(14120317)
410898.80	3722715.26	195.14428	(14120317)	410918.80	3722715.26	204.37600	(14120317)
410938.80	3722715.26	214.58322	(14120317)	410958.80	3722715.26	225.11882	(14120317)
410978.80	3722715.26	235.30618	(14120317)	410998.80	3722715.26	247.42664	(14120317)
411018.80	3722715.26	260.52577	(14120317)	411038.80	3722715.26	274.62769	(14120317)
410498.80	3722735.26	100.91053	(13121917)	410518.80	3722735.26	103.57553	(13121917)
410538.80	3722735.26	106.35374	(13121917)	410558.80	3722735.26	109.27403	(13121917)
410578.80	3722735.26	112.49128	(13121917)	410598.80	3722735.26	115.79770	(13121917)
410618.80	3722735.26	119.04640	(13121917)	410638.80	3722735.26	122.10459	(13121917)

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        410658.80   3722735.26      125.71911  (13121917)                410678.80
3722735.26      129.45874  (13121917)
        410698.80   3722735.26      133.35130  (13121917)                410718.80
3722735.26      137.42122  (13121917)
        410738.80   3722735.26      141.64321  (13121917)                410758.80
3722735.26      146.17629  (13121917)
        410778.80   3722735.26      151.89621  (14120317)                410798.80
3722735.26      158.25370  (14120317)
        410818.80   3722735.26      164.85122  (14120317)                410838.80
3722735.26      172.13102  (14120317)
        410858.80   3722735.26      179.99132  (14120317)                410878.80
3722735.26      187.98849  (14120317)
        410898.80   3722735.26      196.12703  (14120317)                410918.80
3722735.26      204.58817  (14120317)
        410938.80   3722735.26      213.59760  (14120317)                410958.80
3722735.26      223.19354  (14120317)
        410978.80   3722735.26      233.58174  (14120317)                410998.80
3722735.26      245.41137  (14120317)
        411018.80   3722735.26      257.56606  (14120317)                411038.80
3722735.26      270.62771  (14120317)
        411058.80   3722735.26      285.40565  (14120317)                410498.80
3722755.26       96.93693  (13121917)
        410518.80   3722755.26       99.50806  (13121917)                410538.80
3722755.26      102.17710  (13121917)
        410558.80   3722755.26      104.87930  (13121917)                410578.80
3722755.26      107.90900  (13121917)
        410598.80   3722755.26      111.01512  (13121917)                410618.80
3722755.26      114.10467  (13121917)
        410638.80   3722755.26      117.09046  (13121917)                410658.80
3722755.26      121.83646  (14120317)
        410678.80   3722755.26      126.66193  (14120317)                410698.80
3722755.26      131.74260  (14120317)
        410718.80   3722755.26      137.01557  (14120317)                410738.80
3722755.26      142.49816  (14120317)
        410758.80   3722755.26      148.28210  (14120317)                410778.80
3722755.26      154.16739  (14120317)
        410798.80   3722755.26      160.17931  (14120317)                410818.80
3722755.26      166.45585  (14120317)
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***       05/26/20
 *** AERMET - VERSION  16216 ***   ***
                         ***       16:48:31

                                   PAGE 519
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SRCGP2   ***
                                   INCLUDING SOURCE(S):     L0000145    , L0000146
, L0000147    , L0000148    , L0000149    ,
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                 L0000150    , L0000151    , L0000152    , L0000153    , L0000154
, L0000155    , L0000156    , L0000157    ,
                 L0000158    , L0000159    , L0000160    , L0000161    , L0000162
, L0000163    , L0000164    , L0000165    ,
                 L0000166    , L0000167    , L0000168    , L0000169    , L0000170
, L0000171    , L0000172    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                      ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        410838.80   3722755.26      173.39310  (14120317)               410858.80
3722755.26      180.79091  (14120317)
        410878.80   3722755.26      188.39592  (14120317)               410898.80
3722755.26      196.25207  (14120317)
        410918.80   3722755.26      204.34857  (14120317)               410938.80
3722755.26      212.50973  (14120317)
        410958.80   3722755.26      221.38106  (14120317)               410978.80
3722755.26      231.56912  (14120317)
        410998.80   3722755.26      241.99492  (14120317)               411018.80
3722755.26      253.86196  (14120317)
        411038.80   3722755.26      266.83314  (14120317)               411058.80
3722755.26      280.65479  (14120317)
        411078.80   3722755.26      296.21147  (14120317)               410498.80
3722775.26       94.67941  (15012617)
        410518.80   3722775.26       96.89003  (15012617)               410538.80
3722775.26      100.17232  (14120317)
        410558.80   3722775.26      103.80858  (14120317)               410578.80
3722775.26      107.62261  (14120317)
        410598.80   3722775.26      111.62398  (14120317)               410618.80
3722775.26      115.69453  (14120317)
        410638.80   3722775.26      119.83506  (14120317)               410658.80
3722775.26      124.55639  (14120317)
        410678.80   3722775.26      129.25929  (14120317)               410698.80
3722775.26      134.16688  (14120317)
        410718.80   3722775.26      139.26994  (14120317)               410738.80
3722775.26      144.59729  (14120317)
        410758.80   3722775.26      150.07708  (14120317)               410778.80
3722775.26      155.65777  (14120317)
        410798.80   3722775.26      161.37012  (14120317)               410818.80
3722775.26      167.25360  (14120317)
        410838.80   3722775.26      173.82390  (14120317)               410858.80
3722775.26      180.83855  (14120317)
        410878.80   3722775.26      187.77119  (14120317)               410898.80
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3722775.26      195.31901  (14120317)
        410918.80   3722775.26      203.21769  (14120317)                410938.80
3722775.26      210.62832  (14120317)
        410958.80   3722775.26      219.95503  (14120317)                410978.80
3722775.26      229.69144  (14120317)
        410998.80   3722775.26      239.21076  (14120317)                411018.80
3722775.26      249.85622  (14120317)
        411038.80   3722775.26      262.46056  (14120317)                411058.80
3722775.26      275.91805  (14120317)
        411078.80   3722775.26      290.93625  (14120317)                411098.80
3722775.26      307.39800  (14120317)
        410498.80   3722795.26       96.08237  (14120317)                410518.80
3722795.26       99.37940  (14120317)
        410538.80   3722795.26      102.81770  (14120317)                410558.80
3722795.26      106.36037  (14120317)
        410578.80   3722795.26      110.14394  (14120317)                410598.80
3722795.26      114.06957  (14120317)
        410618.80   3722795.26      118.06105  (14120317)                410638.80
3722795.26      122.07617  (14120317)
        410658.80   3722795.26      126.60383  (14120317)                410678.80
3722795.26      131.08785  (14120317)
        410698.80   3722795.26      135.83170  (14120317)                410718.80
3722795.26      140.72719  (14120317)
        410738.80   3722795.26      145.73859  (14120317)                410758.80
3722795.26      151.03247  (14120317)
        410778.80   3722795.26      156.42971  (14120317)                410798.80
3722795.26      161.79677  (14120317)
        410818.80   3722795.26      167.37826  (14120317)                410838.80
3722795.26      173.64265  (14120317)
        410858.80   3722795.26      180.32745  (14120317)                410878.80
3722795.26      186.76287  (14120317)
        410898.80   3722795.26      193.69625  (14120317)                410918.80
3722795.26      200.96682  (14120317)
        410938.80   3722795.26      208.95249  (14120317)                410958.80
3722795.26      217.89435  (14120317)
        410978.80   3722795.26      227.00785  (14120317)                410998.80
3722795.26      236.51753  (14120317)
        411018.80   3722795.26      246.49098  (14120317)                411038.80
3722795.26      257.87641  (14120317)
        411058.80   3722795.26      271.18288  (14120317)                411078.80
3722795.26      285.48433  (14120317)
        411098.80   3722795.26      301.58775  (14120317)                411118.80
3722795.26      319.47586  (14120317)
        410498.80   3722815.26       98.33507  (14120317)                410518.80
3722815.26      101.57021  (14120317)
        410538.80   3722815.26      104.93272  (14120317)                410558.80
3722815.26      108.42442  (14120317)
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***       05/26/20
 *** AERMET - VERSION  16216 ***   ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SRCGP2 ***
INCLUDING SOURCE(S): L0000145 , L0000146 , L0000147 , L0000148 , L0000149 , L0000150 , L0000151 , L0000152 , L0000153 , L0000154 , L0000155 , L0000156 , L0000157 , L0000158 , L0000159 , L0000160 , L0000161 , L0000162 , L0000163 , L0000164 , L0000165 , L0000166 , L0000167 , L0000168 , L0000169 , L0000170 , L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
410578.80	3722815.26	112.17846	(14120317)	410598.80	3722815.26	116.00638	(14120317)
410618.80	3722815.26	119.88757	(14120317)	410638.80	3722815.26	123.69695	(14120317)
410658.80	3722815.26	127.91572	(14120317)	410678.80	3722815.26	132.24582	(14120317)
410698.80	3722815.26	136.72836	(14120317)	410718.80	3722815.26	141.38421	(14120317)
410738.80	3722815.26	146.23383	(14120317)	410758.80	3722815.26	151.31333	(14120317)
410778.80	3722815.26	156.56172	(14120317)	410798.80	3722815.26	161.61363	(14120317)
410818.80	3722815.26	166.91838	(14120317)	410838.80	3722815.26	172.83392	(14120317)
410858.80	3722815.26	179.19448	(14120317)	410878.80	3722815.26	185.62977	(14120317)
410898.80	3722815.26	191.90605	(14120317)	410918.80	3722815.26	198.87175	(14120317)
410938.80	3722815.26	206.87659	(14120317)	410958.80	3722815.26	215.24676	(14120317)
410978.80	3722815.26	223.87156	(14120317)	410998.80	3722815.26	233.33611	(14120317)
411018.80	3722815.26	243.36259	(14120317)	411038.80	3722815.26	253.61101	(14120317)

411058.80 3722815.26 266.07090 (14120317) 411078.80
3722815.26 280.38043 (14120317)
411098.80 3722815.26 295.33523 (14120317) 411118.80
3722815.26 312.51973 (14120317)
411138.80 3722815.26 340.00907 (13012117) 410498.80
3722835.26 100.38403 (14120317)
410518.80 3722835.26 103.54804 (14120317) 410538.80
3722835.26 106.81972 (14120317)
410558.80 3722835.26 110.18402 (14120317) 410578.80
3722835.26 113.72793 (14120317)
410598.80 3722835.26 117.40213 (14120317) 410618.80
3722835.26 121.13873 (14120317)
410638.80 3722835.26 124.81657 (14120317) 410658.80
3722835.26 129.05908 (14120317)
410678.80 3722835.26 133.19133 (14120317) 410698.80
3722835.26 137.47266 (14120317)
410718.80 3722835.26 141.92534 (14120317) 410738.80
3722835.26 146.46178 (14120317)
410758.80 3722835.26 151.23793 (14120317) 410778.80
3722835.26 156.10629 (14120317)
410798.80 3722835.26 160.91244 (14120317) 410818.80
3722835.26 165.95452 (14120317)
410838.80 3722835.26 171.60427 (14120317) 410858.80
3722835.26 177.61092 (14120317)
410878.80 3722835.26 183.61767 (14120317) 410898.80
3722835.26 189.58913 (14120317)
410918.80 3722835.26 196.89379 (14120317) 410938.80
3722835.26 204.32351 (14120317)
410958.80 3722835.26 212.15696 (14120317) 410978.80
3722835.26 220.30176 (14120317)
410998.80 3722835.26 229.55117 (14120317) 411018.80
3722835.26 239.58530 (14120317)
411038.80 3722835.26 250.05336 (14120317) 411058.80
3722835.26 260.92692 (14120317)
411078.80 3722835.26 274.80039 (14120317) 411098.80
3722835.26 289.67961 (14120317)
411118.80 3722835.26 308.57129 (13012117) 411138.80
3722835.26 334.86305 (13012117)
410498.80 3722855.26 101.88839 (14120317) 410518.80
3722855.26 104.96158 (14120317)
410538.80 3722855.26 108.11574 (14120317) 410558.80
3722855.26 111.38207 (14120317)
410578.80 3722855.26 114.75004 (14120317) 410598.80
3722855.26 118.25774 (14120317)
410618.80 3722855.26 121.82203 (14120317) 410638.80
3722855.26 125.33706 (14120317)
410658.80 3722855.26 129.38244 (14120317) 410678.80
3722855.26 133.35364 (14120317)
410698.80 3722855.26 137.45805 (14120317) 410718.80
3722855.26 141.67199 (14120317)

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SRCGP2 ***
INCLUDING SOURCE(S): L0000145 , L0000146 , L0000147 , L0000148 , L0000149 ,
L0000150 , L0000151 , L0000152 , L0000153 , L0000154 , L0000155 , L0000156 , L0000157 ,
L0000158 , L0000159 , L0000160 , L0000161 , L0000162 , L0000163 , L0000164 , L0000165 ,
L0000166 , L0000167 , L0000168 , L0000169 , L0000170 , L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
410858.80	3722855.26	175.61882	(14120317)	410878.80	3722855.26	180.99032	(14120317)
410898.80	3722855.26	187.26580	(14120317)	410918.80	3722855.26	194.10294	(14120317)
410938.80	3722855.26	201.45097	(14120317)	410958.80	3722855.26	208.58013	(14120317)
410978.80	3722855.26	216.35653	(14120317)	410998.80	3722855.26	225.30080	(14120317)
411018.80	3722855.26	235.31790	(14120317)	411038.80	3722855.26	245.75865	(14120317)
411058.80	3722855.26	256.16396	(14120317)	411078.80	3722855.26	269.00240	(14120317)
411098.80	3722855.26	283.58736	(14120317)	411118.80	3722855.26	305.88607	(13012117)
411138.80	3722855.26	329.59365	(13012117)	411158.80			

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3722855.26      355.61821  (13012117)
        410498.80   3722875.26      102.86288  (14120317)              410518.80
3722875.26      105.82031  (14120317)
        410538.80   3722875.26      108.84119  (14120317)              410558.80
3722875.26      111.98772  (14120317)
        410578.80   3722875.26      115.19448  (14120317)              410598.80
3722875.26      118.52658  (14120317)
        410618.80   3722875.26      121.93867  (14120317)              410638.80
3722875.26      125.30693  (14120317)
        410658.80   3722875.26      129.07674  (14120317)              410678.80
3722875.26      132.85553  (14120317)
        410698.80   3722875.26      136.75002  (14120317)              410718.80
3722875.26      140.73014  (14120317)
        410738.80   3722875.26      144.83726  (14120317)              410758.80
3722875.26      149.10845  (14120317)
        410778.80   3722875.26      153.51467  (14120317)              410798.80
3722875.26      157.87079  (14120317)
        410818.80   3722875.26      162.46329  (14120317)              410838.80
3722875.26      167.55758  (14120317)
        410858.80   3722875.26      172.80260  (14120317)              410878.80
3722875.26      178.07180  (14120317)
        410898.80   3722875.26      184.34800  (14120317)              410918.80
3722875.26      190.84552  (14120317)
        410938.80   3722875.26      197.78073  (14120317)              410958.80
3722875.26      205.00492  (14120317)
        410978.80   3722875.26      212.20007  (14120317)              410998.80
3722875.26      220.55940  (14120317)
        411018.80   3722875.26      230.26431  (14120317)              411038.80
3722875.26      240.58660  (14120317)
        411058.80   3722875.26      250.89351  (14120317)              411078.80
3722875.26      262.80314  (14120317)
        411098.80   3722875.26      280.01700  (13012117)              411118.80
3722875.26      301.97086  (13012117)
        411138.80   3722875.26      324.15248  (13012117)              411158.80
3722875.26      348.61885  (13012117)
        411178.80   3722875.26      374.82566  (13012117)              410498.80
3722895.26      103.35595  (14120317)
        410518.80   3722895.26      106.13841  (14120317)              410538.80
3722895.26      109.05550  (14120317)
        410558.80   3722895.26      112.02915  (14120317)              410578.80
3722895.26      115.07889  (14120317)
        410598.80   3722895.26      118.19907  (14120317)              410618.80
3722895.26      121.47241  (14120317)
        410638.80   3722895.26      124.79095  (14120317)              410658.80
3722895.26      128.22028  (14120317)
        410678.80   3722895.26      131.71384  (14120317)              410698.80
3722895.26      135.41223  (14120317)
        410718.80   3722895.26      139.17226  (14120317)              410738.80
3722895.26      143.03143  (14120317)
        410758.80   3722895.26      147.11769  (14120317)              410778.80
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3722895.26   151.42909 (14120317)
        410798.80   3722895.26   155.73169 (14120317)   410818.80
3722895.26   160.10728 (14120317)
        410838.80   3722895.26   164.65091 (14120317)   410858.80
3722895.26   169.53704 (14120317)
        410878.80   3722895.26   175.12349 (14120317)   410898.80
3722895.26   180.58379 (14120317)
        410918.80   3722895.26   186.75137 (14120317)   410938.80
3722895.26   193.55451 (14120317)
        410958.80   3722895.26   200.61603 (14120317)   410978.80
3722895.26   207.63640 (14120317)
        410998.80   3722895.26   215.35638 (14120317)   411018.80
3722895.26   224.79979 (14120317)
        411038.80   3722895.26   234.68644 (14120317)   411058.80
3722895.26   244.64080 (14120317)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2   ***
                                   INCLUDING SOURCE(S):   L0000145   , L0000146
, L0000147   , L0000148   , L0000149   ,
                  L0000150   , L0000151   , L0000152   , L0000153   , L0000154
, L0000155   , L0000156   , L0000157   ,
                  L0000158   , L0000159   , L0000160   , L0000161   , L0000162
, L0000163   , L0000164   , L0000165   ,
                  L0000166   , L0000167   , L0000168   , L0000169   , L0000170
, L0000171   , L0000172   , . . .   ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                         ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        411078.80   3722895.26   256.76105 (13012117)   411098.80
3722895.26   276.52534 (13012117)
        411118.80   3722895.26   297.02508 (13012117)   411138.80
3722895.26   318.39138 (13012117)
        411158.80   3722895.26   341.26598 (13012117)   411178.80
3722895.26   366.11746 (13012117)

411198.80 3722895.26 392.83127 (13012117) 410498.80 3722915.26 103.64582 (14120317)
410518.80 3722915.26 106.17852 (14120317) 410538.80 3722915.26 109.04345 (14120317)
410558.80 3722915.26 111.86511 (14120317) 410578.80 3722915.26 114.74862 (14120317)
410598.80 3722915.26 117.59764 (14120317) 410618.80 3722915.26 120.81677 (14120317)
410638.80 3722915.26 123.97307 (14120317) 410658.80 3722915.26 127.16961 (14120317)
410678.80 3722915.26 130.30904 (14120317) 410698.80 3722915.26 133.92776 (14120317)
410718.80 3722915.26 137.51517 (14120317) 410738.80 3722915.26 141.17703 (14120317)
410758.80 3722915.26 144.94151 (14120317) 410778.80 3722915.26 148.84326 (14120317)
410798.80 3722915.26 152.89680 (14120317) 410818.80 3722915.26 157.10490 (14120317)
410838.80 3722915.26 161.32432 (14120317) 410858.80 3722915.26 166.24466 (14120317)
410878.80 3722915.26 171.44369 (14120317) 410898.80 3722915.26 176.73613 (14120317)
410918.80 3722915.26 182.49429 (14120317) 410938.80 3722915.26 188.75754 (14120317)
410958.80 3722915.26 195.44831 (14120317) 410978.80 3722915.26 202.28711 (14120317)
410998.80 3722915.26 209.43067 (14120317) 411018.80 3722915.26 218.17824 (14120317)
411038.80 3722915.26 227.30221 (14120317) 411058.80 3722915.26 237.21047 (13012117)
411078.80 3722915.26 255.50766 (13012117) 411098.80 3722915.26 274.65840 (13012117)
411118.80 3722915.26 293.87487 (13012117) 411138.80 3722915.26 313.85924 (13012117)
411158.80 3722915.26 335.23068 (13012117) 411178.80 3722915.26 357.27494 (13012117)
411198.80 3722915.26 382.37417 (13012117) 411218.80 3722915.26 410.83606 (13012117)
410498.80 3722935.26 103.34759 (14120317) 410518.80 3722935.26 105.73646 (14120317)
410538.80 3722935.26 108.48688 (14120317) 410558.80 3722935.26 111.15419 (14120317)
410578.80 3722935.26 113.84752 (14120317) 410598.80 3722935.26 116.47605 (14120317)
410618.80 3722935.26 119.51519 (14120317) 410638.80 3722935.26 122.48836 (14120317)
410658.80 3722935.26 125.46623 (14120317) 410678.80 3722935.26 128.37015 (14120317)
410698.80 3722935.26 131.81425 (14120317) 410718.80 3722935.26 135.19793 (14120317)

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        410738.80   3722935.26      138.63845  (14120317)                410758.80
3722935.26      142.08315  (14120317)
        410778.80   3722935.26      145.69567  (14120317)                410798.80
3722935.26      149.45044  (14120317)
        410818.80   3722935.26      153.25244  (14120317)                410838.80
3722935.26      157.54271  (14120317)
        410858.80   3722935.26      162.20480  (14120317)                410878.80
3722935.26      167.02958  (14120317)
        410898.80   3722935.26      172.04929  (14120317)                410918.80
3722935.26      177.48244  (14120317)
        410938.80   3722935.26      183.18675  (14120317)                410958.80
3722935.26      189.41281  (14120317)
        410978.80   3722935.26      195.86410  (14120317)                410998.80
3722935.26      202.53226  (14120317)
        411018.80   3722935.26      210.67044  (14120317)                411038.80
3722935.26      220.00207  (13012117)
        411058.80   3722935.26      236.35101  (13012117)                411078.80
3722935.26      253.46254  (13012117)
        411098.80   3722935.26      271.78384  (13012117)                411118.80
3722935.26      289.90133  (13012117)
        411138.80   3722935.26      308.87475  (13012117)                411158.80
3722935.26      328.98332  (13012117)
        411178.80   3722935.26      349.60978  (13012117)                411198.80
3722935.26      371.61058  (13012117)
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                         ***        16:48:31

                                    PAGE 523
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SRCGP2   ***
                                    INCLUDING SOURCE(S):     L0000145    , L0000146
, L0000147    , L0000148    , L0000149    ,
                  L0000150    , L0000151    , L0000152    , L0000153    , L0000154
, L0000155    , L0000156    , L0000157    ,
                  L0000158    , L0000159    , L0000160    , L0000161    , L0000162
, L0000163    , L0000164    , L0000165    ,
                  L0000166    , L0000167    , L0000168    , L0000169    , L0000170
, L0000171    , L0000172    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
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Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
        411218.80   3722935.26      397.55437  (13012117)                410498.80
3722955.26      102.63373  (14120317)
        410518.80   3722955.26      104.85878  (14120317)                410538.80
3722955.26      107.39863  (14120317)
        410558.80   3722955.26      109.94603  (14120317)                410578.80
3722955.26      112.43161  (14120317)
        410598.80   3722955.26      114.87500  (14120317)                410618.80
3722955.26      117.67840  (14120317)
        410638.80   3722955.26      120.47884  (14120317)                410658.80
3722955.26      123.23614  (14120317)
        410678.80   3722955.26      125.93565  (14120317)                410698.80
3722955.26      129.12632  (14120317)
        410718.80   3722955.26      132.29318  (14120317)                410738.80
3722955.26      135.49207  (14120317)
        410758.80   3722955.26      138.64113  (14120317)                410778.80
3722955.26      142.00066  (14120317)
        410798.80   3722955.26      145.39278  (14120317)                410818.80
3722955.26      148.92252  (14120317)
        410838.80   3722955.26      152.95369  (14120317)                410858.80
3722955.26      157.13489  (14120317)
        410878.80   3722955.26      161.56105  (14120317)                410898.80
3722955.26      166.20870  (14120317)
        410918.80   3722955.26      171.20211  (14120317)                410938.80
3722955.26      176.44394  (14120317)
        410958.80   3722955.26      182.15064  (14120317)                410978.80
3722955.26      188.18490  (14120317)
        410998.80   3722955.26      194.54205  (14120317)                411018.80
3722955.26      204.75866  (13012117)
        411038.80   3722955.26      220.17050  (13012117)                411058.80
3722955.26      235.28304  (13012117)
        411078.80   3722955.26      251.19062  (13012117)                411098.80
3722955.26      267.92005  (13012117)
        411118.80   3722955.26      284.87636  (13012117)                411138.80
3722955.26      302.49917  (13012117)
        411158.80   3722955.26      321.06255  (13012117)                411178.80
3722955.26      340.48662  (13012117)
        411198.80   3722955.26      361.31517  (13012117)                411218.80
3722955.26      385.17068  (13012117)
        410498.80   3722975.26      101.47817  (14120317)                410518.80
3722975.26      103.57267  (14120317)
        410538.80   3722975.26      105.91572  (14120317)                410558.80
3722975.26      108.28121  (14120317)
        410578.80   3722975.26      110.56931  (14120317)                410598.80
3722975.26      112.83778  (14120317)
        410618.80   3722975.26      115.42085  (14120317)                410638.80
3722975.26      118.01429  (14120317)
        410658.80   3722975.26      120.51770  (14120317)                410678.80
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3722975.26      123.03029  (14120317)
        410698.80   3722975.26      125.92724  (14120317)                410718.80
3722975.26      128.82214  (14120317)
        410738.80   3722975.26      131.74185  (14120317)                410758.80
3722975.26      134.65421  (14120317)
        410778.80   3722975.26      137.76065  (14120317)                410798.80
3722975.26      140.76724  (14120317)
        410818.80   3722975.26      144.12536  (14120317)                410838.80
3722975.26      147.70737  (14120317)
        410858.80   3722975.26      151.46270  (14120317)                410878.80
3722975.26      155.47351  (14120317)
        410898.80   3722975.26      159.75515  (14120317)                410918.80
3722975.26      164.25809  (14120317)
        410938.80   3722975.26      168.98123  (14120317)                410958.80
3722975.26      174.08830  (14120317)
        410978.80   3722975.26      179.52613  (14120317)                410998.80
3722975.26      190.35996  (13012117)
        411018.80   3722975.26      204.94937  (13012117)                411038.80
3722975.26      219.54441  (13012117)
        411058.80   3722975.26      233.84364  (13012117)                411078.80
3722975.26      248.74375  (13012117)
        411098.80   3722975.26      264.20432  (13012117)                411118.80
3722975.26      280.11224  (13012117)
        411138.80   3722975.26      296.50855  (13012117)                411158.80
3722975.26      313.72403  (13012117)
        411178.80   3722975.26      332.02762  (13012117)                411198.80
3722975.26      351.61148  (13012117)
        411218.80   3722975.26      373.93306  (13012117)                413054.78
3727884.09       12.59957  (16110817)
        413074.78   3727884.09       12.55051  (16110817)                413094.78
3727884.09       12.49244  (16110817)
        413114.78   3727884.09       12.42672  (16110817)                413134.78
3727884.09       12.35342  (16110817)
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                         ***        16:48:31

                                    PAGE 524
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SRCGP2   ***
                                    INCLUDING SOURCE(S):     L0000145    , L0000146
, L0000147    , L0000148    , L0000149    ,
                  L0000150    , L0000151    , L0000152    , L0000153    , L0000154
, L0000155    , L0000156    , L0000157    ,
                  L0000158    , L0000159    , L0000160    , L0000161    , L0000162
, L0000163    , L0000164    , L0000165    ,
                  L0000166    , L0000167    , L0000168    , L0000169    , L0000170
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, L0000171   , L0000172   , . . .   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10   IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
413154.78	3727884.09	12.27335	(16110817)	413174.78	3727884.09	12.24629	(14111817)
413194.78	3727884.09	12.26820	(14111817)	413214.78	3727884.09	12.28228	(14111817)
413234.78	3727884.09	12.28854	(14111817)	413254.78	3727884.09	12.28746	(14111817)
413274.78	3727884.09	12.27742	(14111817)	413294.78	3727884.09	12.25953	(14111817)
413314.78	3727884.09	12.41372	(14111817)	413334.78	3727884.09	12.38060	(14111817)
413354.78	3727884.09	12.27936	(14111817)	413374.78	3727884.09	15.77706	(14111817)
413394.78	3727884.09	16.74265	(14111817)	413414.78	3727884.09	19.62064	(15010617)
413434.78	3727884.09	19.54425	(15010617)	413454.78	3727884.09	19.85178	(15010617)
413474.78	3727884.09	20.17911	(15010617)	413494.78	3727884.09	20.26593	(15010617)
413514.78	3727884.09	19.99814	(15010617)	413534.78	3727884.09	20.22478	(15010617)
413554.78	3727884.09	20.58928	(15010617)	413574.78	3727884.09	20.53623	(15010617)
413594.78	3727884.09	20.10356	(15010617)	413614.78	3727884.09	20.26114	(15010617)
413634.78	3727884.09	20.56431	(15120817)	413654.78	3727884.09	20.74216	(15120817)
413674.78	3727884.09	20.64358	(15120817)	413694.78	3727884.09	20.89216	(15120817)
413714.78	3727884.09	21.15815	(15120817)	413734.78	3727884.09	21.23072	(15120817)
413054.78	3727904.09	12.54618	(16110817)	413074.78	3727904.09	12.50006	(16110817)
413094.78	3727904.09	12.44572	(16110817)	413114.78	3727904.09	12.38288	(16110817)
413134.78	3727904.09	12.31262	(16110817)	413154.78	3727904.09	12.23545	(16110817)
413174.78	3727904.09	12.16987	(14111817)	413194.78	3727904.09	12.19460	(14111817)

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        413214.78   3727904.09       12.21153  (14111817)                413234.78
3727904.09       12.22056  (14111817)
        413254.78   3727904.09       12.22230  (14111817)                413274.78
3727904.09       12.21585  (14111817)
        413294.78   3727904.09       12.20064  (14111817)                413314.78
3727904.09       12.35638  (14111817)
        413334.78   3727904.09       12.38950  (14111817)                413354.78
3727904.09       12.17008  (14111817)
        413374.78   3727904.09       15.46029  (14111817)                413394.78
3727904.09       16.57310  (14111817)
        413414.78   3727904.09       19.35820  (15010617)                413434.78
3727904.09       19.28508  (15010617)
        413454.78   3727904.09       19.63024  (15010617)                413474.78
3727904.09       19.95307  (15010617)
        413494.78   3727904.09       20.06506  (15010617)                413514.78
3727904.09       19.77133  (15010617)
        413534.78   3727904.09       20.06484  (15010617)                413554.78
3727904.09       20.39610  (15010617)
        413574.78   3727904.09       20.37589  (15010617)                413594.78
3727904.09       19.92371  (15010617)
        413614.78   3727904.09       20.11214  (15010617)                413634.78
3727904.09       20.31332  (15010617)
        413654.78   3727904.09       20.46632  (15120817)                413674.78
3727904.09       20.34324  (15120817)
        413694.78   3727904.09       20.59214  (15120817)                413714.78
3727904.09       20.90648  (15120817)
        413734.78   3727904.09       21.00388  (15120817)                413054.78
3727924.09       12.49266  (16110817)
        413074.78   3727924.09       12.44896  (16110817)                413094.78
3727924.09       12.39813  (16110817)
        413114.78   3727924.09       12.33849  (16110817)                413134.78
3727924.09       12.27136  (16110817)
        413154.78   3727924.09       12.19702  (16110817)                413174.78
3727924.09       12.11596  (16110817)
        413194.78   3727924.09       12.12084  (14111817)                413214.78
3727924.09       12.14011  (14111817)
        413234.78   3727924.09       12.15198  (14111817)                413254.78
3727924.09       12.15635  (14111817)
        413274.78   3727924.09       12.15352  (14111817)                413294.78
3727924.09       12.14130  (14111817)
        413314.78   3727924.09       12.12161  (14111817)                413334.78
3727924.09       12.27376  (14111817)
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                        ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        16:48:31

                                  PAGE 525
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SRCGP2 ***

INCLUDING SOURCE(S): L0000145 , L0000146 , L0000147 , L0000148 , L0000149 , L0000150 , L0000151 , L0000152 , L0000153 , L0000154 , L0000155 , L0000156 , L0000157 , L0000158 , L0000159 , L0000160 , L0000161 , L0000162 , L0000163 , L0000164 , L0000165 , L0000166 , L0000167 , L0000168 , L0000169 , L0000170 , L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
413354.78	3727924.09	12.06156	(14111817)	413374.78	3727924.09	12.86367	(14111817)
413394.78	3727924.09	16.51716	(14111817)	413414.78	3727924.09	19.28271	(16102717)
413434.78	3727924.09	19.08137	(15010617)	413454.78	3727924.09	19.41977	(15010617)
413474.78	3727924.09	19.74915	(15010617)	413494.78	3727924.09	19.78384	(15010617)
413514.78	3727924.09	19.54222	(15010617)	413534.78	3727924.09	19.82628	(15010617)
413554.78	3727924.09	20.20000	(15010617)	413574.78	3727924.09	20.17597	(15010617)
413594.78	3727924.09	19.74708	(15010617)	413614.78	3727924.09	19.92725	(15010617)
413634.78	3727924.09	20.13546	(15010617)	413654.78	3727924.09	20.15202	(15120817)
413674.78	3727924.09	20.04896	(15120817)	413694.78	3727924.09	20.32145	(15120817)
413714.78	3727924.09	20.61324	(15120817)	413734.78	3727924.09	20.74268	(15120817)
413054.78	3727944.09	12.44044	(16110817)	413074.78	3727944.09	12.39754	(16110817)
413094.78	3727944.09	12.34958	(16110817)	413114.78	3727944.09	12.29367	(16110817)
413134.78	3727944.09	12.22934	(16110817)	413154.78	3727944.09	12.15807	(16110817)
413174.78	3727944.09	12.07984	(16110817)	413194.78	3727944.09	12.04656	(14111817)
413214.78	3727944.09	12.06856	(14111817)	413234.78			

3727944.09 12.08316 (14111817)
413254.78 3727944.09 12.09048 (14111817) 413274.78
3727944.09 12.09045 (14111817)
413294.78 3727944.09 12.08193 (14111817) 413314.78
3727944.09 12.06531 (14111817)
413334.78 3727944.09 12.04165 (14111817) 413354.78
3727944.09 12.01100 (14111817)
413374.78 3727944.09 13.06192 (14111817) 413394.78
3727944.09 16.47823 (14111817)
413414.78 3727944.09 19.18034 (16102717) 413434.78
3727944.09 18.86473 (15010617)
413454.78 3727944.09 19.19011 (15010617) 413474.78
3727944.09 19.50841 (15010617)
413494.78 3727944.09 19.56722 (15010617) 413514.78
3727944.09 19.31805 (15010617)
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3727944.09 19.95236 (15010617)
413574.78 3727944.09 19.93535 (15010617) 413594.78
3727944.09 19.58097 (15010617)
413614.78 3727944.09 19.78419 (15010617) 413634.78
3727944.09 20.01522 (15010617)
413654.78 3727944.09 19.97198 (15010617) 413674.78
3727944.09 19.72903 (15120817)
413694.78 3727944.09 20.04092 (15120817) 413714.78
3727944.09 20.34101 (15120817)
413734.78 3727944.09 20.43885 (15120817) 413054.78
3727964.09 12.38401 (16110817)
413074.78 3727964.09 12.34614 (16110817) 413094.78
3727964.09 12.30038 (16110817)
413114.78 3727964.09 12.24796 (16110817) 413134.78
3727964.09 12.18678 (16110817)
413154.78 3727964.09 12.11840 (16110817) 413174.78
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413194.78 3727964.09 11.97153 (14111817) 413214.78
3727964.09 11.99709 (14111817)
413234.78 3727964.09 12.01446 (14111817) 413254.78
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413274.78 3727964.09 12.02664 (14111817) 413294.78
3727964.09 12.02061 (14111817)
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3727964.09 12.22422 (14111817)
413354.78 3727964.09 14.33050 (14111817) 413374.78
3727964.09 15.56349 (14111817)
413394.78 3727964.09 16.42315 (14111817) 413414.78
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413474.78 3727964.09 19.24228 (15010617) 413494.78
3727964.09 19.33679 (15010617)
413514.78 3727964.09 19.07953 (15010617) 413534.78

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2   ***
                                   INCLUDING SOURCE(S):   L0000145   , L0000146
, L0000147   , L0000148   , L0000149   ,
                  L0000150   , L0000151   , L0000152   , L0000153   , L0000154
, L0000155   , L0000156   , L0000157   ,
                  L0000158   , L0000159   , L0000160   , L0000161   , L0000162
, L0000163   , L0000164   , L0000165   ,
                  L0000166   , L0000167   , L0000168   , L0000169   , L0000170
, L0000171   , L0000172   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        413554.78   3727964.09   19.73195 (15010617)   413574.78
3727964.09   19.77252 (15010617)
        413594.78   3727964.09   19.43257 (15010617)   413614.78
3727964.09   19.62496 (15010617)
        413634.78   3727964.09   19.81053 (15010617)   413654.78
3727964.09   19.76417 (15010617)
        413674.78   3727964.09   19.47199 (15010617)   413694.78
3727964.09   19.75066 (15120817)
        413714.78   3727964.09   20.12962 (15120817)   413734.78
3727964.09   20.18001 (15120817)
        413054.78   3727984.09   12.33065 (16110817)   413074.78
3727984.09   12.29584 (16110817)
        413094.78   3727984.09   12.25092 (16110817)   413114.78
3727984.09   12.20122 (16110817)
        413134.78   3727984.09   12.14389 (16110817)   413154.78
3727984.09   12.07815 (16110817)
        413174.78   3727984.09   12.00590 (16110817)   413194.78
3727984.09   11.92667 (16110817)
        413214.78   3727984.09   11.92486 (14111817)   413234.78
3727984.09   11.94502 (14111817)

413254.78 3727984.09 11.95725 (14111817) 413274.78
3727984.09 11.96178 (14111817)
413294.78 3727984.09 13.10754 (14111817) 413314.78
3727984.09 16.66100 (14111817)
413334.78 3727984.09 17.29611 (14111817) 413354.78
3727984.09 17.71307 (14111817)
413374.78 3727984.09 17.88129 (14111817) 413394.78
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3727984.09 19.91632 (15120817)
413734.78 3727984.09 19.98309 (15120817) 413114.78
3728004.09 12.15405 (16110817)
413134.78 3728004.09 12.10002 (16110817) 413154.78
3728004.09 12.03754 (16110817)
413174.78 3728004.09 11.96804 (16110817) 413194.78
3728004.09 11.89173 (16110817)
413214.78 3728004.09 11.85188 (14111817) 413234.78
3728004.09 11.87489 (14111817)
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413294.78 3728004.09 18.16268 (14010217) 413314.78
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3728004.09 18.68062 (15010617)
413494.78 3728004.09 18.77124 (15010617) 413514.78
3728004.09 18.60729 (15010617)
413534.78 3728004.09 18.85947 (15010617) 413554.78
3728004.09 19.18657 (15010617)
413574.78 3728004.09 19.37646 (15010617) 413594.78
3728004.09 19.06820 (15010617)

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        413614.78   3728004.09       19.29769  (15010617)                413634.78
3728004.09       19.52860  (15010617)
        413654.78   3728004.09       19.40340  (15010617)                413674.78
3728004.09       19.13605  (15010617)
        413694.78   3728004.09       19.14993  (15010617)                413714.78
3728004.09       19.43164  (15120817)
        413734.78   3728004.09       19.67990  (15120817)                413114.78
3728024.09       12.10647  (16110817)
        413134.78   3728024.09       12.05518  (16110817)                413154.78
3728024.09       11.99643  (16110817)
↑ *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                         ***       05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***       16:48:31

                                  PAGE 527
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SRCGP2   ***
                                  INCLUDING SOURCE(S):     L0000145    , L0000146
, L0000147    , L0000148    , L0000149    ,
                 L0000150    , L0000151    , L0000152    , L0000153    , L0000154
, L0000155    , L0000156    , L0000157    ,
                 L0000158    , L0000159    , L0000160    , L0000161    , L0000162
, L0000163    , L0000164    , L0000165    ,
                 L0000166    , L0000167    , L0000168    , L0000169    , L0000170
, L0000171    , L0000172    ,  . . .      ,

                                                 *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                            ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
        413174.78   3728024.09       11.92946  (16110817)                413194.78
3728024.09       11.85624  (16110817)
        413214.78   3728024.09       11.77856  (14111817)                413234.78
3728024.09       11.80456  (14111817)
        413254.78   3728024.09       11.82184  (14111817)                413274.78
3728024.09       11.83136  (14111817)
        413294.78   3728024.09       18.11011  (14010217)                413314.78
3728024.09       17.02678  (14010217)
        413334.78   3728024.09       16.93668  (14010217)                413354.78
3728024.09       17.52586  (14010217)
        413374.78   3728024.09       17.69752  (14010217)                413394.78
```

3728024.09 17.83606 (14111817)
413414.78 3728024.09 17.97734 (14111817) 413434.78
3728024.09 18.04034 (14111817)
413454.78 3728024.09 18.23630 (15010617) 413474.78
3728024.09 18.54578 (15010617)
413494.78 3728024.09 18.59417 (15010617) 413514.78
3728024.09 18.40668 (15010617)
413534.78 3728024.09 18.70963 (15010617) 413554.78
3728024.09 19.06750 (15010617)
413574.78 3728024.09 19.28266 (15010617) 413594.78
3728024.09 18.89999 (15010617)
413614.78 3728024.09 19.08352 (15010617) 413634.78
3728024.09 19.30603 (15010617)
413654.78 3728024.09 19.22012 (15010617) 413674.78
3728024.09 18.94601 (15010617)
413694.78 3728024.09 18.98937 (15010617) 413714.78
3728024.09 19.16794 (15120817)
413734.78 3728024.09 19.44732 (15120817) 413114.78
3728044.09 12.05902 (16110817)
413134.78 3728044.09 12.00972 (16110817) 413154.78
3728044.09 11.95427 (16110817)
413174.78 3728044.09 11.89051 (16110817) 413194.78
3728044.09 11.82005 (16110817)
413214.78 3728044.09 11.74292 (16110817) 413234.78
3728044.09 11.73366 (14111817)
413254.78 3728044.09 11.75373 (14111817) 413274.78
3728044.09 11.76576 (14111817)
413294.78 3728044.09 18.01258 (14010217) 413314.78
3728044.09 16.69719 (14010217)
413334.78 3728044.09 17.70130 (14010217) 413354.78
3728044.09 18.01102 (14010217)
413374.78 3728044.09 18.07143 (14010217) 413394.78
3728044.09 18.10885 (14010217)
413414.78 3728044.09 18.37321 (16102717) 413434.78
3728044.09 18.01971 (14111817)
413454.78 3728044.09 18.01790 (15010617) 413474.78
3728044.09 18.33692 (15010617)
413494.78 3728044.09 18.39136 (15010617) 413514.78
3728044.09 18.19911 (15010617)
413534.78 3728044.09 18.51291 (15010617) 413554.78
3728044.09 18.85036 (15010617)
413574.78 3728044.09 19.05418 (15010617) 413594.78
3728044.09 18.66296 (15010617)
413614.78 3728044.09 18.89383 (15010617) 413634.78
3728044.09 19.13155 (15010617)
413654.78 3728044.09 19.02005 (15010617) 413674.78
3728044.09 18.73944 (15010617)
413694.78 3728044.09 18.80531 (15010617) 413714.78
3728044.09 18.95165 (15010617)
413734.78 3728044.09 19.14019 (15120817) 413134.78

3728064.09   11.96389 (16110817)
        413154.78   3728064.09   11.91102 (16110817)   413174.78
3728064.09   11.85108 (16110817)
        413194.78   3728064.09   11.78331 (16110817)   413214.78
3728064.09   11.70895 (16110817)
        413234.78   3728064.09   11.66252 (14111817)   413254.78
3728064.09   11.68509 (14111817)
        413274.78   3728064.09   11.69982 (14111817)   413294.78
3728064.09   17.89902 (14010217)
        413314.78   3728064.09   16.47193 (14010217)   413334.78
3728064.09   17.64443 (14010217)
        413354.78   3728064.09   17.86658 (14010217)   413374.78
3728064.09   17.96627 (14010217)
        413394.78   3728064.09   17.94537 (14010217)   413414.78
3728064.09   18.38613 (16102717)
        413434.78   3728064.09   17.91354 (14111817)   413454.78
3728064.09   17.89908 (14111817)
        413474.78   3728064.09   18.12793 (15010617)   413494.78
3728064.09   18.17589 (15010617)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2   ***
                                   INCLUDING SOURCE(S):   L0000145   , L0000146
, L0000147   , L0000148   , L0000149   ,
                 L0000150   , L0000151   , L0000152   , L0000153   , L0000154
, L0000155   , L0000156   , L0000157   ,
                 L0000158   , L0000159   , L0000160   , L0000161   , L0000162
, L0000163   , L0000164   , L0000165   ,
                 L0000166   , L0000167   , L0000168   , L0000169   , L0000170
, L0000171   , L0000172   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        413514.78   3728064.09   18.00414 (15010617)   413534.78
3728064.09   18.29618 (15010617)

413554.78 3728064.09 18.64486 (15010617) 413574.78
3728064.09 18.77824 (15010617)
413594.78 3728064.09 18.45834 (15010617) 413614.78
3728064.09 18.70233 (15010617)
413634.78 3728064.09 18.68815 (15010617) 413654.78
3728064.09 18.52667 (15010617)
413674.78 3728064.09 18.45515 (15010617) 413694.78
3728064.09 18.48921 (15010617)
413714.78 3728064.09 18.53272 (15010617) 413734.78
3728064.09 18.54459 (15010617)
413134.78 3728084.09 11.91874 (16110817) 413154.78
3728084.09 11.86718 (16110817)
413174.78 3728084.09 11.81064 (16110817) 413194.78
3728084.09 11.74603 (16110817)
413214.78 3728084.09 11.67414 (16110817) 413234.78
3728084.09 11.59660 (16110817)
413254.78 3728084.09 11.61611 (14111817) 413274.78
3728084.09 11.74481 (14111817)
413294.78 3728084.09 17.70676 (14010217) 413314.78
3728084.09 16.30725 (14010217)
413334.78 3728084.09 16.79130 (14010217) 413354.78
3728084.09 17.57751 (14010217)
413374.78 3728084.09 17.71759 (14010217) 413394.78
3728084.09 17.81226 (14010217)
413414.78 3728084.09 18.27432 (16102717) 413434.78
3728084.09 17.82172 (14111817)
413454.78 3728084.09 17.79291 (14111817) 413474.78
3728084.09 17.90710 (15010617)
413494.78 3728084.09 18.00318 (15010617) 413514.78
3728084.09 17.82154 (15010617)
413534.78 3728084.09 18.09198 (15010617) 413554.78
3728084.09 18.44484 (15010617)
413574.78 3728084.09 18.59714 (15010617) 413594.78
3728084.09 18.31262 (15010617)
413614.78 3728084.09 18.12613 (15010617) 413634.78
3728084.09 18.16384 (15010617)
413654.78 3728084.09 18.35529 (15010617) 413674.78
3728084.09 18.35282 (15010617)
413694.78 3728084.09 18.45546 (15010617) 413714.78
3728084.09 18.60679 (15010617)
413734.78 3728084.09 18.53903 (15010617) 413134.78
3728104.09 11.87393 (16110817)
413154.78 3728104.09 11.82336 (16110817) 413174.78
3728104.09 11.76923 (16110817)
413194.78 3728104.09 11.70815 (16110817) 413214.78
3728104.09 11.63923 (16110817)
413234.78 3728104.09 11.56428 (16110817) 413254.78
3728104.09 11.54678 (14111817)
413274.78 3728104.09 11.73541 (14111817) 413294.78
3728104.09 17.52070 (14010217)

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2   ***
                                    INCLUDING SOURCE(S):   L0000145   , L0000146
, L0000147   , L0000148   , L0000149   ,
                   L0000150   , L0000151   , L0000152   , L0000153   , L0000154
, L0000155   , L0000156   , L0000157   ,
                   L0000158   , L0000159   , L0000160   , L0000161   , L0000162
, L0000163   , L0000164   , L0000165   ,
                   L0000166   , L0000167   , L0000168   , L0000169   , L0000170
, L0000171   , L0000172   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

        413314.78   3728104.09   16.12440 (14010217)   413334.78
3728104.09   16.03903 (14010217)
        413354.78   3728104.09   16.55917 (14010217)   413374.78
3728104.09   17.56010 (14010217)
        413394.78   3728104.09   17.77126 (14010217)   413414.78
3728104.09   18.13456 (16102717)
        413434.78   3728104.09   17.68318 (14111817)   413454.78
3728104.09   17.66226 (14111817)
        413474.78   3728104.09   17.69991 (14111817)   413494.78
3728104.09   17.78153 (15010617)
        413514.78   3728104.09   17.62592 (15010617)   413534.78
3728104.09   17.90016 (15010617)
        413554.78   3728104.09   18.21871 (15010617)   413574.78
3728104.09   18.31222 (15010617)
        413594.78   3728104.09   18.19170 (15010617)   413614.78
3728104.09   17.89264 (15010617)
        413634.78   3728104.09   18.20075 (15010617)   413654.78
3728104.09   18.51796 (15010617)
        413674.78   3728104.09   18.25480 (15010617)   413694.78
3728104.09   18.36457 (15010617)
        413714.78   3728104.09   18.53645 (15010617)   413734.78
3728104.09   18.26313 (15010617)
        413174.78   3728124.09   11.72736 (16110817)   413194.78
3728124.09   11.66921 (16110817)
        413214.78   3728124.09   11.60365 (16110817)   413234.78
3728124.09   11.53062 (16110817)
        413254.78   3728124.09   11.47710 (14111817)   413274.78
3728124.09   11.95089 (14111817)

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
413294.78	3728124.09	16.76533	(14010217)	413314.78	3728124.09	15.81949	(14010217)
413334.78	3728124.09	16.67298	(14010217)	413354.78	3728124.09	17.50854	(14010217)
413374.78	3728124.09	17.71245	(14010217)	413394.78	3728124.09	17.72127	(14010217)
413414.78	3728124.09	17.92829	(14010217)	413434.78	3728124.09	17.55364	(14111817)
413454.78	3728124.09	17.53469	(14111817)	413474.78	3728124.09	17.55341	(14111817)
413494.78	3728124.09	17.60810	(15010617)	413514.78	3728124.09	17.43643	(15010617)
413534.78	3728124.09	17.68281	(15010617)	413554.78	3728124.09	17.96071	(15010617)
413574.78	3728124.09	17.91712	(15010617)	413594.78	3728124.09	17.61251	(15010617)
413614.78	3728124.09	17.83335	(15010617)	413634.78	3728124.09	18.29189	(15010617)
413654.78	3728124.09	18.21559	(15010617)	413674.78	3728124.09	17.93084	(15010617)
413694.78	3728124.09	18.05525	(15010617)	413714.78	3728124.09	18.24323	(15010617)
413734.78	3728124.09	18.03055	(15010617)	413174.78	3728144.09	11.68508	(16110817)
413194.78	3728144.09	11.62934	(16110817)	413214.78	3728144.09	11.56694	(16110817)
413234.78	3728144.09	11.49659	(16110817)	413254.78	3728144.09	11.41997	(16110817)
413274.78	3728144.09	14.55465	(14010217)	413294.78	3728144.09	16.05672	(14010217)
413314.78	3728144.09	15.24185	(14010217)	413334.78	3728144.09	16.06356	(14010217)
413354.78	3728144.09	17.31214	(14010217)	413374.78	3728144.09	17.36891	(14010217)
413394.78	3728144.09	17.36060	(14010217)	413414.78	3728144.09	17.81768	(14010217)
413434.78	3728144.09	17.41652	(14111817)	413454.78	3728144.09	17.39379	(14111817)
413474.78	3728144.09	17.42046	(14111817)	413494.78	3728144.09	17.36983	(14111817)
413514.78	3728144.09	17.23451	(15010617)	413534.78	3728144.09	17.49684	(15010617)
413554.78	3728144.09	17.78477	(15010617)	413574.78			

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3728144.09       17.39055  (15010617)
        413594.78   3728144.09       17.42005  (15010617)                413614.78
3728144.09       17.92935  (15010617)
        413634.78   3728144.09       18.12748  (15010617)                413654.78
3728144.09       17.90481  (15010617)
        413674.78   3728144.09       17.52623  (15010617)                413694.78
3728144.09       17.61626  (15010617)
        413714.78   3728144.09       17.93987  (15010617)                413734.78
3728144.09       17.80184  (15010617)
        413174.78   3728164.09       11.64389  (16110817)                413194.78
3728164.09       11.58925  (16110817)
        413214.78   3728164.09       11.52954  (16110817)                413234.78
3728164.09       11.46260  (16110817)
        413254.78   3728164.09       11.38825  (16110817)                413274.78
3728164.09       14.96635  (14010217)
        413294.78   3728164.09       15.89313  (14010217)                413314.78
3728164.09       14.54443  (14111817)
        413334.78   3728164.09       15.63916  (14010217)                413354.78
3728164.09       15.84098  (14010217)
        413374.78   3728164.09       16.71730  (14010217)                413394.78
3728164.09       17.08231  (14010217)
        413414.78   3728164.09       17.68450  (14010217)                413434.78
3728164.09       17.30029  (14010217)
        413454.78   3728164.09       17.25072  (14111817)                413474.78
3728164.09       17.28506  (14111817)
        413494.78   3728164.09       17.29083  (14111817)                413514.78
3728164.09       17.04503  (15010617)
        413534.78   3728164.09       17.18671  (15010617)                413554.78
3728164.09       17.33236  (15010617)
        413574.78   3728164.09       17.13444  (15010617)                413594.78
3728164.09       17.58563  (15010617)
        413614.78   3728164.09       17.79722  (15010617)                413634.78
3728164.09       17.85017  (15010617)
        413654.78   3728164.09       17.63980  (15010617)                413674.78
3728164.09       17.23030  (15010617)
        413694.78   3728164.09       17.37916  (15010617)                413714.78
3728164.09       17.56794  (15010617)
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                          ***        16:48:31

                                    PAGE 530
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SRCGP2   ***
                                    INCLUDING SOURCE(S):     L0000145    , L0000146
, L0000147    , L0000148    , L0000149    ,
                 L0000150    , L0000151    , L0000152    , L0000153    , L0000154
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, L0000155    , L0000156    , L0000157    ,
                L0000158    , L0000159    , L0000160    , L0000161    , L0000162
, L0000163    , L0000164    , L0000165    ,
                L0000166    , L0000167    , L0000168    , L0000169    , L0000170
, L0000171    , L0000172    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                      ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)             X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        413734.78   3728164.09       17.67904  (15010617)               413174.78
3728184.09       11.60140  (16110817)
        413194.78   3728184.09       11.54884  (16110817)               413214.78
3728184.09       11.49118  (16110817)
        413234.78   3728184.09       11.42755  (16110817)               413254.78
3728184.09       11.35583  (16110817)
        413274.78   3728184.09       14.81360  (14010217)               413294.78
3728184.09       15.02936  (14010217)
        413314.78   3728184.09       12.25439  (14111817)               413334.78
3728184.09       14.61247  (14111817)
        413354.78   3728184.09       15.38403  (14111817)               413374.78
3728184.09       16.25737  (14010217)
        413394.78   3728184.09       17.14156  (14010217)               413414.78
3728184.09       17.51530  (14010217)
        413434.78   3728184.09       17.10872  (14010217)               413454.78
3728184.09       17.12789  (14111817)
        413474.78   3728184.09       17.16385  (14111817)               413494.78
3728184.09       17.18254  (14111817)
        413514.78   3728184.09       16.99377  (15010617)               413534.78
3728184.09       16.63627  (15010617)
        413554.78   3728184.09       16.75559  (15010617)               413574.78
3728184.09       17.16448  (15010617)
        413594.78   3728184.09       17.55588  (15010617)               413614.78
3728184.09       17.48839  (15010617)
        413634.78   3728184.09       17.38099  (15010617)               413654.78
3728184.09       17.36236  (15010617)
        413674.78   3728184.09       16.64766  (15010617)               413694.78
3728184.09       17.14914  (15010617)
        413714.78   3728184.09       17.44338  (15010617)               413734.78
3728184.09       17.48851  (15010617)
        413174.78   3728204.09       11.55778  (16110817)               413194.78
3728204.09       11.50961  (16110817)
        413214.78   3728204.09       11.45227  (16110817)               413234.78
3728204.09       11.39103  (16110817)
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        413254.78   3728204.09       11.32310  (16110817)                413274.78
3728204.09       13.76117  (14111817)
        413294.78   3728204.09       11.74863  (14111817)                413314.78
3728204.09       13.55915  (14111817)
        413334.78   3728204.09       15.85807  (14010217)                413354.78
3728204.09       16.19184  (14010217)
        413374.78   3728204.09       16.78281  (14010217)                413394.78
3728204.09       17.06311  (14010217)
        413414.78   3728204.09       17.39008  (14010217)                413434.78
3728204.09       17.00420  (14010217)
        413454.78   3728204.09       16.94344  (14111817)                413474.78
3728204.09       17.02405  (14111817)
        413494.78   3728204.09       16.92488  (14111817)                413514.78
3728204.09       16.74263  (14111817)
        413534.78   3728204.09       16.16228  (15010617)                413554.78
3728204.09       16.80168  (15010617)
        413574.78   3728204.09       17.28028  (15010617)                413594.78
3728204.09       17.26255  (15010617)
        413614.78   3728204.09       17.08942  (15010617)                413634.78
3728204.09       17.15738  (15010617)
        413654.78   3728204.09       17.21014  (15010617)                413674.78
3728204.09       16.31561  (15010617)
        413694.78   3728204.09       16.81438  (15010617)                413714.78
3728204.09       17.21668  (15010617)
        413734.78   3728204.09       17.07541  (15010617)                413234.78
3728224.09       11.50891  (16110817)
        413254.78   3728224.09       11.28964  (16110817)                413274.78
3728224.09       11.21816  (16110817)
        413294.78   3728224.09       11.67994  (14111817)                413314.78
3728224.09       14.63106  (14010217)
        413334.78   3728224.09       15.69763  (14010217)                413354.78
3728224.09       16.20517  (14010217)
        413374.78   3728224.09       16.24398  (14010217)                413394.78
3728224.09       16.47491  (14010217)
        413414.78   3728224.09       17.28271  (14010217)                413434.78
3728224.09       16.83761  (14010217)
        413454.78   3728224.09       16.77373  (14111817)                413474.78
3728224.09       16.75741  (14111817)
        413494.78   3728224.09       16.72073  (14111817)                413514.78
3728224.09       15.94820  (14111817)
        413534.78   3728224.09       16.12852  (14111817)                413554.78
3728224.09       16.89979  (15010617)
        413574.78   3728224.09       17.07109  (15010617)                413594.78
3728224.09       16.91859  (15010617)
        413614.78   3728224.09       15.98955  (15010617)                413634.78
3728224.09       16.28360  (15010617)
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                        ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        16:48:31
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SRCGP2 ***
INCLUDING SOURCE(S): L0000145 , L0000146 , L0000147 , L0000148 , L0000149 ,
L0000150 , L0000151 , L0000152 , L0000153 , L0000154 , L0000155 , L0000156 , L0000157 ,
L0000158 , L0000159 , L0000160 , L0000161 , L0000162 , L0000163 , L0000164 , L0000165 ,
L0000166 , L0000167 , L0000168 , L0000169 , L0000170 , L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
413654.78	3728224.09	17.03711	(15010617)	413674.78	3728224.09	16.03603	(15010617)
413694.78	3728224.09	15.74148	(15010617)	413714.78	3728224.09	16.08069	(15010617)
413734.78	3728224.09	16.71295	(15010617)	413234.78	3728244.09	11.36827	(16110817)
413254.78	3728244.09	11.56513	(16110817)	413274.78	3728244.09	11.33713	(16110817)
413294.78	3728244.09	11.95110	(14111817)	413314.78	3728244.09	14.81848	(14010217)
413334.78	3728244.09	15.72571	(14010217)	413354.78	3728244.09	15.60380	(14010217)
413374.78	3728244.09	15.75145	(14010217)	413394.78	3728244.09	16.11815	(14010217)
413414.78	3728244.09	17.09646	(14010217)	413434.78	3728244.09	16.82821	(14010217)
413454.78	3728244.09	16.49064	(14111817)	413474.78	3728244.09	16.10110	(14111817)
413494.78	3728244.09	15.55860	(14111817)	413514.78	3728244.09	15.64175	(14111817)
413534.78	3728244.09	16.52899	(14111817)	413554.78	3728244.09	16.77176	(15010617)
413574.78	3728244.09	16.65740	(15010617)	413594.78	3728244.09	16.57336	(15010617)
413614.78	3728244.09	15.56083	(15010617)	413634.78			

3728244.09 16.72378 (15010617)
413654.78 3728244.09 16.81879 (15010617) 413674.78
3728244.09 15.63795 (15010617)
413694.78 3728244.09 15.97563 (15010617) 413714.78
3728244.09 17.05177 (15010617)
413734.78 3728244.09 17.14273 (15010617) 413234.78
3728264.09 11.28318 (16110817)
413254.78 3728264.09 12.37740 (16110817) 413274.78
3728264.09 12.09222 (16110817)
413294.78 3728264.09 11.48743 (14111817) 413314.78
3728264.09 14.05247 (14111817)
413334.78 3728264.09 15.55216 (14010217) 413354.78
3728264.09 15.03110 (14010217)
413374.78 3728264.09 15.41127 (14010217) 413394.78
3728264.09 15.97332 (14010217)
413414.78 3728264.09 17.17603 (14010217) 413434.78
3728264.09 16.90932 (14010217)
413454.78 3728264.09 16.78566 (14010217) 413474.78
3728264.09 16.04065 (14111817)
413494.78 3728264.09 15.36331 (14111817) 413514.78
3728264.09 16.44110 (14111817)
413534.78 3728264.09 16.52705 (14111817) 413554.78
3728264.09 16.38374 (15010617)
413574.78 3728264.09 16.32997 (15010617) 413594.78
3728264.09 15.26061 (15010617)
413614.78 3728264.09 16.53210 (15010617) 413634.78
3728264.09 16.81110 (15010617)
413654.78 3728264.09 16.58799 (15010617) 413674.78
3728264.09 15.41011 (15010617)
413694.78 3728264.09 15.57622 (15010617) 413714.78
3728264.09 16.62823 (15010617)
413734.78 3728264.09 15.93109 (15010617) 413234.78
3728284.09 11.24559 (16110817)
413254.78 3728284.09 11.18730 (16110817) 413274.78
3728284.09 14.40779 (14010217)
413294.78 3728284.09 14.34958 (14010217) 413314.78
3728284.09 12.72627 (14111817)
413334.78 3728284.09 14.06359 (14111817) 413354.78
3728284.09 14.64363 (14010217)
413374.78 3728284.09 15.87635 (14010217) 413394.78
3728284.09 16.38901 (14010217)
413414.78 3728284.09 16.68643 (14010217) 413434.78
3728284.09 16.47315 (14010217)
413454.78 3728284.09 16.30091 (14010217) 413474.78
3728284.09 15.08431 (14111817)
413494.78 3728284.09 15.38079 (14111817) 413514.78
3728284.09 16.27471 (14111817)
413534.78 3728284.09 16.22350 (14111817) 413554.78
3728284.09 16.11138 (14111817)
413574.78 3728284.09 15.14511 (15010617) 413594.78

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2   ***
                                   INCLUDING SOURCE(S):   L0000145   , L0000146
, L0000147   , L0000148   , L0000149   ,
                L0000150   , L0000151   , L0000152   , L0000153   , L0000154
, L0000155   , L0000156   , L0000157   ,
                L0000158   , L0000159   , L0000160   , L0000161   , L0000162
, L0000163   , L0000164   , L0000165   ,
                L0000166   , L0000167   , L0000168   , L0000169   , L0000170
, L0000171   , L0000172   , . . .   ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                         ** CONC OF PM_10   IN MICROGRAMS/M**3
                **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        413694.78   3728284.09   15.13908 (15010617)   413714.78
3728284.09   15.37701 (15010617)
        413734.78   3728284.09   15.17425 (15010617)   413254.78
3728304.09   11.15250 (16110817)
        413274.78   3728304.09   11.09117 (16110817)   413294.78
3728304.09   14.44268 (14010217)
        413314.78   3728304.09   15.03271 (14010217)   413334.78
3728304.09   14.85007 (14010217)
        413354.78   3728304.09   14.58618 (14010217)   413374.78
3728304.09   15.12204 (14010217)
        413394.78   3728304.09   15.40776 (14010217)   413414.78
3728304.09   15.70622 (14010217)
        413434.78   3728304.09   15.48897 (14111817)   413454.78
3728304.09   15.32929 (14111817)
        413474.78   3728304.09   14.80341 (14111817)   413494.78
3728304.09   15.14109 (14111817)

413514.78 3728304.09 15.33882 (14111817) 413534.78
3728304.09 15.40515 (14111817)
413554.78 3728304.09 15.33000 (14111817) 413574.78
3728304.09 14.85706 (14111817)
413594.78 3728304.09 15.33772 (15010617) 413614.78
3728304.09 15.82396 (15010617)
413634.78 3728304.09 15.37873 (15010617) 413654.78
3728304.09 15.26905 (15010617)
413674.78 3728304.09 14.99858 (15010617) 413694.78
3728304.09 14.57102 (15010617)
413714.78 3728304.09 14.51319 (15010617) 413734.78
3728304.09 14.61340 (15010617)
413254.78 3728324.09 11.56990 (16110817) 413274.78
3728324.09 11.05734 (16110817)
413294.78 3728324.09 10.99404 (16110817) 413314.78
3728324.09 11.36291 (14111817)
413334.78 3728324.09 15.44034 (14010217) 413354.78
3728324.09 15.77134 (14010217)
413374.78 3728324.09 15.40077 (14010217) 413394.78
3728324.09 15.26416 (14010217)
413414.78 3728324.09 15.06367 (14111817) 413434.78
3728324.09 14.91816 (14111817)
413454.78 3728324.09 14.70224 (14111817) 413474.78
3728324.09 14.46086 (14111817)
413494.78 3728324.09 14.42294 (14111817) 413514.78
3728324.09 14.72006 (14111817)
413534.78 3728324.09 14.81470 (14111817) 413554.78
3728324.09 14.88153 (14111817)
413574.78 3728324.09 14.83705 (14111817) 413594.78
3728324.09 14.83242 (15010617)
413614.78 3728324.09 14.90788 (15010617) 413634.78
3728324.09 14.96583 (15010617)
413654.78 3728324.09 15.04190 (15010617) 413674.78
3728324.09 15.12677 (15010617)
413694.78 3728324.09 15.15826 (15010617) 413714.78
3728324.09 15.30384 (15010617)
413734.78 3728324.09 15.33760 (15010617) 413254.78
3728344.09 11.92396 (16110817)
413274.78 3728344.09 11.90784 (16110817) 413294.78
3728344.09 10.95934 (16110817)
413314.78 3728344.09 10.89455 (16110817) 413334.78
3728344.09 10.85261 (14111817)
413354.78 3728344.09 11.35280 (14111817) 413374.78
3728344.09 15.23970 (14010217)
413394.78 3728344.09 15.55558 (14010217) 413414.78
3728344.09 15.59885 (14010217)
413434.78 3728344.09 15.36683 (14010217) 413454.78
3728344.09 15.18393 (14111817)
413474.78 3728344.09 14.20667 (14111817) 413494.78
3728344.09 14.57826 (14111817)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2   ***
                                   INCLUDING SOURCE(S):   L0000145   , L0000146
, L0000147   , L0000148   , L0000149   ,
                  L0000150   , L0000151   , L0000152   , L0000153   , L0000154
, L0000155   , L0000156   , L0000157   ,
                  L0000158   , L0000159   , L0000160   , L0000161   , L0000162
, L0000163   , L0000164   , L0000165   ,
                  L0000166   , L0000167   , L0000168   , L0000169   , L0000170
, L0000171   , L0000172   , . . .   ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                         ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        413294.78   3728364.09   11.07505 (16110817)   413314.78
3728364.09   11.15870 (16110817)
        413334.78   3728364.09   10.79138 (16110817)   413354.78
3728364.09   10.81344 (14111817)
        413374.78   3728364.09   10.83175 (14111817)   413394.78
3728364.09   10.84304 (14111817)
        413414.78   3728364.09   10.84754 (14111817)   413434.78

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3728364.09       10.84612  (14111817)
        413454.78   3728364.09       10.83932  (14111817)                413474.78
3728364.09       10.98594  (14111817)
        413494.78   3728364.09       11.02351  (14111817)                413514.78
3728364.09       10.78363  (14111817)
        413534.78   3728364.09       10.75311  (14111817)                413554.78
3728364.09       10.71681  (14111817)
        413574.78   3728364.09       10.67478  (14111817)                413594.78
3728364.09       10.62707  (14111817)
        413614.78   3728364.09       10.58367  (13112817)                413634.78
3728364.09       10.55735  (13112817)
        413654.78   3728364.09       10.52549  (13112817)                413674.78
3728364.09       10.48828  (13112817)
        413694.78   3728364.09       10.44555  (13112817)                413714.78
3728364.09       10.39738  (13112817)
        413734.78   3728364.09       10.34288  (13112817)                413254.78
3728384.09       12.25539  (16110817)
        413274.78   3728384.09       11.72855  (16110817)                413294.78
3728384.09       11.04187  (16110817)
        413314.78   3728384.09       11.12811  (16110817)                413334.78
3728384.09       12.98346  (14111817)
        413354.78   3728384.09       12.75006  (14111817)                413374.78
3728384.09       10.98240  (14111817)
        413394.78   3728384.09       10.78334  (14111817)                413414.78
3728384.09       10.79206  (14111817)
        413434.78   3728384.09       10.79422  (14111817)                413454.78
3728384.09       10.78991  (14111817)
        413474.78   3728384.09       10.77790  (14111817)                413494.78
3728384.09       10.92011  (14111817)
        413514.78   3728384.09       10.74050  (14111817)                413534.78
3728384.09       10.71211  (14111817)
        413554.78   3728384.09       10.67783  (14111817)                413574.78
3728384.09       10.63782  (14111817)
        413594.78   3728384.09       10.59227  (14111817)                413614.78
3728384.09       10.54117  (14111817)
        413634.78   3728384.09       10.51383  (13112817)                413654.78
3728384.09       10.63685  (13112817)
        413674.78   3728384.09       10.90711  (13112817)                413694.78
3728384.09       13.03065  (15010617)
        413714.78   3728384.09       13.91909  (15010617)                413734.78
3728384.09       13.96018  (15010617)
        413254.78   3728404.09       14.74898  (16110817)                413274.78
3728404.09       12.51552  (16110817)
        413294.78   3728404.09       11.57211  (16110817)                413314.78
3728404.09       10.94662  (16110817)
        413334.78   3728404.09       12.30264  (14111817)                413354.78
3728404.09       13.10681  (14111817)
        413374.78   3728404.09       11.89097  (14111817)                413394.78
3728404.09       11.04281  (14111817)
        413414.78   3728404.09       11.21107  (14111817)                413434.78
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3728404.09   13.44030 (14111817)
        413454.78   3728404.09   14.03563 (14111817)   413474.78
3728404.09   12.42312 (14111817)
        413494.78   3728404.09   11.69966 (14111817)   413514.78
3728404.09   13.96085 (14111817)
        413534.78   3728404.09   13.36283 (14111817)   413554.78
3728404.09   13.53306 (14111817)
        413574.78   3728404.09   13.65647 (14111817)   413594.78
3728404.09   12.80496 (14111817)
        413614.78   3728404.09   12.73559 (14111817)   413634.78
3728404.09   11.94152 (13112817)
        413654.78   3728404.09   11.59455 (13112817)   413674.78
3728404.09   11.30227 (13112817)
        413694.78   3728404.09   11.61566 (13112817)   413714.78
3728404.09   11.10025 (13112817)
        413734.78   3728404.09   10.94083 (13112817)   413294.78
3728424.09   11.79470 (16110817)
        413314.78   3728424.09   10.96582 (16110817)   413334.78
3728424.09   10.89989 (16110817)
        413354.78   3728424.09   12.27007 (14111817)   413374.78
3728424.09   12.36078 (14111817)
        413394.78   3728424.09   11.13991 (14111817)   413414.78
3728424.09   10.89197 (14111817)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2   ***
                                    INCLUDING SOURCE(S):   L0000145   , L0000146
, L0000147   , L0000148   , L0000149   ,
                  L0000150   , L0000151   , L0000152   , L0000153   , L0000154
, L0000155   , L0000156   , L0000157   ,
                  L0000158   , L0000159   , L0000160   , L0000161   , L0000162
, L0000163   , L0000164   , L0000165   ,
                  L0000166   , L0000167   , L0000168   , L0000169   , L0000170
, L0000171   , L0000172   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)

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 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
        413434.78   3728424.09       13.59082  (14111817)                413454.78
3728424.09       14.15258  (14111817)
        413474.78   3728424.09       13.14455  (14111817)                413494.78
3728424.09       11.54291  (14111817)
        413514.78   3728424.09       11.52411  (14111817)                413534.78
3728424.09       11.16045  (14111817)
        413554.78   3728424.09       11.07155  (14111817)                413574.78
3728424.09       11.03146  (14111817)
        413594.78   3728424.09       10.83604  (14111817)                413614.78
3728424.09       10.68448  (14111817)
        413634.78   3728424.09       10.63475  (13112817)                413654.78
3728424.09       10.55906  (13112817)
        413674.78   3728424.09       10.57861  (13112817)                413694.78
3728424.09       10.79134  (13112817)
        413714.78   3728424.09       10.74944  (13112817)                413734.78
3728424.09       10.69844  (13112817)
        413294.78   3728444.09       13.65357  (16110817)                413314.78
3728444.09       11.64652  (16110817)
        413334.78   3728444.09       10.86845  (16110817)                413354.78
3728444.09       11.29540  (16110817)
        413374.78   3728444.09       12.66762  (14111817)                413394.78
3728444.09       12.76272  (14111817)
        413414.78   3728444.09       10.93856  (14111817)                413434.78
3728444.09       13.57991  (14111817)
        413454.78   3728444.09       14.07041  (14111817)                413474.78
3728444.09       13.59246  (14111817)
        413494.78   3728444.09       11.43426  (14111817)                413514.78
3728444.09       11.58108  (14111817)
        413534.78   3728444.09       11.71631  (14111817)                413554.78
3728444.09       11.68514  (14111817)
        413574.78   3728444.09       11.38846  (14111817)                413594.78
3728444.09       11.49512  (14111817)
        413614.78   3728444.09       11.54935  (14111817)                413634.78
3728444.09       11.49040  (14111817)
        413654.78   3728444.09       10.56889  (13112817)                413674.78
3728444.09       11.78579  (13112817)
        413694.78   3728444.09       12.97947  (15010617)                413714.78
3728444.09       13.65919  (15010617)
        413734.78   3728444.09       10.66944  (13112817)                413294.78
3728464.09       13.29175  (16110817)
        413314.78   3728464.09       11.81291  (16110817)                413334.78
3728464.09       11.07820  (16110817)
        413354.78   3728464.09       10.77263  (16110817)                413374.78
3728464.09       13.13319  (14111817)
        413394.78   3728464.09       12.62881  (14111817)                413414.78
3728464.09       11.03409  (14111817)
        413434.78   3728464.09       12.67759  (14111817)                413454.78
3728464.09       13.88014  (14111817)
```

```
        413474.78   3728464.09       13.65025  (14111817)                413494.78
3728464.09       11.70414  (14111817)
        413514.78   3728464.09       13.63039  (14111817)                413534.78
3728464.09       13.84302  (14111817)
        413554.78   3728464.09       13.94889  (14111817)                413574.78
3728464.09       13.90341  (14111817)
        413594.78   3728464.09       13.82568  (14111817)                413614.78
3728464.09       13.64808  (14111817)
        413634.78   3728464.09       12.40519  (14111817)                413654.78
3728464.09       10.62899  (13112817)
        413674.78   3728464.09       12.11075  (13112817)                413694.78
3728464.09       13.51180  (15010617)
        413714.78   3728464.09       13.80955  (15010617)                413734.78
3728464.09       10.89744  (13112817)
        413314.78   3728484.09       13.49633  (16110817)                413334.78
3728484.09       11.46593  (16110817)
        413354.78   3728484.09       10.74366  (16110817)                413374.78
3728484.09       11.40832  (14111817)
        413394.78   3728484.09       11.27749  (14111817)                413414.78
3728484.09       11.30054  (14111817)
        413434.78   3728484.09       11.37734  (14111817)                413454.78
3728484.09       11.81032  (14111817)
        413474.78   3728484.09       12.19166  (14111817)                413494.78
3728484.09       12.51711  (14111817)
        413514.78   3728484.09       14.14009  (14111817)                413534.78
3728484.09       14.56571  (14111817)
        413554.78   3728484.09       14.75383  (14111817)                413574.78
3728484.09       14.55617  (14111817)
        413594.78   3728484.09       14.79748  (14111817)                413614.78
3728484.09       14.35359  (14111817)
        413634.78   3728484.09       12.91153  (14111817)                413654.78
3728484.09       10.73724  (14111817)
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                         ***        16:48:31

                                    PAGE 535
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SRCGP2   ***
                                    INCLUDING SOURCE(S):     L0000145    , L0000146
, L0000147    , L0000148    , L0000149    ,
                 L0000150    , L0000151    , L0000152    , L0000153    , L0000154
, L0000155    , L0000156    , L0000157    ,
                 L0000158    , L0000159    , L0000160    , L0000161    , L0000162
, L0000163    , L0000164    , L0000165    ,
                 L0000166    , L0000167    , L0000168    , L0000169    , L0000170
, L0000171    , L0000172    ,  . . .      ,
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
413674.78	3728484.09	13.02114	(13112817)	413694.78	3728484.09	13.51057	(15010617)
413714.78	3728484.09	13.73512	(15010617)	413734.78	3728484.09	13.21248	(15010617)
413334.78	3728504.09	13.26060	(16110817)	413354.78	3728504.09	11.31865	(16110817)
413374.78	3728504.09	10.64738	(16110817)	413394.78	3728504.09	12.48060	(14111817)
413414.78	3728504.09	13.64799	(14010217)	413434.78	3728504.09	13.64461	(14111817)
413454.78	3728504.09	13.87119	(14111817)	413474.78	3728504.09	13.75295	(14111817)
413494.78	3728504.09	13.12605	(14111817)	413514.78	3728504.09	14.32990	(14111817)
413534.78	3728504.09	14.58760	(14111817)	413554.78	3728504.09	14.42599	(14111817)
413574.78	3728504.09	14.05168	(14111817)	413594.78	3728504.09	14.54314	(14111817)
413614.78	3728504.09	14.30373	(14111817)	413634.78	3728504.09	13.14662	(14111817)
413654.78	3728504.09	10.70869	(14111817)	413674.78	3728504.09	13.30168	(13112817)
413694.78	3728504.09	13.71198	(15010617)	413714.78	3728504.09	13.71775	(15010617)
413734.78	3728504.09	12.82272	(15010617)	413334.78	3728524.09	13.80926	(14010217)
413354.78	3728524.09	13.23704	(14010217)	413374.78	3728524.09	10.85533	(16110817)
413394.78	3728524.09	11.14611	(14111817)	413414.78	3728524.09	13.39164	(14010217)
413434.78	3728524.09	13.82007	(14010217)	413454.78	3728524.09	14.42288	(14010217)
413474.78	3728524.09	13.60172	(14111817)	413494.78	3728524.09	13.62657	(14111817)
413514.78	3728524.09	13.80904	(14111817)	413534.78	3728524.09	13.87525	(14111817)
413554.78	3728524.09	13.85204	(14111817)	413574.78	3728524.09	14.33419	(14111817)
413594.78	3728524.09	14.70178	(14111817)	413614.78			

3728524.09   14.10385 (14111817)
        413634.78   3728524.09   12.24535 (14111817)   413654.78
3728524.09   10.67491 (14111817)
        413674.78   3728524.09   12.92250 (13112817)   413694.78
3728524.09   13.54611 (15010617)
        413714.78   3728524.09   13.30308 (15010617)   413734.78
3728524.09   11.65429 (13112817)
        413334.78   3728544.09   13.96027 (14010217)   413354.78
3728544.09   13.53617 (14010217)
        413374.78   3728544.09   11.90529 (16110817)   413394.78
3728544.09   10.76674 (14111817)
        413414.78   3728544.09   13.32776 (14010217)   413434.78
3728544.09   14.16279 (14010217)
        413454.78   3728544.09   14.04174 (14010217)   413474.78
3728544.09   12.99165 (14111817)
        413494.78   3728544.09   14.14119 (14111817)   413514.78
3728544.09   14.27630 (14111817)
        413534.78   3728544.09   14.27098 (14111817)   413554.78
3728544.09   14.37058 (14111817)
        413574.78   3728544.09   14.55425 (14111817)   413594.78
3728544.09   14.11925 (14111817)
        413614.78   3728544.09   13.24421 (14111817)   413634.78
3728544.09   11.32311 (14111817)
        413654.78   3728544.09   10.49738 (14111817)   413674.78
3728544.09   13.20527 (14111817)
        413694.78   3728544.09   13.50964 (15010617)   413714.78
3728544.09   13.66449 (15010617)
        413734.78   3728544.09   13.36234 (15010617)   413374.78
3728564.09   13.19436 (14010217)
        413394.78   3728564.09   13.45921 (14010217)   413414.78
3728564.09   13.71064 (14010217)
        413434.78   3728564.09   14.23667 (14010217)   413454.78
3728564.09   13.38564 (14111817)
        413474.78   3728564.09   13.47453 (14111817)   413494.78
3728564.09   14.32831 (14010217)
        413514.78   3728564.09   14.40043 (14111817)   413534.78
3728564.09   14.40819 (14111817)
        413554.78   3728564.09   14.12427 (14111817)   413574.78
3728564.09   13.43893 (14111817)
        413594.78   3728564.09   12.36826 (14111817)   413614.78
3728564.09   11.38033 (14111817)

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION

VALUES FOR SOURCE GROUP: SRCGP2   ***
                                INCLUDING SOURCE(S):   L0000145   , L0000146
, L0000147   , L0000148   , L0000149   ,
                L0000150   , L0000151   , L0000152   , L0000153   , L0000154
, L0000155   , L0000156   , L0000157   ,
                L0000158   , L0000159   , L0000160   , L0000161   , L0000162
, L0000163   , L0000164   , L0000165   ,
                L0000166   , L0000167   , L0000168   , L0000169   , L0000170
, L0000171   , L0000172   , . . .   ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        413634.78   3728564.09   10.50614 (14111817)   413654.78
3728564.09   10.36447 (14111817)
        413674.78   3728564.09   12.26645 (14111817)   413694.78
3728564.09   13.11920 (13112817)
        413714.78   3728564.09   13.86737 (15010617)   413734.78
3728564.09   14.54350 (15010617)
        413374.78   3728584.09   13.85926 (14010217)   413394.78
3728584.09   13.73597 (14010217)
        413414.78   3728584.09   14.03491 (14010217)   413434.78
3728584.09   13.94792 (14010217)
        413454.78   3728584.09   12.23832 (14111817)   413474.78
3728584.09   13.97208 (14010217)
        413494.78   3728584.09   14.25261 (14010217)   413514.78
3728584.09   13.81719 (14111817)
        413534.78   3728584.09   13.42782 (14111817)   413554.78
3728584.09   12.37116 (14111817)
        413574.78   3728584.09   10.97466 (14111817)   413594.78
3728584.09   10.63126 (14111817)
        413614.78   3728584.09   10.55428 (14111817)   413634.78
3728584.09   10.99924 (14111817)
        413654.78   3728584.09   11.56282 (14111817)   413674.78
3728584.09   13.14326 (14111817)
        413694.78   3728584.09   14.86679 (15010617)   413714.78
3728584.09   15.63491 (15010617)
        413734.78   3728584.09   15.78960 (15010617)   413374.78
3728604.09   13.53854 (14010217)
        413394.78   3728604.09   14.30584 (14010217)   413414.78
3728604.09   14.13197 (14010217)
        413434.78   3728604.09   13.13863 (14010217)   413454.78
3728604.09   12.01395 (14111817)

413474.78 3728604.09 13.76831 (14010217) 413494.78
3728604.09 13.54316 (14111817)
413514.78 3728604.09 12.81232 (14111817) 413534.78
3728604.09 11.37216 (14111817)
413554.78 3728604.09 10.67622 (14111817) 413574.78
3728604.09 10.71845 (14111817)
413594.78 3728604.09 11.32692 (14111817) 413614.78
3728604.09 12.18907 (14111817)
413634.78 3728604.09 13.43701 (14111817) 413654.78
3728604.09 15.20601 (14111817)
413674.78 3728604.09 15.71664 (14111817) 413694.78
3728604.09 15.86320 (15010617)
413714.78 3728604.09 15.89672 (15010617) 413734.78
3728604.09 15.85153 (15010617)
413414.78 3728624.09 13.08111 (14010217) 413434.78
3728624.09 13.52116 (14010217)
413454.78 3728624.09 11.12269 (14111817) 413474.78
3728624.09 11.97217 (14111817)
413494.78 3728624.09 12.14709 (14111817) 413514.78
3728624.09 10.95592 (14111817)
413534.78 3728624.09 10.95760 (14111817) 413554.78
3728624.09 11.62646 (14111817)
413574.78 3728624.09 12.73508 (14111817) 413594.78
3728624.09 13.58679 (14111817)
413614.78 3728624.09 15.52952 (14111817) 413634.78
3728624.09 16.56904 (16102717)
413654.78 3728624.09 16.66453 (16102717) 413674.78
3728624.09 16.29588 (16102717)
413694.78 3728624.09 15.89758 (15010617) 413714.78
3728624.09 15.84939 (15010617)
413734.78 3728624.09 15.69844 (15010617) 413414.78
3728644.09 13.53199 (14010217)
413434.78 3728644.09 13.75465 (14010217) 413454.78
3728644.09 13.22404 (14010217)
413474.78 3728644.09 11.08402 (14111817) 413494.78
3728644.09 10.89424 (14111817)
413514.78 3728644.09 11.06075 (14111817) 413534.78
3728644.09 13.23286 (14111817)
413554.78 3728644.09 13.87545 (14111817) 413574.78
3728644.09 15.95868 (14010217)
413594.78 3728644.09 17.62823 (16102717) 413614.78
3728644.09 17.73367 (16102717)
413634.78 3728644.09 17.39883 (16102717) 413654.78
3728644.09 16.98704 (16102717)
413674.78 3728644.09 16.45161 (16102717) 413694.78
3728644.09 15.75670 (14111817)
413714.78 3728644.09 15.41459 (15010617) 413734.78
3728644.09 14.53651 (15010617)
413414.78 3728664.09 13.36681 (14010217) 413434.78
3728664.09 13.93288 (14010217)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2   ***
                                    INCLUDING SOURCE(S):   L0000145   , L0000146
, L0000147   , L0000148   , L0000149   ,
                  L0000150   , L0000151   , L0000152   , L0000153   , L0000154
, L0000155   , L0000156   , L0000157   ,
                  L0000158   , L0000159   , L0000160   , L0000161   , L0000162
, L0000163   , L0000164   , L0000165   ,
                  L0000166   , L0000167   , L0000168   , L0000169   , L0000170
, L0000171   , L0000172   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        413454.78   3728664.09   14.40813 (14010217)   413474.78
3728664.09   13.13501 (14010217)
        413494.78   3728664.09   14.10310 (14010217)   413514.78
3728664.09   14.48592 (14010217)
        413534.78   3728664.09   16.61594 (16102717)   413554.78
3728664.09   18.48974 (16102717)
        413574.78   3728664.09   18.62703 (16102717)   413594.78
3728664.09   18.40933 (16102717)
        413614.78   3728664.09   18.04776 (16102717)   413634.78
3728664.09   17.54866 (16102717)
        413654.78   3728664.09   16.85688 (16102717)   413674.78
3728664.09   15.64754 (14111817)
        413694.78   3728664.09   14.37209 (14111817)   413714.78
3728664.09   13.48758 (14111817)
        413734.78   3728664.09   13.64749 (15010617)   413414.78
3728684.09   13.53879 (14010217)
        413434.78   3728684.09   13.78510 (14010217)   413454.78
3728684.09   14.08924 (14010217)
        413474.78   3728684.09   14.85247 (14010217)   413494.78
3728684.09   17.14665 (16102717)
        413514.78   3728684.09   19.16196 (16102717)   413534.78

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3728684.09       19.35032  (16102717)
        413554.78   3728684.09       19.22612  (16102717)                413574.78
3728684.09       18.95126  (16102717)
        413594.78   3728684.09       18.50866  (16102717)                413614.78
3728684.09       17.87380  (16102717)
        413634.78   3728684.09       16.57018  (16102717)                413654.78
3728684.09       14.83341  (14111817)
        413674.78   3728684.09       13.14054  (14111817)                413694.78
3728684.09       12.69358  (14111817)
        413714.78   3728684.09       13.21491  (14111817)                413734.78
3728684.09       14.05176  (15010617)
        410427.04   3723000.34       92.69884  (14120317)                410447.04
3723000.34       94.54477  (14120317)
        410467.04   3723000.34       96.46439  (14120317)                410487.04
3723000.34       98.36238  (14120317)
        410507.04   3723000.34      100.25319  (14120317)                410527.04
3723000.34      102.22259  (14120317)
        410547.04   3723000.34      104.31127  (14120317)                410567.04
3723000.34      106.42779  (14120317)
        410587.04   3723000.34      108.45785  (14120317)                410607.04
3723000.34      110.59490  (14120317)
        410627.04   3723000.34      112.89518  (14120317)                410647.04
3723000.34      115.19031  (14120317)
        410667.04   3723000.34      117.38958  (14120317)                410687.04
3723000.34      119.74328  (14120317)
        410707.04   3723000.34      122.31517  (14120317)                410727.04
3723000.34      124.79190  (14120317)
        410747.04   3723000.34      127.38340  (14120317)                410767.04
3723000.34      130.03718  (14120317)
        410787.04   3723000.34      132.85562  (14120317)                410807.04
3723000.34      135.72532  (14120317)
        410827.04   3723000.34      138.73472  (14120317)                410847.04
3723000.34      141.93756  (14120317)
        410867.04   3723000.34      145.35160  (14120317)                410887.04
3723000.34      148.82160  (14120317)
        410907.04   3723000.34      152.59204  (14120317)                410927.04
3723000.34      156.52813  (14120317)
        410947.04   3723000.34      160.63853  (14120317)                410967.04
3723000.34      171.37372  (13012117)
        410987.04   3723000.34      184.02335  (13012117)                411007.04
3723000.34      197.02163  (13012117)
        411027.04   3723000.34      210.62316  (13012117)                411047.04
3723000.34      224.07863  (13012117)
        411067.04   3723000.34      237.88413  (13012117)                411087.04
3723000.34      252.08222  (13012117)
        411107.04   3723000.34      266.56352  (13012117)                411127.04
3723000.34      281.50648  (13012117)
        411147.04   3723000.34      297.17547  (13012117)                411167.04
3723000.34      313.37761  (13012117)
        411187.04   3723000.34      330.59310  (13012117)                411207.04
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3723000.34   349.17720 (13012117)
        411227.04   3723000.34   371.53451 (12112917)   411327.04
3723000.34   590.47923 (14111717)
        410427.04   3723020.34   91.33019 (14120317)   410447.04
3723020.34   92.99188 (14120317)
        410467.04   3723020.34   94.67693 (14120317)   410487.04
3723020.34   96.37884 (14120317)
        410507.04   3723020.34   98.12985 (14120317)   410527.04
3723020.34   99.93745 (14120317)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2   ***
                                   INCLUDING SOURCE(S):   L0000145   , L0000146
, L0000147   , L0000148   , L0000149   ,
                 L0000150   , L0000151   , L0000152   , L0000153   , L0000154
, L0000155   , L0000156   , L0000157   ,
                 L0000158   , L0000159   , L0000160   , L0000161   , L0000162
, L0000163   , L0000164   , L0000165   ,
                 L0000166   , L0000167   , L0000168   , L0000169   , L0000170
, L0000171   , L0000172   , . . .   ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        410547.04   3723020.34   101.77610 (14120317)   410567.04
3723020.34   103.64814 (14120317)
        410587.04   3723020.34   105.55347 (14120317)   410607.04
3723020.34   107.48296 (14120317)
        410627.04   3723020.34   109.46672 (14120317)   410647.04
3723020.34   111.48442 (14120317)
        410667.04   3723020.34   113.54263 (14120317)   410687.04
3723020.34   115.66725 (14120317)
        410707.04   3723020.34   117.85076 (14120317)   410727.04
3723020.34   120.09553 (14120317)
        410747.04   3723020.34   122.41629 (14120317)   410767.04
3723020.34   124.81674 (14120317)

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        410787.04   3723020.34      127.22504  (14120317)                410807.04
3723020.34      129.73387  (14120317)
        410827.04   3723020.34      132.40431  (14120317)                410847.04
3723020.34      135.19877  (14120317)
        410867.04   3723020.34      138.12835  (14120317)                410887.04
3723020.34      141.16601  (14120317)
        410907.04   3723020.34      144.36449  (14120317)                410927.04
3723020.34      149.33788  (13012117)
        410947.04   3723020.34      160.74511  (13012117)                410967.04
3723020.34      172.58438  (13012117)
        410987.04   3723020.34      184.71411  (13012117)                411007.04
3723020.34      197.10774  (13012117)
        411027.04   3723020.34      209.73122  (13012117)                411047.04
3723020.34      222.56397  (13012117)
        411067.04   3723020.34      235.65002  (13012117)                411087.04
3723020.34      248.98947  (13012117)
        411107.04   3723020.34      262.57570  (13012117)                411127.04
3723020.34      276.59613  (13012117)
        411147.04   3723020.34      291.07928  (13012117)                411167.04
3723020.34      306.08785  (13012117)
        411187.04   3723020.34      321.87057  (13012117)                411207.04
3723020.34      338.23302  (13012117)
        411227.04   3723020.34      362.22316  (12112917)                410427.04
3723040.34       89.59202  (14120317)
        410447.04   3723040.34       91.05003  (14120317)                410467.04
3723040.34       92.58460  (14120317)
        410487.04   3723040.34       94.16196  (14120317)                410507.04
3723040.34       95.74401  (14120317)
        410527.04   3723040.34       97.35505  (14120317)                410547.04
3723040.34       98.98837  (14120317)
        410567.04   3723040.34      100.65107  (14120317)                410587.04
3723040.34      102.36465  (14120317)
        410607.04   3723040.34      103.97951  (14120317)                410627.04
3723040.34      105.70342  (14120317)
        410647.04   3723040.34      107.48097  (14120317)                410667.04
3723040.34      109.29471  (14120317)
        410687.04   3723040.34      111.15207  (14120317)                410707.04
3723040.34      113.04275  (14120317)
        410727.04   3723040.34      115.00109  (14120317)                410747.04
3723040.34      117.18466  (14120317)
        410767.04   3723040.34      119.04786  (14120317)                410787.04
3723040.34      121.14697  (14120317)
        410807.04   3723040.34      123.34101  (14120317)                410827.04
3723040.34      125.55778  (14120317)
        410847.04   3723040.34      127.91746  (14120317)                410867.04
3723040.34      130.37222  (14120317)
        410887.04   3723040.34      132.87437  (14120317)                410907.04
3723040.34      140.50080  (13012117)
        410927.04   3723040.34      151.18347  (13012117)                410947.04
3723040.34      161.80903  (13012117)
```

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        410967.04   3723040.34      173.43705  (13012117)                410987.04
3723040.34      185.08888  (13012117)
        411007.04   3723040.34      196.91309  (13012117)                411027.04
3723040.34      208.83027  (13012117)
        411047.04   3723040.34      220.99208  (13012117)                411067.04
3723040.34      233.33559  (13012117)
        411087.04   3723040.34      245.86379  (13012117)                411107.04
3723040.34      258.62573  (13012117)
        411127.04   3723040.34      271.65009  (13012117)                411147.04
3723040.34      285.04859  (13012117)
        411167.04   3723040.34      298.72083  (13012117)                411187.04
3723040.34      312.99066  (13012117)
        411207.04   3723040.34      326.86640  (13012117)                411227.04
3723040.34      354.49607  (12112917)
        410427.04   3723060.34       87.47092  (14120317)                410447.04
3723060.34       88.74476  (14120317)
        410467.04   3723060.34       90.15344  (14120317)                410487.04
3723060.34       91.58564  (14120317)
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                         ***        16:48:31

                                    PAGE 539
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SRCGP2   ***
                                    INCLUDING SOURCE(S):     L0000145    , L0000146
, L0000147    , L0000148    , L0000149    ,
                 L0000150    , L0000151    , L0000152    , L0000153    , L0000154
, L0000155    , L0000156    , L0000157    ,
                 L0000158    , L0000159    , L0000160    , L0000161    , L0000162
, L0000163    , L0000164    , L0000165    ,
                 L0000166    , L0000167    , L0000168    , L0000169    , L0000170
, L0000171    , L0000172    ,  . . .      ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                         ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        410507.04   3723060.34       93.00480  (14120317)                410527.04
3723060.34       94.41704  (14120317)
        410547.04   3723060.34       95.86541  (14120317)                410567.04
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3723060.34       97.30023  (14120317)
        410587.04   3723060.34       98.79342  (14120317)                410607.04
3723060.34      100.16348  (14120317)
        410627.04   3723060.34      101.74143  (14120317)                410647.04
3723060.34      103.30371  (14120317)
        410667.04   3723060.34      104.87425  (14120317)                410687.04
3723060.34      106.47237  (14120317)
        410707.04   3723060.34      108.08150  (14120317)                410727.04
3723060.34      109.73546  (14120317)
        410747.04   3723060.34      111.48963  (14120317)                410767.04
3723060.34      112.94934  (14120317)
        410787.04   3723060.34      114.66362  (14120317)                410807.04
3723060.34      116.44192  (14120317)
        410827.04   3723060.34      118.07388  (14120317)                410847.04
3723060.34      120.00941  (14120317)
        410867.04   3723060.34      122.59515  (13012117)                410887.04
3723060.34      132.14454  (13012117)
        410907.04   3723060.34      142.10617  (13012117)                410927.04
3723060.34      152.38697  (13012117)
        410947.04   3723060.34      162.69778  (13012117)                410967.04
3723060.34      173.67314  (13012117)
        410987.04   3723060.34      184.72702  (13012117)                411007.04
3723060.34      195.86927  (13012117)
        411027.04   3723060.34      207.12422  (13012117)                411047.04
3723060.34      218.55172  (13012117)
        411067.04   3723060.34      230.11581  (13012117)                411087.04
3723060.34      241.77428  (13012117)
        411107.04   3723060.34      253.58064  (13012117)                411127.04
3723060.34      265.33661  (13012117)
        411147.04   3723060.34      277.45621  (13012117)                411167.04
3723060.34      290.36587  (13012117)
        411187.04   3723060.34      302.23761  (13012117)                411207.04
3723060.34      319.48122  (12112917)
        411227.04   3723060.34      344.70386  (12112917)                411247.04
3723060.34      370.40213  (12112917)
        411267.04   3723060.34      396.10916  (12112917)                411287.04
3723060.34      414.53724  (12112917)
        410427.04   3723080.34       84.95924  (14120317)                410447.04
3723080.34       86.17245  (14120317)
        410467.04   3723080.34       87.40861  (14120317)                410487.04
3723080.34       88.66542  (14120317)
        410507.04   3723080.34       89.92239  (14120317)                410527.04
3723080.34       91.14544  (14120317)
        410547.04   3723080.34       92.41108  (14120317)                410567.04
3723080.34       93.63841  (14120317)
        410587.04   3723080.34       94.91030  (14120317)                410607.04
3723080.34       96.06040  (14120317)
        410627.04   3723080.34       97.42264  (14120317)                410647.04
3723080.34       98.77076  (14120317)
        410667.04   3723080.34      100.07830  (14120317)                410687.04
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3723080.34   101.39385 (14120317)
        410707.04   3723080.34   102.74341 (14120317)   410727.04
3723080.34   104.10351 (14120317)
        410747.04   3723080.34   105.47426 (14120317)   410767.04
3723080.34   106.57139 (14120317)
        410787.04   3723080.34   107.90374 (14120317)   410807.04
3723080.34   109.27836 (14120317)
        410827.04   3723080.34   110.48902 (14120317)   410847.04
3723080.34   115.84287 (13012117)
        410867.04   3723080.34   124.85308 (13012117)   410887.04
3723080.34   134.13072 (13012117)
        410907.04   3723080.34   143.56664 (13012117)   410927.04
3723080.34   153.58737 (13012117)
        410947.04   3723080.34   163.75935 (13012117)   410967.04
3723080.34   174.01929 (13012117)
        410987.04   3723080.34   184.27375 (13012117)   411007.04
3723080.34   195.10603 (13012117)
        411027.04   3723080.34   205.69521 (13012117)   411047.04
3723080.34   216.30774 (13012117)
        411067.04   3723080.34   226.86723 (13012117)   411087.04
3723080.34   237.93692 (13012117)
        411107.04   3723080.34   248.86783 (13012117)   411127.04
3723080.34   259.22175 (13012117)
        411147.04   3723080.34   269.76149 (13012117)   411167.04
3723080.34   280.86652 (13012117)
        411187.04   3723080.34   290.53623 (12112917)   411207.04
3723080.34   312.89907 (12112917)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2   ***
                                   INCLUDING SOURCE(S):   L0000145   , L0000146
, L0000147   , L0000148   , L0000149   ,
                 L0000150   , L0000151   , L0000152   , L0000153   , L0000154
, L0000155   , L0000156   , L0000157   ,
                 L0000158   , L0000159   , L0000160   , L0000161   , L0000162
, L0000163   , L0000164   , L0000165   ,
                 L0000166   , L0000167   , L0000168   , L0000169   , L0000170
, L0000171   , L0000172   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
411227.04	3723080.34	336.22559	(12112917)	411247.04	3723080.34	358.58321	(12112917)
411267.04	3723080.34	378.46406	(12112917)	411287.04	3723080.34	395.80908	(12121217)
410427.04	3723100.34	82.27199	(14120317)	410447.04	3723100.34	83.37299	(14120317)
410467.04	3723100.34	84.42848	(14120317)	410487.04	3723100.34	85.50277	(14120317)
410507.04	3723100.34	86.57622	(14120317)	410527.04	3723100.34	87.61066	(14120317)
410547.04	3723100.34	88.68258	(14120317)	410567.04	3723100.34	89.71136	(14120317)
410587.04	3723100.34	90.76138	(14120317)	410607.04	3723100.34	91.69496	(14120317)
410627.04	3723100.34	92.75070	(14120317)	410647.04	3723100.34	93.81997	(14120317)
410667.04	3723100.34	94.86372	(14120317)	410687.04	3723100.34	95.91830	(14120317)
410707.04	3723100.34	96.96149	(14120317)	410727.04	3723100.34	98.00028	(14120317)
410747.04	3723100.34	99.15753	(14120317)	410767.04	3723100.34	99.95993	(14120317)
410787.04	3723100.34	100.93525	(14120317)	410807.04	3723100.34	101.97225	(14120317)
410827.04	3723100.34	109.60856	(13012117)	410847.04	3723100.34	118.22630	(13012117)
410867.04	3723100.34	127.03784	(13012117)	410887.04	3723100.34	136.01811	(13012117)
410907.04	3723100.34	145.03763	(13012117)	410927.04	3723100.34	154.84491	(13012117)
410947.04	3723100.34	164.63186	(13012117)	410967.04	3723100.34	174.33832	(13012117)
410987.04	3723100.34	183.87639	(13012117)	411007.04	3723100.34	194.34631	(13012117)
411027.04	3723100.34	204.41219	(13012117)	411047.04	3723100.34	214.15034	(13012117)
411067.04	3723100.34	223.73119	(13012117)	411087.04	3723100.34	234.06575	(13012117)
411107.04	3723100.34	243.87288	(13012117)	411127.04	3723100.34	252.59338	(13012117)
411147.04	3723100.34	261.30170	(13012117)	411167.04	3723100.34	270.00641	(13012117)
411187.04	3723100.34	285.55497	(12112917)	411207.04	3723100.34	306.37763	(12112917)

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        411227.04   3723100.34      327.75308  (12112917)                411247.04
3723100.34      347.57499  (12112917)
        411267.04   3723100.34      361.06003  (12112917)                411287.04
3723100.34      377.16528  (12121217)
        411307.04   3723100.34      392.39165  (12121217)                410427.04
3723120.34       79.43502  (14120317)
        410447.04   3723120.34       80.33648  (14120317)                410467.04
3723120.34       81.21202  (14120317)
        410487.04   3723120.34       82.12014  (14120317)                410507.04
3723120.34       83.00357  (14120317)
        410527.04   3723120.34       83.85942  (14120317)                410547.04
3723120.34       84.73078  (14120317)
        410567.04   3723120.34       85.55960  (14120317)                410587.04
3723120.34       86.38815  (14120317)
        410607.04   3723120.34       87.11736  (14120317)                410627.04
3723120.34       87.95739  (14120317)
        410647.04   3723120.34       88.79256  (14120317)                410667.04
3723120.34       89.57870  (14120317)
        410687.04   3723120.34       90.35668  (14120317)                410707.04
3723120.34       91.12545  (14120317)
        410727.04   3723120.34       91.86437  (14120317)                410747.04
3723120.34       92.71861  (14120317)
        410767.04   3723120.34       93.20214  (14120317)                410787.04
3723120.34       96.63871  (13012117)
        410807.04   3723120.34      104.23704  (13012117)                410827.04
3723120.34      111.86988  (13012117)
        410847.04   3723120.34      120.32141  (13012117)                410867.04
3723120.34      128.86830  (13012117)
        410887.04   3723120.34      137.56976  (13012117)                410907.04
3723120.34      146.19951  (13012117)
        410927.04   3723120.34      155.65416  (13012117)                410947.04
3723120.34      164.94542  (13012117)
        410967.04   3723120.34      174.17557  (13012117)                410987.04
3723120.34      183.12260  (13012117)
        411007.04   3723120.34      192.95340  (13012117)                411027.04
3723120.34      202.28959  (13012117)
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        16:48:31

                                   PAGE 541
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SRCGP2   ***
                                   INCLUDING SOURCE(S):     L0000145    , L0000146
, L0000147    , L0000148    , L0000149    ,
                 L0000150    , L0000151    , L0000152    , L0000153    , L0000154
, L0000155    , L0000156    , L0000157    ,
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                L0000158    , L0000159    , L0000160    , L0000161    , L0000162
, L0000163    , L0000164    , L0000165    ,
                L0000166    , L0000167    , L0000168    , L0000169    , L0000170
, L0000171    , L0000172    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        411047.04   3723120.34      211.24944  (13012117)               411067.04
3723120.34      219.95581  (13012117)
        411087.04   3723120.34      229.28792  (13012117)               411107.04
3723120.34      237.68202  (13012117)
        411127.04   3723120.34      244.87305  (13012117)               411147.04
3723120.34      251.63310  (13012117)
        411167.04   3723120.34      260.43271  (12112917)               411187.04
3723120.34      280.50979  (12112917)
        411207.04   3723120.34      299.54997  (12112917)               411227.04
3723120.34      318.27369  (12112917)
        411247.04   3723120.34      335.00899  (12112917)               411267.04
3723120.34      345.43333  (12112917)
        411287.04   3723120.34      358.60466  (12121217)               411307.04
3723120.34      371.78864  (14111717)
        411327.04   3723120.34      390.65593  (14111717)               410707.04
3723140.34       85.25427  (14120317)
        410727.04   3723140.34       85.73511  (14120317)               410747.04
3723140.34       86.21361  (14120317)
        410767.04   3723140.34       91.93263  (13012117)               410787.04
3723140.34       99.00354  (13012117)
        410807.04   3723140.34      106.44008  (13012117)               410827.04
3723140.34      113.91567  (13012117)
        410847.04   3723140.34      122.13399  (13012117)               410867.04
3723140.34      130.43558  (13012117)
        410887.04   3723140.34      138.79374  (13012117)               410907.04
3723140.34      147.07374  (13012117)
        410927.04   3723140.34      156.09029  (13012117)               410947.04
3723140.34      164.96338  (13012117)
        410967.04   3723140.34      173.64701  (13012117)               410987.04
3723140.34      181.98971  (13012117)
        411007.04   3723140.34      191.08804  (13012117)               411027.04
3723140.34      199.77851  (13012117)
        411047.04   3723140.34      207.81343  (13012117)               411067.04
3723140.34      215.49639  (13012117)
        411087.04   3723140.34      223.70954  (13012117)               411107.04
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3723140.34      230.72179  (13012117)
        411127.04   3723140.34      236.36313  (13012117)                411147.04
3723140.34      241.16600  (13012117)
        411167.04   3723140.34      256.34106  (12112917)                411187.04
3723140.34      275.05120  (12112917)
        411207.04   3723140.34      291.89742  (12112917)                411227.04
3723140.34      308.06364  (12112917)
        411247.04   3723140.34      321.83269  (12112917)                411267.04
3723140.34      329.46991  (12112917)
        411287.04   3723140.34      342.99778  (12121217)                411307.04
3723140.34      352.21023  (14111717)
        411327.04   3723140.34      369.52953  (14111717)                410707.04
3723160.34       79.28107  (14120317)
        410727.04   3723160.34       81.35653  (13012117)                410747.04
3723160.34       87.78569  (13012117)
        410767.04   3723160.34       94.23723  (13012117)                410787.04
3723160.34      101.19232  (13012117)
        410807.04   3723160.34      108.47751  (13012117)                410827.04
3723160.34      115.76797  (13012117)
        410847.04   3723160.34      123.74816  (13012117)                410867.04
3723160.34      131.72804  (13012117)
        410887.04   3723160.34      139.77805  (13012117)                410907.04
3723160.34      147.68140  (13012117)
        410927.04   3723160.34      156.20059  (13012117)                410947.04
3723160.34      164.57340  (13012117)
        410967.04   3723160.34      172.69721  (13012117)                410987.04
3723160.34      180.48157  (13012117)
        411007.04   3723160.34      188.88777  (13012117)                411027.04
3723160.34      196.69867  (13012117)
        411047.04   3723160.34      203.68924  (13012117)                411067.04
3723160.34      210.38920  (13012117)
        411087.04   3723160.34      217.31884  (13012117)                411107.04
3723160.34      222.92549  (13012117)
        411127.04   3723160.34      227.01620  (13012117)                411147.04
3723160.34      233.89687  (12112917)
        411167.04   3723160.34      252.12881  (12112917)                411187.04
3723160.34      269.14311  (12112917)
        411207.04   3723160.34      283.90463  (12112917)                411227.04
3723160.34      297.70203  (12112917)
        411247.04   3723160.34      308.32396  (12112917)                411267.04
3723160.34      316.64691  (12121217)
        411287.04   3723160.34      328.51287  (12121217)                411307.04
3723160.34      335.63866  (14111717)
        411327.04   3723160.34      349.19689  (14111717)                411347.04
3723160.34      355.50419  (14111717)
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***       05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***       16:48:31
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SRCGP2 ***

INCLUDING SOURCE(S): L0000145 , L0000146 , L0000147 , L0000148 , L0000149 ,
L0000150 , L0000151 , L0000152 , L0000153 , L0000154 , L0000155 , L0000156 , L0000157 ,
L0000158 , L0000159 , L0000160 , L0000161 , L0000162 , L0000163 , L0000164 , L0000165 ,
L0000166 , L0000167 , L0000168 , L0000169 , L0000170 , L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
411367.04	3723160.34	349.78877	(14111717)	410707.04	3723180.34	77.53825	(13012117)
410727.04	3723180.34	83.57047	(13012117)	410747.04	3723180.34	90.00311	(13012117)
410767.04	3723180.34	96.38472	(13012117)	410787.04	3723180.34	103.22158	(13012117)
410807.04	3723180.34	110.34833	(13012117)	410827.04	3723180.34	117.38985	(13012117)
410847.04	3723180.34	125.13046	(13012117)	410867.04	3723180.34	132.79022	(13012117)
410887.04	3723180.34	140.48699	(13012117)	410907.04	3723180.34	147.98010	(13012117)
410927.04	3723180.34	156.04449	(13012117)	410947.04	3723180.34	163.86614	(13012117)
410967.04	3723180.34	171.44742	(13012117)	410987.04	3723180.34	178.55965	(13012117)
411007.04	3723180.34	186.20263	(13012117)	411027.04	3723180.34	193.12762	(13012117)
411047.04	3723180.34	199.42347	(13012117)	411067.04	3723180.34	205.10737	(13012117)
411087.04	3723180.34	210.40118	(13012117)	411107.04	3723180.34	214.59890	(13012117)
411127.04	3723180.34	217.08201	(13012117)	411147.04	3723180.34	230.63926	(12112917)
411167.04	3723180.34	247.44798	(12112917)	411187.04	3723180.34	262.86828	(12112917)

411207.04 3723180.34 275.57027 (12112917) 411227.04
3723180.34 287.01219 (12112917)
411247.04 3723180.34 295.20355 (12112917) 411267.04
3723180.34 304.20898 (12121217)
411287.04 3723180.34 312.72330 (12121217) 411307.04
3723180.34 319.96241 (14111717)
411327.04 3723180.34 331.24763 (14111717) 411347.04
3723180.34 335.62453 (14111717)
411367.04 3723180.34 331.38367 (14111717) 411387.04
3723180.34 336.27288 (15121017)
410707.04 3723200.34 79.83243 (13012117) 410727.04
3723200.34 85.80269 (13012117)
410747.04 3723200.34 92.09917 (13012117) 410767.04
3723200.34 98.35943 (13012117)
410787.04 3723200.34 105.04663 (13012117) 410807.04
3723200.34 111.98178 (13012117)
410827.04 3723200.34 118.79051 (13012117) 410847.04
3723200.34 126.22511 (13012117)
410867.04 3723200.34 133.60378 (13012117) 410887.04
3723200.34 140.91191 (13012117)
410907.04 3723200.34 147.96741 (13012117) 410927.04
3723200.34 155.55639 (13012117)
410947.04 3723200.34 162.83277 (13012117) 410967.04
3723200.34 169.75571 (13012117)
410987.04 3723200.34 176.18952 (13012117) 411007.04
3723200.34 182.98449 (13012117)
411027.04 3723200.34 189.09614 (13012117) 411047.04
3723200.34 194.56444 (13012117)
411067.04 3723200.34 199.23873 (13012117) 411087.04
3723200.34 203.06476 (13012117)
411107.04 3723200.34 205.77152 (13012117) 411127.04
3723200.34 211.87073 (12112917)
411147.04 3723200.34 227.21455 (12112917) 411167.04
3723200.34 242.64780 (12112917)
411187.04 3723200.34 256.17289 (12112917) 411207.04
3723200.34 267.10767 (12112917)
411227.04 3723200.34 276.11356 (12112917) 411247.04
3723200.34 281.99298 (12112917)
411267.04 3723200.34 291.76569 (12121217) 411287.04
3723200.34 298.03036 (12121217)
411307.04 3723200.34 306.67099 (14111717) 411327.04
3723200.34 315.93681 (14111717)
411347.04 3723200.34 317.50949 (14111717) 411367.04
3723200.34 313.47905 (14111717)
411387.04 3723200.34 319.36613 (15121017) 410707.04
3723220.34 81.98633 (13012117)
410727.04 3723220.34 87.88280 (13012117) 410747.04
3723220.34 94.02639 (13012117)
410767.04 3723220.34 100.15803 (13012117) 410787.04
3723220.34 106.67901 (13012117)

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SRCGP2 ***
INCLUDING SOURCE(S): L0000145 , L0000146 , L0000147 , L0000148 , L0000149 ,
L0000150 , L0000151 , L0000152 , L0000153 , L0000154 , L0000155 , L0000156 , L0000157 ,
L0000158 , L0000159 , L0000160 , L0000161 , L0000162 , L0000163 , L0000164 , L0000165 ,
L0000166 , L0000167 , L0000168 , L0000169 , L0000170 , L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
410887.04	3723220.34	140.99832	(13012117)	410907.04	3723220.34	147.64149	(13012117)
410927.04	3723220.34	154.72130	(13012117)	410947.04	3723220.34	161.41219	(13012117)
410967.04	3723220.34	167.68507	(13012117)	410987.04	3723220.34	173.39259	(13012117)
411007.04	3723220.34	179.29295	(13012117)	411027.04	3723220.34	184.46002	(13012117)
411047.04	3723220.34	188.85548	(13012117)	411067.04	3723220.34	192.43611	(13012117)
411087.04	3723220.34	194.98302	(13012117)	411107.04	3723220.34	196.32521	(13012117)
411127.04	3723220.34	209.12785	(12112917)	411147.04	3723220.34	223.33182	(12112917)
411167.04	3723220.34	237.14656	(12112917)	411187.04	3723220.34	249.23270	(12112917)
411207.04	3723220.34	258.33093	(12112917)	411227.04			

3723220.34 265.55382 (12112917)
411247.04 3723220.34 269.91504 (12121217) 411267.04
3723220.34 279.97322 (12121217)
411287.04 3723220.34 284.70864 (12121217) 411307.04
3723220.34 292.81833 (14111717)
411327.04 3723220.34 301.25828 (14111717) 411347.04
3723220.34 302.34663 (14111717)
411367.04 3723220.34 296.93160 (14111717) 411387.04
3723220.34 303.01629 (15121017)
410707.04 3723240.34 83.91121 (13012117) 410727.04
3723240.34 89.71276 (13012117)
410747.04 3723240.34 95.70931 (13012117) 410767.04
3723240.34 101.75465 (13012117)
410787.04 3723240.34 108.07746 (13012117) 410807.04
3723240.34 114.53335 (13012117)
410827.04 3723240.34 120.87207 (13012117) 410847.04
3723240.34 127.68014 (13012117)
410867.04 3723240.34 134.28248 (13012117) 410887.04
3723240.34 140.78787 (13012117)
410907.04 3723240.34 146.96732 (13012117) 410927.04
3723240.34 153.49598 (13012117)
410947.04 3723240.34 159.58823 (13012117) 410967.04
3723240.34 165.19330 (13012117)
410987.04 3723240.34 170.14638 (13012117) 411007.04
3723240.34 175.05233 (13012117)
411027.04 3723240.34 179.18168 (13012117) 411047.04
3723240.34 182.51718 (13012117)
411067.04 3723240.34 184.97840 (13012117) 411087.04
3723240.34 186.49038 (13012117)
411107.04 3723240.34 192.48142 (12112917) 411127.04
3723240.34 206.07813 (12112917)
411147.04 3723240.34 219.12647 (12112917) 411167.04
3723240.34 231.24285 (12112917)
411187.04 3723240.34 241.65199 (12112917) 411207.04
3723240.34 249.46796 (12112917)
411227.04 3723240.34 255.11702 (12112917) 411247.04
3723240.34 260.54480 (12121217)
411267.04 3723240.34 268.85136 (12121217) 411287.04
3723240.34 272.06921 (12121217)
411307.04 3723240.34 280.20452 (14111717) 411327.04
3723240.34 287.27987 (14111717)
411347.04 3723240.34 288.02659 (14111717) 411367.04
3723240.34 282.06446 (14111717)
411387.04 3723240.34 287.70083 (15121017) 411407.04
3723240.34 289.69196 (15121017)
410707.04 3723260.34 85.65250 (13012117) 410727.04
3723260.34 91.31843 (13012117)
410747.04 3723260.34 97.16382 (13012117) 410767.04
3723260.34 103.15229 (13012117)
410787.04 3723260.34 109.23556 (13012117) 410807.04

3723260.34   115.38140 (13012117)
        410827.04   3723260.34   121.52862 (13012117)   410847.04
3723260.34   128.04317 (13012117)
        410867.04   3723260.34   134.23924 (13012117)   410887.04
3723260.34   140.29139 (13012117)
        410907.04   3723260.34   145.95218 (13012117)   410927.04
3723260.34   151.93102 (13012117)
        410947.04   3723260.34   157.38932 (13012117)   410967.04
3723260.34   162.33041 (13012117)
        410987.04   3723260.34   166.61146 (13012117)   411007.04
3723260.34   170.87480 (13012117)
        411027.04   3723260.34   174.12540 (13012117)   411047.04
3723260.34   176.34668 (13012117)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2   ***
                                   INCLUDING SOURCE(S):   L0000145   , L0000146
, L0000147   , L0000148   , L0000149   ,
                L0000150   , L0000151   , L0000152   , L0000153   , L0000154
, L0000155   , L0000156   , L0000157   ,
                L0000158   , L0000159   , L0000160   , L0000161   , L0000162
, L0000163   , L0000164   , L0000165   ,
                L0000166   , L0000167   , L0000168   , L0000169   , L0000170
, L0000171   , L0000172   , . . .   ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10   IN MICROGRAMS/M**3
                **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        411067.04   3723260.34   177.73944 (13012117)   411087.04
3723260.34   178.41625 (13012117)
        411107.04   3723260.34   190.79913 (12112917)   411127.04
3723260.34   203.09481 (12112917)
        411147.04   3723260.34   215.26137 (12112917)   411167.04
3723260.34   226.00166 (12112917)
        411187.04   3723260.34   234.86319 (12112917)   411207.04
3723260.34   241.01066 (12112917)

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        411227.04   3723260.34      244.91410  (12112917)              411247.04
3723260.34      251.38950  (12121217)
        411267.04   3723260.34      258.16732  (12121217)              411287.04
3723260.34      260.14421  (12121217)
        411307.04   3723260.34      268.15551  (14111717)              411327.04
3723260.34      274.28689  (14111717)
        411347.04   3723260.34      274.68237  (14111717)              411367.04
3723260.34      268.83769  (14111717)
        411387.04   3723260.34      273.29829  (15121017)              411407.04
3723260.34      275.10600  (15121017)
        410707.04   3723280.34       87.44672  (13012117)              410727.04
3723280.34       92.94758  (13012117)
        410747.04   3723280.34       98.69754  (13012117)              410767.04
3723280.34      104.39334  (13012117)
        410787.04   3723280.34      110.29097  (13012117)              410807.04
3723280.34      116.25211  (13012117)
        410827.04   3723280.34      121.93825  (13012117)              410847.04
3723280.34      128.02589  (13012117)
        410867.04   3723280.34      133.83800  (13012117)              410887.04
3723280.34      139.41868  (13012117)
        410907.04   3723280.34      144.59668  (13012117)              410927.04
3723280.34      149.94550  (13012117)
        410947.04   3723280.34      154.81091  (13012117)              410967.04
3723280.34      159.00831  (13012117)
        410987.04   3723280.34      162.62604  (13012117)              411007.04
3723280.34      166.08424  (13012117)
        411027.04   3723280.34      168.48142  (13012117)              411047.04
3723280.34      169.78771  (13012117)
        411067.04   3723280.34      170.15799  (13012117)              411087.04
3723280.34      176.17521  (12112917)
        411107.04   3723280.34      188.46659  (12112917)              411127.04
3723280.34      199.91443  (12112917)
        411147.04   3723280.34      210.49261  (12112917)              411167.04
3723280.34      220.22467  (12112917)
        411187.04   3723280.34      227.74020  (12112917)              411207.04
3723280.34      232.45137  (12112917)
        411227.04   3723280.34      234.97062  (12112917)              411247.04
3723280.34      242.51843  (12121217)
        411267.04   3723280.34      247.86548  (12121217)              411287.04
3723280.34      248.90692  (12121217)
        411307.04   3723280.34      256.99219  (14111717)              411327.04
3723280.34      262.41422  (14111717)
        411347.04   3723280.34      262.22689  (14111717)              411367.04
3723280.34      256.96352  (14111717)
        411387.04   3723280.34      259.85019  (15121017)              411407.04
3723280.34      262.47295  (15121017)
        410707.04   3723300.34       89.02632  (13012117)              410727.04
3723300.34       94.37584  (13012117)
        410747.04   3723300.34       99.94056  (13012117)              410767.04
3723300.34      105.39860  (13012117)
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SRCGP2 ***
INCLUDING SOURCE(S): L0000145 , L0000146 , L0000147 , L0000148 , L0000149 ,
L0000150 , L0000151 , L0000152 , L0000153 , L0000154 , L0000155 , L0000156 , L0000157 ,
L0000158 , L0000159 , L0000160 , L0000161 , L0000162 , L0000163 , L0000164 , L0000165 ,
L0000166 , L0000167 , L0000168 , L0000169 , L0000170 , L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)

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- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        411227.04   3723300.34      225.56399  (12121217)                411247.04
3723300.34      233.18133  (12121217)
        411267.04   3723300.34      237.52086  (12121217)                411287.04
3723300.34      238.31008  (12121217)
        411307.04   3723300.34      246.03906  (14111717)                411327.04
3723300.34      251.07566  (14111717)
        411347.04   3723300.34      251.07901  (14111717)                411367.04
3723300.34      246.19913  (14111717)
        411387.04   3723300.34      248.45289  (15121017)                411407.04
3723300.34      251.21714  (15121017)
        411427.04   3723300.34      252.71425  (15120717)                411447.04
3723300.34      255.44304  (15120717)
        410707.04   3723320.34       90.41683  (13012117)                410727.04
3723320.34       95.59409  (13012117)
        410747.04   3723320.34      100.99317  (13012117)                410767.04
3723320.34      106.18682  (13012117)
        410787.04   3723320.34      111.56883  (13012117)                410807.04
3723320.34      116.90826  (13012117)
        410827.04   3723320.34      121.91940  (13012117)                410847.04
3723320.34      127.21770  (13012117)
        410867.04   3723320.34      132.17720  (13012117)                410887.04
3723320.34      136.77937  (13012117)
        410907.04   3723320.34      141.00094  (13012117)                410927.04
3723320.34      145.04191  (13012117)
        410947.04   3723320.34      148.51293  (13012117)                410967.04
3723320.34      151.42949  (13012117)
        410987.04   3723320.34      153.67970  (13012117)                411007.04
3723320.34      155.54125  (13012117)
        411027.04   3723320.34      156.32868  (13012117)                411047.04
3723320.34      156.00073  (13012117)
        411067.04   3723320.34      161.20055  (12112917)                411087.04
3723320.34      172.43493  (12112917)
        411107.04   3723320.34      182.46931  (12112917)                411127.04
3723320.34      191.98199  (12112917)
        411147.04   3723320.34      200.75864  (12112917)                411167.04
3723320.34      207.94800  (12112917)
        411187.04   3723320.34      213.31793  (12112917)                411207.04
3723320.34      215.75977  (12112917)
        411227.04   3723320.34      218.75515  (12121217)                411247.04
3723320.34      225.17434  (12121217)
        411267.04   3723320.34      228.72981  (12121217)                411287.04
3723320.34      229.43023  (14111717)
        411307.04   3723320.34      236.36322  (14111717)                411327.04
3723320.34      240.24325  (14111717)
        411347.04   3723320.34      240.43779  (14111717)                411367.04
3723320.34      235.84317  (14111717)
        411387.04   3723320.34      238.23818  (15121017)                411407.04
3723320.34      240.54445  (15121017)
        411427.04   3723320.34      240.13560  (15120717)                411447.04
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3723320.34      243.94910  (15120717)
        411467.04   3723320.34      242.70054  (15120717)                411487.04
3723320.34      239.08301  (13122717)
        410707.04   3723340.34       91.62905  (13012117)                410727.04
3723340.34       96.62642  (13012117)
        410747.04   3723340.34      101.80847  (13012117)                410767.04
3723340.34      106.74667  (13012117)
        410787.04   3723340.34      111.82908  (13012117)                410807.04
3723340.34      116.84589  (13012117)
        410827.04   3723340.34      121.50987  (13012117)                410847.04
3723340.34      126.37719  (13012117)
        410867.04   3723340.34      130.89747  (13012117)                410887.04
3723340.34      135.05575  (13012117)
        410907.04   3723340.34      138.85520  (13012117)                410927.04
3723340.34      142.25581  (13012117)
        410947.04   3723340.34      145.11281  (13012117)                410967.04
3723340.34      147.33089  (13012117)
        410987.04   3723340.34      148.81671  (13012117)                411007.04
3723340.34      149.96090  (13012117)
        411027.04   3723340.34      149.98723  (13012117)                411047.04
3723340.34      149.35715  (12112917)
        411067.04   3723340.34      159.76070  (12112917)                411087.04
3723340.34      170.22631  (12112917)
        411107.04   3723340.34      179.61728  (12112917)                411127.04
3723340.34      188.34667  (12112917)
        411147.04   3723340.34      195.74017  (12112917)                411167.04
3723340.34      201.83305  (12112917)
        411187.04   3723340.34      206.29833  (12112917)                411207.04
3723340.34      207.97559  (12112917)
        411227.04   3723340.34      212.19981  (12121217)                411247.04
3723340.34      217.46828  (12121217)
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                         ***        16:48:31

                                    PAGE 546
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SRCGP2   ***
                                    INCLUDING SOURCE(S):     L0000145    , L0000146
, L0000147    , L0000148    , L0000149    ,
                 L0000150    , L0000151    , L0000152    , L0000153    , L0000154
, L0000155    , L0000156    , L0000157    ,
                 L0000158    , L0000159    , L0000160    , L0000161    , L0000162
, L0000163    , L0000164    , L0000165    ,
                 L0000166    , L0000167    , L0000168    , L0000169    , L0000170
, L0000171    , L0000172    ,  . . .      ,
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
411267.04	3723340.34	220.15359	(12121217)	411287.04	3723340.34	221.24820	(14111717)
411307.04	3723340.34	227.53387	(14111717)	411327.04	3723340.34	230.26408	(14111717)
411347.04	3723340.34	230.43548	(14111717)	411367.04	3723340.34	226.35415	(14111717)
411387.04	3723340.34	228.18242	(15121017)	411407.04	3723340.34	231.11447	(15121017)
411427.04	3723340.34	229.53701	(15121017)	411447.04	3723340.34	233.17495	(15120717)
411467.04	3723340.34	233.20453	(15120717)	411487.04	3723340.34	228.91558	(15120717)
410707.04	3723360.34	92.65636	(13012117)	410727.04	3723360.34	97.46184	(13012117)
410747.04	3723360.34	102.39093	(13012117)	410767.04	3723360.34	107.07518	(13012117)
410787.04	3723360.34	111.84662	(13012117)	410807.04	3723360.34	116.51437	(13012117)
410827.04	3723360.34	120.81669	(13012117)	410847.04	3723360.34	125.24163	(13012117)
410867.04	3723360.34	129.29336	(13012117)	410887.04	3723360.34	132.98342	(13012117)
410907.04	3723360.34	136.25534	(13012117)	410927.04	3723360.34	139.07922	(13012117)
410947.04	3723360.34	141.34214	(13012117)	410967.04	3723360.34	142.88365	(13012117)
410987.04	3723360.34	143.77741	(13012117)	411007.04	3723360.34	144.24061	(13012117)
411027.04	3723360.34	143.60571	(13012117)	411047.04	3723360.34	148.36169	(12112917)
411067.04	3723360.34	158.15087	(12112917)	411087.04	3723360.34	167.83462	(12112917)
411107.04	3723360.34	176.45944	(12112917)	411127.04	3723360.34	184.12092	(12112917)
411147.04	3723360.34	190.57080	(12112917)	411167.04	3723360.34	195.63622	(12112917)
411187.04	3723360.34	199.11194	(12112917)	411207.04	3723360.34	199.95935	(12112917)
411227.04	3723360.34	205.34108	(12121217)	411247.04	3723360.34	209.87344	(12121217)

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        411267.04   3723360.34      211.68541  (12121217)                411287.04
3723360.34      213.13890  (14111717)
        411307.04   3723360.34      218.93688  (14111717)                411327.04
3723360.34      221.20898  (14111717)
        411347.04   3723360.34      220.97874  (14111717)                411367.04
3723360.34      217.11554  (14111717)
        411387.04   3723360.34      218.71730  (15121017)                411407.04
3723360.34      221.82726  (15121017)
        411427.04   3723360.34      220.80185  (15121017)                411447.04
3723360.34      223.03602  (15120717)
        411467.04   3723360.34      223.57679  (15120717)                411487.04
3723360.34      220.45702  (15120717)
        410707.04   3723380.34       93.52202  (13012117)                410727.04
3723380.34       98.09371  (13012117)
        410747.04   3723380.34      102.78210  (13012117)                410767.04
3723380.34      107.18320  (13012117)
        410787.04   3723380.34      111.64393  (13012117)                410807.04
3723380.34      115.91832  (13012117)
        410827.04   3723380.34      119.89600  (13012117)                410847.04
3723380.34      123.73802  (13012117)
        410867.04   3723380.34      127.28305  (13012117)                410887.04
3723380.34      130.44359  (13012117)
        410907.04   3723380.34      133.19736  (13012117)                410927.04
3723380.34      135.44173  (13012117)
        410947.04   3723380.34      137.12663  (13012117)                410967.04
3723380.34      138.18056  (13012117)
        410987.04   3723380.34      138.58575  (13012117)                411007.04
3723380.34      138.41008  (13012117)
        411027.04   3723380.34      137.79776  (12112917)                411047.04
3723380.34      147.16246  (12112917)
        411067.04   3723380.34      156.32085  (12112917)                411087.04
3723380.34      165.31339  (12112917)
        411107.04   3723380.34      173.16776  (12112917)                411127.04
3723380.34      179.84834  (12112917)
        411147.04   3723380.34      185.60509  (12112917)                411167.04
3723380.34      189.97311  (12112917)
        411187.04   3723380.34      191.98109  (12112917)                411207.04
3723380.34      192.50662  (12121217)
        411227.04   3723380.34      198.40999  (12121217)                411247.04
3723380.34      202.13368  (12121217)
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                         ***        16:48:31

                                    PAGE 547
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SRCGP2   ***
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                                  INCLUDING SOURCE(S):     L0000145    , L0000146
, L0000147    , L0000148    , L0000149    ,
                 L0000150    , L0000151    , L0000152    , L0000153    , L0000154
, L0000155    , L0000156    , L0000157    ,
                 L0000158    , L0000159    , L0000160    , L0000161    , L0000162
, L0000163    , L0000164    , L0000165    ,
                 L0000166    , L0000167    , L0000168    , L0000169    , L0000170
, L0000171    , L0000172    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        411267.04   3723380.34      203.33800  (12121217)                411287.04
3723380.34      205.19789  (14111717)
        411307.04   3723380.34      210.36448  (14111717)                411327.04
3723380.34      212.59790  (14111717)
        411347.04   3723380.34      211.92688  (14111717)                411367.04
3723380.34      208.11540  (14111717)
        411387.04   3723380.34      209.30823  (15121017)                411407.04
3723380.34      212.43752  (15121017)
        411427.04   3723380.34      212.28023  (15121017)                411447.04
3723380.34      212.99846  (15120717)
        411467.04   3723380.34      214.28352  (15120717)                411487.04
3723380.34      212.46258  (15120717)
        411507.04   3723380.34      210.66060  (16110817)                411527.04
3723380.34      210.49654  (16110817)
        411547.04   3723380.34      207.38116  (16110817)                411567.04
3723380.34      205.44936  (14111817)
        411587.04   3723380.34      201.57188  (14111817)                411607.04
3723380.34      198.98776  (14102417)
        410707.04   3723400.34       94.20128  (13012117)                410727.04
3723400.34       98.52214  (13012117)
        410747.04   3723400.34      102.95855  (13012117)                410767.04
3723400.34      107.05736  (13012117)
        410787.04   3723400.34      111.18508  (13012117)                410807.04
3723400.34      115.15460  (13012117)
        410827.04   3723400.34      118.80585  (13012117)                410847.04
3723400.34      122.23758  (13012117)
        410867.04   3723400.34      125.33007  (13012117)                410887.04
3723400.34      128.00361  (13012117)
        410907.04   3723400.34      130.24482  (13012117)                410927.04
3723400.34      131.96036  (13012117)
        410947.04   3723400.34      133.10447  (13012117)                410967.04
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3723400.34      133.56476  (13012117)
        410987.04   3723400.34      133.30983  (13012117)                411007.04
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        411027.04   3723400.34      137.03008  (12112917)                411047.04
3723400.34      145.92958  (12112917)
        411067.04   3723400.34      154.50264  (12112917)                411087.04
3723400.34      162.64039  (12112917)
        411107.04   3723400.34      169.58931  (12112917)                411127.04
3723400.34      175.58596  (12112917)
        411147.04   3723400.34      180.39218  (12112917)                411167.04
3723400.34      183.89410  (12112917)
        411187.04   3723400.34      185.51255  (12112917)                411207.04
3723400.34      187.26522  (12121217)
        411227.04   3723400.34      192.46112  (12121217)                411247.04
3723400.34      195.47514  (12121217)
        411267.04   3723400.34      196.14517  (12121217)                411287.04
3723400.34      198.40846  (14111717)
        411307.04   3723400.34      203.10222  (14111717)                411327.04
3723400.34      205.11648  (14111717)
        411347.04   3723400.34      204.32560  (14111717)                411367.04
3723400.34      200.60423  (14111717)
        411387.04   3723400.34      201.42796  (15121017)                411407.04
3723400.34      204.52179  (15121017)
        411427.04   3723400.34      204.76786  (15121017)                411447.04
3723400.34      204.41820  (15120717)
        411467.04   3723400.34      206.21761  (15120717)                411487.04
3723400.34      205.16967  (15120717)
        411507.04   3723400.34      201.89152  (16110817)                411527.04
3723400.34      202.65192  (16110817)
        411547.04   3723400.34      200.31564  (16110817)                411567.04
3723400.34      197.79923  (14111817)
        411587.04   3723400.34      195.65042  (14111817)                411607.04
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        410707.04   3723420.34       94.65487  (13012117)                410727.04
3723420.34       98.73471  (13012117)
        410747.04   3723420.34      102.88050  (13012117)                410767.04
3723420.34      106.70447  (13012117)
        410787.04   3723420.34      110.53142  (13012117)                410807.04
3723420.34      114.16047  (13012117)
        410827.04   3723420.34      117.43249  (13012117)                410847.04
3723420.34      120.46359  (13012117)
        410867.04   3723420.34      123.07050  (13012117)                410887.04
3723420.34      125.24294  (13012117)
        410907.04   3723420.34      126.95191  (13012117)                410927.04
3723420.34      128.18110  (13012117)
        410947.04   3723420.34      128.85688  (13012117)                410967.04
3723420.34      128.79675  (13012117)
        410987.04   3723420.34      127.98472  (13012117)                411007.04
3723420.34      127.38475  (12112917)
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
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 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2   ***
                                    INCLUDING SOURCE(S):   L0000145   , L0000146
, L0000147   , L0000148   , L0000149   ,
                  L0000150   , L0000151   , L0000152   , L0000153   , L0000154
, L0000155   , L0000156   , L0000157   ,
                  L0000158   , L0000159   , L0000160   , L0000161   , L0000162
, L0000163   , L0000164   , L0000165   ,
                  L0000166   , L0000167   , L0000168   , L0000169   , L0000170
, L0000171   , L0000172   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        411027.04   3723420.34   136.02278 (12112917)   411047.04
3723420.34   144.36527 (12112917)
        411067.04   3723420.34   152.27768 (12112917)   411087.04
3723420.34   159.70944 (12112917)
        411107.04   3723420.34   165.94103 (12112917)   411127.04
3723420.34   171.15845 (12112917)
        411147.04   3723420.34   175.13041 (12112917)   411167.04
3723420.34   177.84169 (12112917)
        411187.04   3723420.34   178.81513 (12112917)   411207.04
3723420.34   181.72184 (12121217)
        411227.04   3723420.34   186.16467 (12121217)   411247.04
3723420.34   188.52728 (12121217)
        411267.04   3723420.34   188.69421 (12121217)   411287.04
3723420.34   191.40535 (14111717)
        411307.04   3723420.34   195.59623 (14111717)   411327.04
3723420.34   197.32265 (14111717)
        411347.04   3723420.34   196.40395 (14111717)   411367.04
3723420.34   192.83676 (14111717)
        411387.04   3723420.34   193.31995 (15121017)   411407.04
3723420.34   196.37574 (15121017)
        411427.04   3723420.34   196.91224 (15121017)   411447.04
3723420.34   195.64153 (15120717)

411467.04 3723420.34 197.82543 (15120717) 411487.04 3723420.34 197.36671 (15120717)
411507.04 3723420.34 194.27476 (15120717) 411527.04 3723420.34 195.04508 (16110817)
411547.04 3723420.34 193.66158 (16110817) 411567.04 3723420.34 190.40772 (14111817)
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410707.04 3723440.34 94.87402 (13012117) 410727.04 3723440.34 98.76818 (13012117)
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410787.04 3723440.34 109.65453 (13012117) 410807.04 3723440.34 112.90163 (13012117)
410827.04 3723440.34 115.71407 (13012117) 410847.04 3723440.34 118.40362 (13012117)
410867.04 3723440.34 120.54362 (13012117) 410887.04 3723440.34 122.14596 (13012117)
410907.04 3723440.34 123.34664 (13012117) 410927.04 3723440.34 124.22832 (13012117)
410947.04 3723440.34 124.44252 (13012117) 410967.04 3723440.34 123.89013 (13012117)
410987.04 3723440.34 122.63233 (13012117) 411007.04 3723440.34 126.75207 (12112917)
411027.04 3723440.34 134.72863 (12112917) 411047.04 3723440.34 142.31837 (12112917)
411067.04 3723440.34 149.62059 (12112917) 411087.04 3723440.34 156.52910 (12112917)
411107.04 3723440.34 162.28058 (12112917) 411127.04 3723440.34 166.67571 (12112917)
411147.04 3723440.34 169.95046 (12112917) 411167.04 3723440.34 172.07719 (12112917)
411187.04 3723440.34 172.19036 (12112917) 411207.04 3723440.34 176.29770 (12121217)
411227.04 3723440.34 180.10187 (12121217) 411247.04 3723440.34 181.95931 (12121217)
411267.04 3723440.34 181.79318 (12121217) 411287.04 3723440.34 184.81262 (14111717)
411307.04 3723440.34 188.41490 (14111717) 411327.04 3723440.34 189.96167 (14111717)
411347.04 3723440.34 189.07134 (14111717) 411367.04 3723440.34 185.67231 (14111717)
411387.04 3723440.34 185.70776 (15121017) 411407.04 3723440.34 188.96256 (15121017)
411427.04 3723440.34 189.50466 (15121017) 411447.04 3723440.34 187.82573 (15121017)
411467.04 3723440.34 189.78649 (15120717) 411487.04 3723440.34 190.19240 (15120717)
411507.04 3723440.34 188.04440 (15120717) 411527.04 3723440.34 187.67043 (16110817)

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SRCGP2 ***
INCLUDING SOURCE(S): L0000145 , L0000146 , L0000147 , L0000148 , L0000149 ,
L0000150 , L0000151 , L0000152 , L0000153 , L0000154 , L0000155 , L0000156 , L0000157 ,
L0000158 , L0000159 , L0000160 , L0000161 , L0000162 , L0000163 , L0000164 , L0000165 ,
L0000166 , L0000167 , L0000168 , L0000169 , L0000170 , L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
410787.04	3723460.34	108.51213	(13012117)	410807.04	3723460.34	111.41512	(13012117)
410827.04	3723460.34	113.82397	(13012117)	410847.04	3723460.34	116.11493	(13012117)
410867.04	3723460.34	117.82596	(13012117)	410887.04	3723460.34	119.02666	(13012117)
410907.04	3723460.34	119.74863	(13012117)	410927.04	3723460.34	120.18331	(13012117)
410947.04	3723460.34	119.93430	(13012117)	410967.04	3723460.34	118.94254	(13012117)
410987.04	3723460.34	117.85705	(12112917)	411007.04	3723460.34	125.96916	(12112917)
411027.04	3723460.34	133.49948	(12112917)	411047.04			

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3723460.34      140.59016  (12112917)
        411067.04   3723460.34      147.30872  (12112917)              411087.04
3723460.34      153.51426  (12112917)
        411107.04   3723460.34      158.66471  (12112917)              411127.04
3723460.34      162.41026  (12112917)
        411147.04   3723460.34      165.06486  (12112917)              411167.04
3723460.34      166.50429  (12112917)
        411187.04   3723460.34      166.29492  (12121217)              411207.04
3723460.34      171.55487  (12121217)
        411227.04   3723460.34      174.79243  (12121217)              411247.04
3723460.34      176.25314  (12121217)
        411267.04   3723460.34      175.75078  (12121217)              411287.04
3723460.34      179.07554  (14111717)
        411307.04   3723460.34      181.97640  (14111717)              411327.04
3723460.34      183.54587  (14111717)
        411347.04   3723460.34      182.71989  (14111717)              411367.04
3723460.34      179.47692  (14111717)
        411387.04   3723460.34      179.16472  (15121017)              411407.04
3723460.34      182.42296  (15121017)
        411427.04   3723460.34      182.90455  (15121017)              411447.04
3723460.34      181.59532  (15121017)
        411467.04   3723460.34      182.70976  (15120717)              411487.04
3723460.34      183.73441  (15120717)
        411507.04   3723460.34      182.03369  (15120717)              411527.04
3723460.34      180.58651  (16110817)
        411547.04   3723460.34      180.91866  (16110817)              411567.04
3723460.34      178.67398  (16110817)
        411587.04   3723460.34      176.97975  (14111817)              411607.04
3723460.34      175.04093  (14111817)
        410707.04   3723480.34       94.83171  (13012117)              410727.04
3723480.34       98.18862  (13012117)
        410747.04   3723480.34      101.40797  (13012117)              410767.04
3723480.34      104.37905  (13012117)
        410787.04   3723480.34      107.20048  (13012117)              410807.04
3723480.34      109.72061  (13012117)
        410827.04   3723480.34      111.74755  (13012117)              410847.04
3723480.34      113.66164  (13012117)
        410867.04   3723480.34      114.96531  (13012117)              410887.04
3723480.34      115.73899  (13012117)
        410907.04   3723480.34      116.04541  (13012117)              410927.04
3723480.34      116.06358  (13012117)
        410947.04   3723480.34      115.40267  (13012117)              410967.04
3723480.34      114.01931  (13012117)
        410987.04   3723480.34      117.36511  (12112917)              411007.04
3723480.34      125.05351  (12112917)
        411027.04   3723480.34      132.10732  (12112917)              411047.04
3723480.34      138.68688  (12112917)
        411067.04   3723480.34      144.83884  (12112917)              411087.04
3723480.34      150.50081  (12112917)
        411107.04   3723480.34      155.04364  (12112917)              411127.04
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3723480.34   158.16350 (12112917)
        411147.04   3723480.34   160.23123 (12112917)   411167.04
3723480.34   161.12576 (12112917)
        411187.04   3723480.34   162.02345 (12121217)   411207.04
3723480.34   166.68539 (12121217)
        411227.04   3723480.34   169.43920 (12121217)   411247.04
3723480.34   170.46478 (12121217)
        411267.04   3723480.34   169.67892 (12121217)   411287.04
3723480.34   173.36815 (14111717)
        411307.04   3723480.34   175.99169 (14111717)   411327.04
3723480.34   177.33558 (14111717)
        411347.04   3723480.34   176.52269 (14111717)   411367.04
3723480.34   173.45828 (14111717)
        411387.04   3723480.34   172.73599 (15121017)   411407.04
3723480.34   175.94138 (15121017)
        411427.04   3723480.34   176.66048 (15121017)   411447.04
3723480.34   175.70604 (15121017)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2   ***
                                  INCLUDING SOURCE(S):   L0000145   , L0000146
, L0000147   , L0000148   , L0000149   ,
                  L0000150   , L0000151   , L0000152   , L0000153   , L0000154
, L0000155   , L0000156   , L0000157   ,
                  L0000158   , L0000159   , L0000160   , L0000161   , L0000162
, L0000163   , L0000164   , L0000165   ,
                  L0000166   , L0000167   , L0000168   , L0000169   , L0000170
, L0000171   , L0000172   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        411467.04   3723480.34   175.93095 (15120717)   411487.04
3723480.34   177.30279 (15120717)
        411507.04   3723480.34   176.25522 (15120717)   411527.04
3723480.34   173.86244 (16110817)

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        411547.04   3723480.34      174.77917  (16110817)                411567.04
3723480.34      173.26852  (16110817)
        411587.04   3723480.34      170.77441  (16110817)                411607.04
3723480.34      169.96484  (14111817)
        410707.04   3723500.34       94.58560  (13012117)                410727.04
3723500.34       97.69577  (13012117)
        410747.04   3723500.34      100.59666  (13012117)                410767.04
3723500.34      103.21381  (13012117)
        410787.04   3723500.34      105.68767  (13012117)                410807.04
3723500.34      107.84290  (13012117)
        410827.04   3723500.34      109.51223  (13012117)                410847.04
3723500.34      111.01558  (13012117)
        410867.04   3723500.34      111.95265  (13012117)                410887.04
3723500.34      112.34118  (13012117)
        410907.04   3723500.34      112.27499  (13012117)                410927.04
3723500.34      111.91083  (13012117)
        410947.04   3723500.34      110.87633  (13012117)                410967.04
3723500.34      109.59601  (12112917)
        410987.04   3723500.34      116.76013  (12112917)                411007.04
3723500.34      123.99309  (12112917)
        411027.04   3723500.34      130.64470  (12112917)                411047.04
3723500.34      136.70732  (12112917)
        411067.04   3723500.34      142.32400  (12112917)                411087.04
3723500.34      147.40497  (12112917)
        411107.04   3723500.34      151.33768  (12112917)                411127.04
3723500.34      153.92583  (12112917)
        411147.04   3723500.34      155.46704  (12112917)                411167.04
3723500.34      155.89602  (12112917)
        411187.04   3723500.34      157.85905  (12121217)                411207.04
3723500.34      161.99571  (12121217)
        411227.04   3723500.34      164.26650  (12121217)                411247.04
3723500.34      164.91554  (12121217)
        411267.04   3723500.34      163.86254  (12121217)                411287.04
3723500.34      167.91590  (14111717)
        411307.04   3723500.34      170.35919  (14111717)                411327.04
3723500.34      171.48929  (14111717)
        411347.04   3723500.34      170.63428  (14111717)                411367.04
3723500.34      167.56583  (14111717)
        411387.04   3723500.34      166.55967  (15121017)                411407.04
3723500.34      169.85856  (15121017)
        411427.04   3723500.34      170.77615  (15121017)                411447.04
3723500.34      170.13248  (15121017)
        411467.04   3723500.34      169.54234  (15120717)                411487.04
3723500.34      171.20295  (15120717)
        411507.04   3723500.34      170.57324  (15120717)                411527.04
3723500.34      167.93836  (15120717)
        411547.04   3723500.34      168.75201  (16110817)                411567.04
3723500.34      168.04359  (16110817)
        411587.04   3723500.34      165.89376  (16110817)                411607.04
3723500.34      164.87155  (14111817)
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        410707.04   3723520.34       94.09472  (13012117)                410727.04
3723520.34       96.92521  (13012117)
        410747.04   3723520.34       99.53884  (13012117)                410767.04
3723520.34      101.86167  (13012117)
        410787.04   3723520.34      103.99935  (13012117)                410807.04
3723520.34      105.81577  (13012117)
        410827.04   3723520.34      107.12654  (13012117)                410847.04
3723520.34      108.27440  (13012117)
        410867.04   3723520.34      108.82970  (13012117)                410887.04
3723520.34      108.86498  (13012117)
        410907.04   3723520.34      108.44118  (13012117)                410927.04
3723520.34      107.72582  (13012117)
        410947.04   3723520.34      106.36453  (13012117)                410967.04
3723520.34      109.25603  (12112917)
        410987.04   3723520.34      116.02316  (12112917)                411007.04
3723520.34      122.84912  (12112917)
        411027.04   3723520.34      129.03038  (12112917)                411047.04
3723520.34      134.63067  (12112917)
        411067.04   3723520.34      139.71864  (12112917)                411087.04
3723520.34      144.23620  (12112917)
        411107.04   3723520.34      147.65734  (12112917)                411127.04
3723520.34      149.75912  (12112917)
        411147.04   3723520.34      150.81829  (12112917)                411167.04
3723520.34      150.80870  (12112917)
        411187.04   3723520.34      153.82396  (12121217)                411207.04
3723520.34      157.45279  (12121217)
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                         ***        16:48:31

                                    PAGE 551
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SRCGP2   ***
                                    INCLUDING SOURCE(S):     L0000145    , L0000146
, L0000147    , L0000148    , L0000149    ,
                  L0000150    , L0000151    , L0000152    , L0000153    , L0000154
, L0000155    , L0000156    , L0000157    ,
                  L0000158    , L0000159    , L0000160    , L0000161    , L0000162
, L0000163    , L0000164    , L0000165    ,
                  L0000166    , L0000167    , L0000168    , L0000169    , L0000170
, L0000171    , L0000172    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                              ** CONC OF PM_10    IN MICROGRAMS/M**3
                    **
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X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
411227.04	3723520.34	159.41805	(12121217)	411247.04	3723520.34	159.65195	(12121217)
411267.04	3723520.34	158.70093	(14111717)	411287.04	3723520.34	162.75152	(14111717)
411307.04	3723520.34	165.21124	(14111717)	411327.04	3723520.34	166.05303	(14111717)
411347.04	3723520.34	165.00880	(14111717)	411367.04	3723520.34	162.10824	(14111717)
411387.04	3723520.34	160.79015	(15121017)	411407.04	3723520.34	164.26362	(15121017)
411427.04	3723520.34	165.50672	(15121017)	411447.04	3723520.34	165.37151	(15121017)
411467.04	3723520.34	163.86992	(15120717)	411487.04	3723520.34	165.72687	(15120717)
411507.04	3723520.34	165.65839	(15120717)	411527.04	3723520.34	163.29388	(15120717)
411547.04	3723520.34	162.88609	(16110817)	411567.04	3723520.34	162.93102	(16110817)
411587.04	3723520.34	161.15824	(16110817)	411607.04	3723520.34	159.65269	(14111817)
410707.04	3723540.34	93.38297	(13012117)	410727.04	3723540.34	95.93189	(13012117)
410747.04	3723540.34	98.26351	(13012117)	410767.04	3723540.34	100.34157	(13012117)
410787.04	3723540.34	102.16056	(13012117)	410807.04	3723540.34	103.63847	(13012117)
410827.04	3723540.34	104.62066	(13012117)	410847.04	3723540.34	105.40357	(13012117)
410867.04	3723540.34	105.63214	(13012117)	410887.04	3723540.34	105.32886	(13012117)
410907.04	3723540.34	104.59093	(13012117)	410927.04	3723540.34	103.55938	(13012117)
410947.04	3723540.34	102.18995	(12112917)	410967.04	3723540.34	108.74584	(12112917)
410987.04	3723540.34	115.17118	(12112917)	411007.04	3723540.34	121.58889	(12112917)
411027.04	3723540.34	127.35808	(12112917)	411047.04	3723540.34	132.47664	(12112917)
411067.04	3723540.34	137.09536	(12112917)	411087.04	3723540.34	141.09393	(12112917)
411107.04	3723540.34	144.01951	(12112917)	411127.04	3723540.34	145.64220	(12112917)
411147.04	3723540.34	146.30316	(12112917)	411167.04	3723540.34	145.91509	(12112917)
411187.04	3723540.34	149.85147	(12121217)	411207.04			

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3723540.34      153.06193  (12121217)
        411227.04   3723540.34      154.53637  (12121217)                411247.04
3723540.34      154.59872  (12121217)
        411267.04   3723540.34      154.13661  (14111717)                411287.04
3723540.34      157.83636  (14111717)
        411307.04   3723540.34      159.89827  (14111717)                411327.04
3723540.34      160.70012  (14111717)
        411347.04   3723540.34      159.72163  (14111717)                411367.04
3723540.34      156.97188  (14111717)
        411387.04   3723540.34      155.41237  (15121017)                411407.04
3723540.34      158.64965  (15121017)
        411427.04   3723540.34      159.88056  (15121017)                411447.04
3723540.34      159.75628  (15121017)
        411467.04   3723540.34      157.99700  (15121017)                411487.04
3723540.34      159.81889  (15120717)
        411507.04   3723540.34      160.03789  (15120717)                411527.04
3723540.34      158.37477  (15120717)
        411547.04   3723540.34      157.24724  (16110817)                411567.04
3723540.34      157.87012  (16110817)
        411587.04   3723540.34      156.58108  (16110817)                411607.04
3723540.34      154.74339  (16110817)
        410707.04   3723560.34       92.66155  (13012117)                410727.04
3723560.34       94.92688  (13012117)
        410747.04   3723560.34       96.97205  (13012117)                410767.04
3723560.34       98.68986  (13012117)
        410787.04   3723560.34      100.16994  (13012117)                410807.04
3723560.34      101.31700  (13012117)
        410827.04   3723560.34      101.98719  (13012117)                410847.04
3723560.34      102.44417  (13012117)
        410867.04   3723560.34      102.33905  (13012117)                410887.04
3723560.34      101.76358  (13012117)
        410907.04   3723560.34      100.72897  (13012117)                410927.04
3723560.34       99.41221  (13012117)
        410947.04   3723560.34      101.94708  (12112917)                410967.04
3723560.34      108.16659  (12112917)
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                         ***        16:48:31

                                    PAGE 552
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SRCGP2   ***
                                    INCLUDING SOURCE(S):     L0000145    , L0000146
, L0000147    , L0000148    , L0000149    ,
                  L0000150    , L0000151    , L0000152    , L0000153    , L0000154
, L0000155    , L0000156    , L0000157    ,
                  L0000158    , L0000159    , L0000160    , L0000161    , L0000162
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, L0000163    , L0000164    , L0000165    ,
                L0000166    , L0000167    , L0000168    , L0000169    , L0000170
, L0000171    , L0000172    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        410987.04   3723560.34      114.22527  (12112917)               411007.04
3723560.34      120.23535  (12112917)
        411027.04   3723560.34      125.56548  (12112917)               411047.04
3723560.34      130.27350  (12112917)
        411067.04   3723560.34      134.41105  (12112917)               411087.04
3723560.34      137.92452  (12112917)
        411107.04   3723560.34      140.40187  (12112917)               411127.04
3723560.34      141.62053  (12112917)
        411147.04   3723560.34      141.87762  (12112917)               411167.04
3723560.34      142.19053  (12121217)
        411187.04   3723560.34      145.99547  (12121217)               411207.04
3723560.34      148.80093  (12121217)
        411227.04   3723560.34      150.00137  (12121217)               411247.04
3723560.34      149.82896  (12121217)
        411267.04   3723560.34      149.81502  (14111717)               411287.04
3723560.34      153.16079  (14111717)
        411307.04   3723560.34      154.97264  (14111717)               411327.04
3723560.34      155.69060  (14111717)
        411347.04   3723560.34      154.78680  (14111717)               411367.04
3723560.34      152.18860  (14111717)
        411387.04   3723560.34      150.33273  (15121017)               411407.04
3723560.34      153.53410  (15121017)
        411427.04   3723560.34      154.72815  (15121017)               411447.04
3723560.34      154.76381  (15121017)
        411467.04   3723560.34      153.27401  (15121017)               411487.04
3723560.34      154.40440  (15120717)
        411507.04   3723560.34      154.78706  (15120717)               411527.04
3723560.34      153.54652  (15120717)
        411547.04   3723560.34      151.87821  (16110817)               411567.04
3723560.34      152.90410  (16110817)
        411587.04   3723560.34      152.10755  (16110817)               411607.04
3723560.34      150.56221  (16110817)
        410707.04   3723580.34       91.73675  (13012117)               410727.04
3723580.34       93.73799  (13012117)
        410747.04   3723580.34       95.51241  (13012117)               410767.04
3723580.34       96.90655  (13012117)
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        410787.04   3723580.34       98.03419  (13012117)                410807.04
3723580.34       98.85500  (13012117)
        410827.04   3723580.34       99.23522  (13012117)                410847.04
3723580.34       99.29294  (13012117)
        410867.04   3723580.34       98.91930  (13012117)                410887.04
3723580.34       98.11690  (13012117)
        410907.04   3723580.34       96.86380  (13012117)                410927.04
3723580.34       95.29741  (12112917)
        410947.04   3723580.34      101.42859  (12112917)                410967.04
3723580.34      107.39279  (12112917)
        410987.04   3723580.34      113.14387  (12112917)                411007.04
3723580.34      118.60998  (12112917)
        411027.04   3723580.34      123.56483  (12112917)                411047.04
3723580.34      127.92877  (12112917)
        411067.04   3723580.34      131.61250  (12112917)                411087.04
3723580.34      134.55875  (12112917)
        411107.04   3723580.34      136.56720  (12112917)                411127.04
3723580.34      137.57730  (12112917)
        411147.04   3723580.34      137.52135  (12112917)                411167.04
3723580.34      138.82645  (12121217)
        411187.04   3723580.34      142.25568  (12121217)                411207.04
3723580.34      144.70319  (12121217)
        411227.04   3723580.34      145.61940  (12121217)                411247.04
3723580.34      145.23114  (12121217)
        411267.04   3723580.34      145.70536  (14111717)                411287.04
3723580.34      148.74822  (14111717)
        411307.04   3723580.34      150.35345  (14111717)                411327.04
3723580.34      150.95992  (14111717)
        411347.04   3723580.34      150.07448  (14111717)                411367.04
3723580.34      147.55161  (14111717)
        411387.04   3723580.34      145.50912  (15121017)                411407.04
3723580.34      148.63894  (15121017)
        411427.04   3723580.34      149.91116  (15121017)                411447.04
3723580.34      150.12525  (15121017)
        411467.04   3723580.34      148.91062  (15121017)                411487.04
3723580.34      149.26193  (15120717)
        411507.04   3723580.34      149.96576  (15120717)                411527.04
3723580.34      149.10831  (15120717)
        411547.04   3723580.34      147.17347  (15120717)                411567.04
3723580.34      148.02827  (16110817)
        411587.04   3723580.34      147.74401  (16110817)                411607.04
3723580.34      146.52418  (16110817)
        410707.04   3723600.34       90.61284  (13012117)                410727.04
3723600.34       92.34900  (13012117)
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                        ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        16:48:31
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SRCGP2 ***
INCLUDING SOURCE(S): L0000145 , L0000146 , L0000147 , L0000148 , L0000149 ,
L0000150 , L0000151 , L0000152 , L0000153 , L0000154 , L0000155 , L0000156 , L0000157 ,
L0000158 , L0000159 , L0000160 , L0000161 , L0000162 , L0000163 , L0000164 , L0000165 ,
L0000166 , L0000167 , L0000168 , L0000169 , L0000170 , L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
410747.04	3723600.34	93.81400	(13012117)	410767.04	3723600.34	94.98072	(13012117)
410787.04	3723600.34	95.88351	(13012117)	410807.04	3723600.34	96.45426	(13012117)
410827.04	3723600.34	96.56762	(13012117)	410847.04	3723600.34	96.31069	(13012117)
410867.04	3723600.34	95.68818	(13012117)	410887.04	3723600.34	94.61929	(13012117)
410907.04	3723600.34	93.16418	(13012117)	410927.04	3723600.34	95.24348	(12112917)
410947.04	3723600.34	101.08634	(12112917)	410967.04	3723600.34	106.78172	(12112917)
410987.04	3723600.34	112.20329	(12112917)	411007.04	3723600.34	117.25654	(12112917)
411027.04	3723600.34	121.84524	(12112917)	411047.04	3723600.34	125.83397	(12112917)
411067.04	3723600.34	128.93634	(12112917)	411087.04	3723600.34	131.57166	(12112917)
411107.04	3723600.34	133.22118	(12112917)	411127.04	3723600.34	133.88335	(12112917)
411147.04	3723600.34	133.50188	(12112917)	411167.04	3723600.34	135.56748	(12121217)
411187.04	3723600.34	138.65696	(12121217)	411207.04	3723600.34	140.65871	(12121217)
411227.04	3723600.34	141.32931	(12121217)	411247.04	3723600.34	140.71212	(12121217)
411267.04	3723600.34	141.53608	(14111717)	411287.04			

3723600.34 144.43625 (14111717)
411307.04 3723600.34 146.02032 (14111717) 411327.04
3723600.34 146.45831 (14111717)
411347.04 3723600.34 145.50189 (14111717) 411367.04
3723600.34 143.04144 (14111717)
411387.04 3723600.34 140.70599 (15121017) 411407.04
3723600.34 143.84756 (15121017)
411427.04 3723600.34 145.34960 (15121017) 411447.04
3723600.34 145.73515 (15121017)
411467.04 3723600.34 144.72997 (15121017) 411487.04
3723600.34 144.28766 (15120717)
411507.04 3723600.34 145.25059 (15120717) 411527.04
3723600.34 144.82773 (15120717)
411547.04 3723600.34 143.27315 (15120717) 411567.04
3723600.34 143.27779 (16110817)
411587.04 3723600.34 143.49381 (16110817) 411607.04
3723600.34 142.67051 (16110817)
410707.04 3723620.34 89.32555 (13012117) 410727.04
3723620.34 90.80611 (13012117)
410747.04 3723620.34 92.02715 (13012117) 410767.04
3723620.34 92.95247 (13012117)
410787.04 3723620.34 93.61179 (13012117) 410807.04
3723620.34 93.93601 (13012117)
410827.04 3723620.34 93.80959 (13012117) 410847.04
3723620.34 93.31401 (13012117)
410867.04 3723620.34 92.44620 (13012117) 410887.04
3723620.34 91.17719 (13012117)
410907.04 3723620.34 89.52896 (13012117) 410927.04
3723620.34 95.11513 (12112917)
410947.04 3723620.34 100.68339 (12112917) 410967.04
3723620.34 106.07406 (12112917)
410987.04 3723620.34 111.17453 (12112917) 411007.04
3723620.34 115.86777 (12112917)
411027.04 3723620.34 120.06995 (12112917) 411047.04
3723620.34 123.67075 (12112917)
411067.04 3723620.34 126.31348 (12112917) 411087.04
3723620.34 128.60563 (12112917)
411107.04 3723620.34 129.93544 (12112917) 411127.04
3723620.34 130.28990 (12112917)
411147.04 3723620.34 129.63708 (12112917) 411167.04
3723620.34 132.46659 (12121217)
411187.04 3723620.34 135.12512 (12121217) 411207.04
3723620.34 136.64685 (12121217)
411227.04 3723620.34 137.06841 (12121217) 411247.04
3723620.34 136.31051 (12121217)
411267.04 3723620.34 137.47509 (14111717) 411287.04
3723620.34 140.21811 (14111717)
411307.04 3723620.34 141.76494 (14111717) 411327.04
3723620.34 142.03025 (14111717)
411347.04 3723620.34 141.01683 (14111717) 411367.04

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2   ***
                                   INCLUDING SOURCE(S):   L0000145   , L0000146
, L0000147   , L0000148   , L0000149   ,
                  L0000150   , L0000151   , L0000152   , L0000153   , L0000154
, L0000155   , L0000156   , L0000157   ,
                  L0000158   , L0000159   , L0000160   , L0000161   , L0000162
, L0000163   , L0000164   , L0000165   ,
                  L0000166   , L0000167   , L0000168   , L0000169   , L0000170
, L0000171   , L0000172   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        411427.04   3723620.34   140.93650 (15121017)   411447.04
3723620.34   141.48576 (15121017)
        411467.04   3723620.34   140.68847 (15121017)   411487.04
3723620.34   139.39768 (15120717)
        411507.04   3723620.34   140.62317 (15120717)   411527.04
3723620.34   140.63387 (15120717)
        411547.04   3723620.34   139.52789 (15120717)   411567.04
3723620.34   138.67945 (16110817)
        411587.04   3723620.34   139.33035 (16110817)   411607.04
3723620.34   138.87986 (16110817)
        410707.04   3723640.34   88.05288 (13012117)   410727.04
3723640.34   89.26422 (13012117)
        410747.04   3723640.34   90.22656 (13012117)   410767.04
3723640.34   90.85069 (13012117)
        410787.04   3723640.34   91.25571 (13012117)   410807.04
3723640.34   91.33458 (13012117)
        410827.04   3723640.34   90.97568 (13012117)   410847.04
3723640.34   90.27427 (13012117)

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        410867.04   3723640.34       89.20994  (13012117)              410887.04
3723640.34       87.74166  (13012117)
        410907.04   3723640.34       89.46348  (12112917)              410927.04
3723640.34       94.87884  (12112917)
        410947.04   3723640.34      100.12262  (12112917)              410967.04
3723640.34      105.20029  (12112917)
        410987.04   3723640.34      109.99866  (12112917)              411007.04
3723640.34      114.33766  (12112917)
        411027.04   3723640.34      118.19177  (12112917)              411047.04
3723640.34      121.40550  (12112917)
        411067.04   3723640.34      123.73621  (12112917)              411087.04
3723640.34      125.65045  (12112917)
        411107.04   3723640.34      126.60571  (12112917)              411127.04
3723640.34      126.66382  (12112917)
        411147.04   3723640.34      126.16681  (12121217)              411167.04
3723640.34      129.36641  (12121217)
        411187.04   3723640.34      131.67281  (12121217)              411207.04
3723640.34      132.92476  (12121217)
        411227.04   3723640.34      133.20568  (12121217)              411247.04
3723640.34      132.33008  (12121217)
        411267.04   3723640.34      133.87059  (14111717)              411287.04
3723640.34      136.44593  (14111717)
        411307.04   3723640.34      137.87406  (14111717)              411327.04
3723640.34      138.10331  (14111717)
        411347.04   3723640.34      137.06938  (14111717)              411367.04
3723640.34      134.85428  (14111717)
        411387.04   3723640.34      131.95666  (15121017)              411407.04
3723640.34      135.07198  (15121017)
        411427.04   3723640.34      137.03873  (15121017)              411447.04
3723640.34      137.56730  (15121017)
        411467.04   3723640.34      137.08076  (15121017)              411487.04
3723640.34      135.42720  (15121017)
        411507.04   3723640.34      136.70272  (15120717)              411527.04
3723640.34      136.94243  (15120717)
        411547.04   3723640.34      135.95366  (15120717)              411567.04
3723640.34      134.23303  (16110817)
        411587.04   3723640.34      135.24503  (16110817)              411607.04
3723640.34      135.08313  (16110817)
        410707.04   3723660.34       86.59474  (13012117)              410727.04
3723660.34       87.59283  (13012117)
        410747.04   3723660.34       88.32007  (13012117)              410767.04
3723660.34       88.67186  (13012117)
        410787.04   3723660.34       88.83799  (13012117)              410807.04
3723660.34       88.64571  (13012117)
        410827.04   3723660.34       88.03268  (13012117)              410847.04
3723660.34       87.12179  (13012117)
        410867.04   3723660.34       85.85652  (13012117)              410887.04
3723660.34       84.22942  (13012117)
        410907.04   3723660.34       89.25777  (12112917)              410927.04
3723660.34       94.44977  (12112917)
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        410947.04   3723660.34       99.31576  (12112917)                410967.04
3723660.34      104.07193  (12112917)
        410987.04   3723660.34      108.52360  (12112917)                411007.04
3723660.34      112.52526  (12112917)
        411027.04   3723660.34      116.02223  (12112917)                411047.04
3723660.34      118.90554  (12112917)
        411067.04   3723660.34      121.06276  (12112917)                411087.04
3723660.34      122.51919  (12112917)
        411107.04   3723660.34      123.15837  (12112917)                411127.04
3723660.34      122.90261  (12112917)
        411147.04   3723660.34      123.26727  (12121217)                411167.04
3723660.34      126.17084  (12121217)
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                         ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                        ***        16:48:31

                                   PAGE 555
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SRCGP2   ***
                                   INCLUDING SOURCE(S):     L0000145    , L0000146
, L0000147    , L0000148    , L0000149    ,
                  L0000150    , L0000151    , L0000152    , L0000153    , L0000154
, L0000155    , L0000156    , L0000157    ,
                  L0000158    , L0000159    , L0000160    , L0000161    , L0000162
, L0000163    , L0000164    , L0000165    ,
                  L0000166    , L0000167    , L0000168    , L0000169    , L0000170
, L0000171    , L0000172    ,  . . .      ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        411187.04   3723660.34      128.17053  (12121217)                411207.04
3723660.34      129.19219  (12121217)
        411227.04   3723660.34      129.38661  (12121217)                411247.04
3723660.34      128.47408  (12121217)
        411267.04   3723660.34      130.47120  (14111717)                411287.04
3723660.34      132.99828  (14111717)
        411307.04   3723660.34      134.28914  (14111717)                411327.04
3723660.34      134.43968  (14111717)
        411347.04   3723660.34      133.44019  (14111717)                411367.04
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3723660.34 131.23771 (14111717)
411387.04 3723660.34 128.27253 (15121017) 411407.04
3723660.34 131.29987 (15121017)
411427.04 3723660.34 133.18947 (15121017) 411447.04
3723660.34 133.71579 (15121017)
411467.04 3723660.34 133.46352 (15121017) 411487.04
3723660.34 132.13972 (15121017)
411507.04 3723660.34 132.71002 (15120717) 411527.04
3723660.34 133.15534 (15120717)
411547.04 3723660.34 132.44198 (15120717) 411567.04
3723660.34 130.50756 (15120717)
411587.04 3723660.34 131.23192 (16110817) 411607.04
3723660.34 131.39060 (16110817)
410907.04 3723680.34 89.06846 (12112917) 410927.04
3723680.34 93.97072 (12112917)
410947.04 3723680.34 98.64246 (12112917) 410967.04
3723680.34 103.11609 (12112917)
410987.04 3723680.34 107.25054 (12112917) 411007.04
3723680.34 110.94876 (12112917)
411027.04 3723680.34 114.12055 (12112917) 411047.04
3723680.34 116.70426 (12112917)
411067.04 3723680.34 118.55727 (12112917) 411087.04
3723680.34 119.67553 (12112917)
411107.04 3723680.34 120.03788 (12112917) 411127.04
3723680.34 119.51528 (12112917)
411147.04 3723680.34 120.80794 (12121217) 411167.04
3723680.34 123.48199 (12121217)
411187.04 3723680.34 125.13557 (12121217) 411207.04
3723680.34 125.80958 (12121217)
411227.04 3723680.34 125.80941 (12121217) 411247.04
3723680.34 124.81252 (12121217)
411267.04 3723680.34 127.16025 (14111717) 411287.04
3723680.34 129.50233 (14111717)
411307.04 3723680.34 130.68617 (14111717) 411327.04
3723680.34 130.80420 (14111717)
411347.04 3723680.34 129.81982 (14111717) 411367.04
3723680.34 127.77173 (14111717)
411387.04 3723680.34 124.62401 (14111717) 411407.04
3723680.34 127.52825 (15121017)
411427.04 3723680.34 129.43275 (15121017) 411447.04
3723680.34 130.21189 (15121017)
411467.04 3723680.34 130.06556 (15121017) 411487.04
3723680.34 128.81337 (15121017)
411507.04 3723680.34 128.65343 (15120717) 411527.04
3723680.34 129.30376 (15120717)
411547.04 3723680.34 129.01478 (15120717) 411567.04
3723680.34 127.36189 (15120717)
411587.04 3723680.34 127.32680 (16110817) 411607.04
3723680.34 127.93967 (16110817)
410907.04 3723700.34 88.75120 (12112917) 410927.04

3723700.34   93.39749 (12112917)
        410947.04   3723700.34   97.84522 (12112917)   410967.04
3723700.34   102.01128 (12112917)
        410987.04   3723700.34   105.85009 (12112917)   411007.04
3723700.34   109.24685 (12112917)
        411027.04   3723700.34   112.10029 (12112917)   411047.04
3723700.34   114.34303 (12112917)
        411067.04   3723700.34   115.98856 (12112917)   411087.04
3723700.34   116.85110 (12112917)
        411107.04   3723700.34   116.96157 (12112917)   411127.04
3723700.34   116.18711 (12112917)
        411147.04   3723700.34   118.25923 (12121217)   411167.04
3723700.34   120.67751 (12121217)
        411187.04   3723700.34   122.06065 (12121217)   411207.04
3723700.34   122.53561 (12121217)
        411227.04   3723700.34   122.43041 (12121217)   411247.04
3723700.34   121.30669 (12121217)
        411267.04   3723700.34   123.94022 (14111717)   411287.04
3723700.34   126.13390 (14111717)
        411307.04   3723700.34   127.20424 (14111717)   411327.04
3723700.34   127.27359 (14111717)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2   ***
                                   INCLUDING SOURCE(S):   L0000145   , L0000146
, L0000147   , L0000148   , L0000149   ,
                  L0000150   , L0000151   , L0000152   , L0000153   , L0000154
, L0000155   , L0000156   , L0000157   ,
                  L0000158   , L0000159   , L0000160   , L0000161   , L0000162
, L0000163   , L0000164   , L0000165   ,
                  L0000166   , L0000167   , L0000168   , L0000169   , L0000170
, L0000171   , L0000172   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -

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        411347.04   3723700.34      126.31734  (14111717)              411367.04
3723700.34      124.28285  (14111717)
        411387.04   3723700.34      121.31991  (14111717)              411407.04
3723700.34      123.83622  (15121017)
        411427.04   3723700.34      125.76083  (15121017)              411447.04
3723700.34      126.51992  (15121017)
        411467.04   3723700.34      126.57144  (15121017)              411487.04
3723700.34      125.57576  (15121017)
        411507.04   3723700.34      124.85620  (15120717)              411527.04
3723700.34      125.70011  (15120717)
        411547.04   3723700.34      125.62329  (15120717)              411567.04
3723700.34      124.29241  (15120717)
        411587.04   3723700.34      123.53133  (16110817)              411607.04
3723700.34      124.38490  (16110817)
        410907.04   3723720.34       88.32409  (12112917)              410927.04
3723720.34       92.74498  (12112917)
        410947.04   3723720.34       96.94946  (12112917)              410967.04
3723720.34      100.81776  (12112917)
        410987.04   3723720.34      104.31263  (12112917)              411007.04
3723720.34      107.39748  (12112917)
        411027.04   3723720.34      109.97442  (12112917)              411047.04
3723720.34      111.91030  (12112917)
        411067.04   3723720.34      113.39137  (12112917)              411087.04
3723720.34      114.02165  (12112917)
        411107.04   3723720.34      113.87692  (12112917)              411127.04
3723720.34      112.90794  (12112917)
        411147.04   3723720.34      115.72706  (12121217)              411167.04
3723720.34      117.91995  (12121217)
        411187.04   3723720.34      119.11138  (12121217)              411207.04
3723720.34      119.42708  (12121217)
        411227.04   3723720.34      119.18268  (12121217)              411247.04
3723720.34      117.95242  (12121217)
        411267.04   3723720.34      120.83283  (14111717)              411287.04
3723720.34      122.80813  (14111717)
        411307.04   3723720.34      123.83071  (14111717)              411327.04
3723720.34      123.86824  (14111717)
        411347.04   3723720.34      122.87780  (14111717)              411367.04
3723720.34      120.96928  (14111717)
        411387.04   3723720.34      118.08892  (14111717)              411407.04
3723720.34      120.27683  (15121017)
        411427.04   3723720.34      122.22390  (15121017)              411447.04
3723720.34      123.09572  (15121017)
        411467.04   3723720.34      123.23601  (15121017)              411487.04
3723720.34      122.43860  (15121017)
        411507.04   3723720.34      121.28049  (15120717)              411527.04
3723720.34      122.27320  (15120717)
        411547.04   3723720.34      122.31515  (15120717)              411567.04
3723720.34      121.29304  (15120717)
        411587.04   3723720.34      119.84221  (16110817)              411607.04
3723720.34      120.93141  (16110817)
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        410907.04   3723740.34       87.86985  (12112917)                410927.04
3723740.34       92.05057  (12112917)
        410947.04   3723740.34       96.01356  (12112917)                410967.04
3723740.34       99.66883  (12112917)
        410987.04   3723740.34      102.88944  (12112917)                411007.04
3723740.34      105.65241  (12112917)
        411027.04   3723740.34      107.95311  (12112917)                411047.04
3723740.34      109.60555  (12112917)
        411067.04   3723740.34      110.74879  (12112917)                411087.04
3723740.34      111.18902  (12112917)
        411107.04   3723740.34      110.85435  (12112917)                411127.04
3723740.34      110.60655  (12121217)
        411147.04   3723740.34      113.26039  (12121217)                411167.04
3723740.34      115.24493  (12121217)
        411187.04   3723740.34      116.26508  (12121217)                411207.04
3723740.34      116.42892  (12121217)
        411227.04   3723740.34      116.08409  (12121217)                411247.04
3723740.34      115.18607  (14111717)
        411267.04   3723740.34      117.83639  (14111717)                411287.04
3723740.34      119.65243  (14111717)
        411307.04   3723740.34      120.55793  (14111717)                411327.04
3723740.34      120.55233  (14111717)
        411347.04   3723740.34      119.64291  (14111717)                411367.04
3723740.34      117.76580  (14111717)
        411387.04   3723740.34      115.01520  (14111717)                411407.04
3723740.34      116.84554  (15121017)
        411427.04   3723740.34      118.87751  (15121017)                411447.04
3723740.34      119.98112  (15121017)
        411467.04   3723740.34      120.17229  (15121017)                411487.04
3723740.34      119.45347  (15121017)
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                        ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        16:48:31

                                   PAGE 557
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SRCGP2   ***
                                   INCLUDING SOURCE(S):     L0000145    , L0000146
, L0000147    , L0000148    , L0000149    ,
                  L0000150    , L0000151    , L0000152    , L0000153    , L0000154
, L0000155    , L0000156    , L0000157    ,
                  L0000158    , L0000159    , L0000160    , L0000161    , L0000162
, L0000163    , L0000164    , L0000165    ,
                  L0000166    , L0000167    , L0000168    , L0000169    , L0000170
, L0000171    , L0000172    ,  . . .      ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
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** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
411507.04	3723740.34	117.78847	(15121017)	411527.04	3723740.34	118.87190	(15120717)
411547.04	3723740.34	119.10576	(15120717)	411567.04	3723740.34	118.36824	(15120717)
411587.04	3723740.34	116.87540	(15120717)	411607.04	3723740.34	117.52483	(16110817)
410907.04	3723760.34	87.31543	(12112917)	410927.04	3723760.34	91.24961	(12112917)
410947.04	3723760.34	94.94683	(12112917)	410967.04	3723760.34	98.36718	(12112917)
410987.04	3723760.34	101.36458	(12112917)	411007.04	3723760.34	103.83696	(12112917)
411027.04	3723760.34	105.87576	(12112917)	411047.04	3723760.34	107.29296	(12112917)
411067.04	3723760.34	108.21122	(12112917)	411087.04	3723760.34	108.44052	(12112917)
411107.04	3723760.34	107.92325	(12112917)	411127.04	3723760.34	108.43174	(12121217)
411147.04	3723760.34	110.84799	(12121217)	411167.04	3723760.34	112.63676	(12121217)
411187.04	3723760.34	113.51386	(12121217)	411207.04	3723760.34	113.53684	(12121217)
411227.04	3723760.34	113.06847	(12121217)	411247.04	3723760.34	112.54500	(14111717)
411267.04	3723760.34	115.04402	(14111717)	411287.04	3723760.34	116.75050	(14111717)
411307.04	3723760.34	117.61292	(14111717)	411327.04	3723760.34	117.58841	(14111717)
411347.04	3723760.34	116.74938	(14111717)	411367.04	3723760.34	114.94734	(14111717)
411387.04	3723760.34	112.33847	(14111717)	411407.04	3723760.34	113.80694	(15121017)
411427.04	3723760.34	115.87383	(15121017)	411447.04	3723760.34	117.09329	(15121017)
411467.04	3723760.34	117.27680	(15121017)	411487.04	3723760.34	116.64463	(15121017)
411507.04	3723760.34	115.16064	(15121017)	411527.04	3723760.34	115.72489	(15120717)
411547.04	3723760.34	116.06981	(15120717)	411567.04	3723760.34	115.53073	(15120717)
411587.04	3723760.34	114.26628	(15120717)	411607.04			

3723760.34   114.24111 (16110817)
        410907.04   3723780.34   86.71854 (12112917)   410927.04
3723780.34   90.41705 (12112917)
        410947.04   3723780.34   93.90980 (12112917)   410967.04
3723780.34   97.06916 (12112917)
        410987.04   3723780.34   99.78099 (12112917)   411007.04
3723780.34   102.10409 (12112917)
        411027.04   3723780.34   103.85968 (12112917)   411047.04
3723780.34   105.02049 (12112917)
        411067.04   3723780.34   105.73584 (12112917)   411087.04
3723780.34   105.75543 (12112917)
        411107.04   3723780.34   105.05930 (12112917)   411127.04
3723780.34   106.25024 (12121217)
        411147.04   3723780.34   108.51402 (12121217)   411167.04
3723780.34   110.11478 (12121217)
        411187.04   3723780.34   110.85767 (12121217)   411207.04
3723780.34   110.75050 (12121217)
        411227.04   3723780.34   110.18584 (12121217)   411247.04
3723780.34   109.98312 (14111717)
        411267.04   3723780.34   112.29024 (14111717)   411287.04
3723780.34   113.89170 (14111717)
        411307.04   3723780.34   114.68963 (14111717)   411327.04
3723780.34   114.63095 (14111717)
        411347.04   3723780.34   113.82745 (14111717)   411367.04
3723780.34   112.12447 (14111717)
        411387.04   3723780.34   109.62055 (14111717)   411407.04
3723780.34   110.74961 (15121017)
        411427.04   3723780.34   112.79847 (15121017)   411447.04
3723780.34   114.03464 (15121017)
        411467.04   3723780.34   114.33312 (15121017)   411487.04
3723780.34   113.87113 (15121017)
        411507.04   3723780.34   112.56885 (15121017)   411527.04
3723780.34   112.65608 (15120717)
        411547.04   3723780.34   113.15466 (15120717)   411567.04
3723780.34   112.78129 (15120717)
        411587.04   3723780.34   111.71958 (15120717)   411607.04
3723780.34   111.11935 (16110817)
        410907.04   3723800.34   85.99876 (12112917)   410927.04
3723800.34   89.50643 (12112917)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                              *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2   ***
                                 INCLUDING SOURCE(S):   L0000145   , L0000146

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, L0000147    , L0000148    , L0000149    ,
                L0000150    , L0000151    , L0000152    , L0000153    , L0000154
, L0000155    , L0000156    , L0000157    ,
                L0000158    , L0000159    , L0000160    , L0000161    , L0000162
, L0000163    , L0000164    , L0000165    ,
                L0000166    , L0000167    , L0000168    , L0000169    , L0000170
, L0000171    , L0000172    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        410947.04   3723800.34       92.79902  (12112917)               410967.04
3723800.34       95.72680  (12112917)
        410987.04   3723800.34       98.18406  (12112917)               411007.04
3723800.34      100.25330  (12112917)
        411027.04   3723800.34      101.81686  (12112917)               411047.04
3723800.34      102.81981  (12112917)
        411067.04   3723800.34      103.25811  (12112917)               411087.04
3723800.34      103.07533  (12112917)
        411107.04   3723800.34      102.24385  (12112917)               411127.04
3723800.34      104.16389  (12121217)
        411147.04   3723800.34      106.23625  (12121217)               411167.04
3723800.34      107.63177  (12121217)
        411187.04   3723800.34      108.27622  (12121217)               411207.04
3723800.34      108.06155  (12121217)
        411227.04   3723800.34      107.39446  (12121217)               411247.04
3723800.34      107.49537  (14111717)
        411267.04   3723800.34      109.64713  (14111717)               411287.04
3723800.34      111.12477  (14111717)
        411307.04   3723800.34      111.83688  (14111717)               411327.04
3723800.34      111.78158  (14111717)
        411347.04   3723800.34      110.99173  (14111717)               411367.04
3723800.34      109.34621  (14111717)
        411387.04   3723800.34      106.95564  (14111717)               411407.04
3723800.34      107.80349  (15121017)
        411427.04   3723800.34      109.81821  (15121017)               411447.04
3723800.34      111.07704  (15121017)
        411467.04   3723800.34      111.46860  (15121017)               411487.04
3723800.34      111.10948  (15121017)
        411507.04   3723800.34      109.96805  (15121017)               411527.04
3723800.34      109.59685  (15120717)
        411547.04   3723800.34      110.21932  (15120717)               411567.04
3723800.34      110.07813  (15120717)
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        411587.04   3723800.34      109.23280  (15120717)                411607.04
3723800.34      107.96921  (16110817)
        410907.04   3723820.34       85.27724  (12112917)                410927.04
3723820.34       88.59630  (12112917)
        410947.04   3723820.34       91.61958  (12112917)                410967.04
3723820.34       94.29935  (12112917)
        410987.04   3723820.34       96.58099  (12112917)                411007.04
3723820.34       98.40994  (12112917)
        411027.04   3723820.34       99.74348  (12112917)                411047.04
3723820.34      100.54552  (12112917)
        411067.04   3723820.34      100.77120  (12112917)                411087.04
3723820.34      100.41790  (12112917)
        411107.04   3723820.34       99.79153  (12121217)                411127.04
3723820.34      102.14272  (12121217)
        411147.04   3723820.34      103.94344  (12121217)                411167.04
3723820.34      105.12608  (12121217)
        411187.04   3723820.34      105.64904  (12121217)                411207.04
3723820.34      105.48976  (12121217)
        411227.04   3723820.34      104.63617  (12121217)                411247.04
3723820.34      105.01237  (14111717)
        411267.04   3723820.34      107.07903  (14111717)                411287.04
3723820.34      108.46808  (14111717)
        411307.04   3723820.34      109.12748  (14111717)                411327.04
3723820.34      109.03725  (14111717)
        411347.04   3723820.34      108.19733  (14111717)                411367.04
3723820.34      106.60810  (14111717)
        411387.04   3723820.34      104.29735  (14111717)                411407.04
3723820.34      104.94817  (15121017)
        411427.04   3723820.34      106.93078  (15121017)                411447.04
3723820.34      108.18873  (15121017)
        411467.04   3723820.34      108.70070  (15121017)                411487.04
3723820.34      108.46220  (15121017)
        411507.04   3723820.34      107.47841  (15121017)                411527.04
3723820.34      106.53957  (15120717)
        411547.04   3723820.34      107.35193  (15120717)                411567.04
3723820.34      107.45089  (15120717)
        411587.04   3723820.34      106.81659  (15120717)                411607.04
3723820.34      105.51801  (15120717)
        410907.04   3723840.34       84.55286  (12112917)                410927.04
3723840.34       87.64039  (12112917)
        410947.04   3723840.34       90.44462  (12112917)                410967.04
3723840.34       92.94345  (12112917)
        410987.04   3723840.34       94.99534  (12112917)                411007.04
3723840.34       96.61583  (12112917)
        411027.04   3723840.34       97.73775  (12112917)                411047.04
3723840.34       98.37053  (12112917)
        411067.04   3723840.34       98.43068  (12112917)                411087.04
3723840.34       97.90144  (12112917)
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***        05/26/20
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SRCGP2   ***
                                  INCLUDING SOURCE(S):     L0000145    , L0000146
, L0000147    , L0000148    , L0000149    ,
                 L0000150    , L0000151    , L0000152    , L0000153    , L0000154
, L0000155    , L0000156    , L0000157    ,
                 L0000158    , L0000159    , L0000160    , L0000161    , L0000162
, L0000163    , L0000164    , L0000165    ,
                 L0000166    , L0000167    , L0000168    , L0000169    , L0000170
, L0000171    , L0000172    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
        411107.04   3723840.34       97.97737  (12121217)                411127.04
3723840.34      100.22644  (12121217)
        411147.04   3723840.34      101.87161  (12121217)                411167.04
3723840.34      102.88928  (12121217)
        411187.04   3723840.34      103.29370  (12121217)                411207.04
3723840.34      103.03253  (12121217)
        411227.04   3723840.34      102.10288  (12121217)                411247.04
3723840.34      102.77529  (14111717)
        411267.04   3723840.34      104.75015  (14111717)                411287.04
3723840.34      106.03982  (14111717)
        411307.04   3723840.34      106.65707  (14111717)                411327.04
3723840.34      106.54745  (14111717)
        411347.04   3723840.34      105.71754  (14111717)                411367.04
3723840.34      104.18062  (14111717)
        411387.04   3723840.34      101.95136  (14111717)                411407.04
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        411427.04   3723840.34      104.22380  (15121017)                411447.04
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        411467.04   3723840.34      106.09959  (15121017)                411487.04
3723840.34      105.94251  (15121017)
        411507.04   3723840.34      105.11342  (15121017)                411527.04
3723840.34      103.75022  (15120717)
        411547.04   3723840.34      104.67837  (15120717)                411567.04
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        411147.04   3723880.34       97.74064  (12121217)                411167.04
3723880.34       98.50840  (12121217)
        411187.04   3723880.34       98.67093  (12121217)                411207.04
3723880.34       98.26235  (12121217)
        411227.04   3723880.34       97.23726  (12121217)                411247.04
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↑ *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                         ***       05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***       16:48:31

                                   PAGE 560
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SRCGP2   ***
                                   INCLUDING SOURCE(S):     L0000145    , L0000146
, L0000147    , L0000148    , L0000149    ,
                 L0000150    , L0000151    , L0000152    , L0000153    , L0000154
, L0000155    , L0000156    , L0000157    ,
                 L0000158    , L0000159    , L0000160    , L0000161    , L0000162
, L0000163    , L0000164    , L0000165    ,
                 L0000166    , L0000167    , L0000168    , L0000169    , L0000170
, L0000171    , L0000172    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
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3723880.34      101.31442  (14111717)
        411307.04   3723880.34      101.80401  (14111717)                411327.04
3723880.34      101.64627  (14111717)
        411347.04   3723880.34      100.82930  (14111717)                411367.04
3723880.34       99.38052  (14111717)
        411387.04   3723880.34       97.31785  (14111717)                411407.04
3723880.34       97.16149  (15121017)
        411427.04   3723880.34       99.15800  (15121017)                411447.04
3723880.34      100.57631  (15121017)
        411467.04   3723880.34      101.23917  (15121017)                411487.04
3723880.34      101.20214  (15121017)
        411507.04   3723880.34      100.59425  (15121017)                411527.04
3723880.34       99.41985  (15121017)
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411587.04 3723900.34 97.65388 (15120717) 411607.04 3723900.34 97.10924 (15120717)
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3723920.34       97.21391  (14111717)
        411347.04   3723920.34       96.44328  (14111717)                411367.04
3723920.34       95.09893  (14111717)
        411387.04   3723920.34       93.17790  (14111717)                411407.04
3723920.34       92.49966  (15121017)
↑ *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                         ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        16:48:31

                                  PAGE 561
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SRCGP2   ***
                                  INCLUDING SOURCE(S):     L0000145    , L0000146
, L0000147    , L0000148    , L0000149    ,
                 L0000150    , L0000151    , L0000152    , L0000153    , L0000154
, L0000155    , L0000156    , L0000157    ,
                 L0000158    , L0000159    , L0000160    , L0000161    , L0000162
, L0000163    , L0000164    , L0000165    ,
                 L0000166    , L0000167    , L0000168    , L0000169    , L0000170
, L0000171    , L0000172    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
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        411467.04   3723920.34       96.65716  (15121017)                411487.04
3723920.34       96.74080  (15121017)
        411507.04   3723920.34       96.30709  (15121017)                411527.04
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411107.04 3723940.34 89.57091 (12121217) 411127.04
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410907.04 3723960.34 79.45057 (12112917) 410927.04
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3723960.34 84.54037 (12112917)
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3723960.34       88.21856  (15121017)
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        411467.04   3723960.34       92.35603  (15121017)                411487.04
3723960.34       92.66102  (15121017)
        411507.04   3723960.34       92.45612  (15121017)                411527.04
3723960.34       91.73561  (15121017)
        411547.04   3723960.34       90.46656  (15121017)                411567.04
3723960.34       91.03770  (15120717)
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                         ***        16:48:31

                                    PAGE 562
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SRCGP2   ***
                                    INCLUDING SOURCE(S):     L0000145    , L0000146
, L0000147    , L0000148    , L0000149    ,
                  L0000150    , L0000151    , L0000152    , L0000153    , L0000154
, L0000155    , L0000156    , L0000157    ,
                  L0000158    , L0000159    , L0000160    , L0000161    , L0000162
, L0000163    , L0000164    , L0000165    ,
                  L0000166    , L0000167    , L0000168    , L0000169    , L0000170
, L0000171    , L0000172    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10    IN MICROGRAMS/M**3
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X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
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412185.57	3727370.39	14.37168	(15121017)	412205.57	3727370.39	14.36985	(15120717)
412225.57	3727370.39	14.46197	(15120717)	412245.57	3727370.39	14.54156	(15120717)
412265.57	3727370.39	14.60791	(15120717)	412285.57	3727370.39	14.66182	(15120717)
412305.57	3727370.39	14.70305	(15120717)	412325.57	3727370.39	14.73151	(15120717)
412345.57	3727370.39	14.74719	(15120717)	412365.57	3727370.39	14.74994	(15120717)
412145.57	3727390.39	14.57457	(15121017)	412165.57	3727390.39	14.44890	(15121017)
412185.57	3727390.39	14.31140	(15121017)	412205.57	3727390.39	14.26395	(15120717)
412225.57	3727390.39	14.35757	(15120717)	412245.57	3727390.39	14.43894	(15120717)
412265.57	3727390.39	14.50757	(15120717)	412285.57	3727390.39	14.56372	(15120717)
412305.57	3727390.39	14.60734	(15120717)	412325.57	3727390.39	14.63842	(15120717)
412345.57	3727390.39	14.65684	(15120717)	412365.57	3727390.39	14.66214	(15120717)
412145.57	3727410.39	14.50809	(15121017)	412165.57	3727410.39	14.38513	(15121017)
412185.57	3727410.39	14.25116	(15121017)	412205.57	3727410.39	14.15861	(15120717)
412225.57	3727410.39	14.25369	(15120717)	412245.57	3727410.39	14.33673	(15120717)
412265.57	3727410.39	14.40760	(15120717)	412285.57	3727410.39	14.46603	(15120717)
412305.57	3727410.39	14.51200	(15120717)	412325.57	3727410.39	14.54552	(15120717)
412345.57	3727410.39	14.56648	(15120717)	412365.57	3727410.39	14.57452	(15120717)
412145.57	3727430.39	14.44100	(15121017)	412165.57	3727430.39	14.32086	(15121017)
412185.57	3727430.39	14.18999	(15121017)	412205.57	3727430.39	14.05326	(15120717)
412225.57	3727430.39	14.14987	(15120717)	412245.57	3727430.39	14.23470	(15120717)
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3727450.39       14.35939  (15120717)
        412345.57   3727450.39       14.38562  (15120717)                412365.57
3727450.39       14.39958  (15120717)
        412145.57   3727470.39       14.30807  (15121017)                412165.57
3727470.39       14.19396  (15121017)
        412185.57   3727470.39       14.06911  (15121017)                412205.57
3727470.39       13.93330  (15121017)
        412225.57   3727470.39       13.94511  (15120717)                412245.57
3727470.39       14.03309  (15120717)
        412265.57   3727470.39       14.10946  (15120717)                412285.57
3727470.39       14.17416  (15120717)
        412305.57   3727470.39       14.22683  (15120717)                412325.57
3727470.39       14.26735  (15120717)
        412345.57   3727470.39       14.29597  (15120717)                412365.57
3727470.39       14.31254  (15120717)
        412145.57   3727490.39       14.24224  (15121017)                412165.57
3727490.39       14.13097  (15121017)
        412185.57   3727490.39       14.00886  (15121017)                412205.57
3727490.39       13.87603  (15121017)
        412225.57   3727490.39       13.84383  (15120717)                412245.57
3727490.39       13.93346  (15120717)
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                         ***        16:48:31

                                    PAGE 563
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SRCGP2   ***
                                    INCLUDING SOURCE(S):     L0000145    , L0000146
, L0000147    , L0000148    , L0000149    ,
                  L0000150    , L0000151    , L0000152    , L0000153    , L0000154
, L0000155    , L0000156    , L0000157    ,
                  L0000158    , L0000159    , L0000160    , L0000161    , L0000162
, L0000163    , L0000164    , L0000165    ,
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L0000166 , L0000167 , L0000168 , L0000169 , L0000170
, L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
412265.57	3727490.39	14.01157	(15120717)	412285.57	3727490.39	14.07811	(15120717)
412305.57	3727490.39	14.13291	(15120717)	412325.57	3727490.39	14.17571	(15120717)
412345.57	3727490.39	14.20671	(15120717)	412365.57	3727490.39	14.22586	(15120717)
412145.57	3727510.39	14.17631	(15121017)	412165.57	3727510.39	14.06759	(15121017)
412185.57	3727510.39	13.94828	(15121017)	412205.57	3727510.39	13.81855	(15121017)
412225.57	3727510.39	13.74291	(15120717)	412245.57	3727510.39	13.83412	(15120717)
412265.57	3727510.39	13.91400	(15120717)	412285.57	3727510.39	13.98236	(15120717)
412305.57	3727510.39	14.03916	(15120717)	412325.57	3727510.39	14.08429	(15120717)
412345.57	3727510.39	14.11743	(15120717)	412365.57	3727510.39	14.13920	(15120717)
412145.57	3727530.39	14.11138	(15121017)	412165.57	3727530.39	14.00539	(15121017)
412185.57	3727530.39	13.88877	(15121017)	412205.57	3727530.39	13.76191	(15121017)
412225.57	3727530.39	13.64343	(15120717)	412245.57	3727530.39	13.73613	(15120717)
412265.57	3727530.39	13.81767	(15120717)	412285.57	3727530.39	13.88788	(15120717)
412305.57	3727530.39	13.94667	(15120717)	412325.57	3727530.39	13.99386	(15120717)
412345.57	3727530.39	14.02901	(15120717)	412365.57	3727530.39	14.05307	(15120717)
412145.57	3727550.39	14.04645	(15121017)	412165.57	3727550.39	13.94308	(15121017)
412185.57	3727550.39	13.82930	(15121017)	412205.57	3727550.39	13.70523	(15121017)
412225.57	3727550.39	13.57132	(15121017)	412245.57	3727550.39	13.63854	(15120717)
412265.57	3727550.39	13.72164	(15120717)	412285.57			

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3727550.39       13.79361  (15120717)
        412305.57   3727550.39       13.85431  (15120717)                412325.57
3727550.39       13.90375  (15120717)
        412345.57   3727550.39       13.94092  (15120717)                412365.57
3727550.39       13.96728  (15120717)
        412145.57   3727570.39       13.98070  (15121017)                412165.57
3727570.39       13.87993  (15121017)
        412185.57   3727570.39       13.76896  (15121017)                412205.57
3727570.39       13.64744  (15121017)
        412225.57   3727570.39       13.51653  (15121017)                412245.57
3727570.39       13.54082  (15120717)
        412265.57   3727570.39       13.62537  (15120717)                412285.57
3727570.39       13.69902  (15120717)
        412305.57   3727570.39       13.76170  (15120717)                412325.57
3727570.39       13.81371  (15120717)
        412345.57   3727570.39       13.85299  (15120717)                412365.57
3727570.39       13.88173  (15120717)
        412145.57   3727590.39       13.91583  (15121017)                412165.57
3727590.39       13.81763  (15121017)
        412185.57   3727590.39       13.70916  (15121017)                412205.57
3727590.39       13.59060  (15121017)
        412225.57   3727590.39       13.46230  (15121017)                412245.57
3727590.39       13.44419  (15120717)
        412265.57   3727590.39       13.53028  (15120717)                412285.57
3727590.39       13.60558  (15120717)
        412305.57   3727590.39       13.67034  (15120717)                412325.57
3727590.39       13.72417  (15120717)
        412345.57   3727590.39       13.76556  (15120717)                412365.57
3727590.39       13.79654  (15120717)
        412145.57   3727610.39       13.85191  (15121017)                412165.57
3727610.39       13.75635  (15121017)
        412185.57   3727610.39       13.65052  (15121017)                412205.57
3727610.39       13.53465  (15121017)
        412225.57   3727610.39       13.40904  (15121017)                412245.57
3727610.39       13.34893  (15120717)
        412265.57   3727610.39       13.43615  (15120717)                412285.57
3727610.39       13.51282  (15120717)
        412305.57   3727610.39       13.57922  (15120717)                412325.57
3727610.39       13.63502  (15120717)
        412345.57   3727610.39       13.67858  (15120717)                412365.57
3727610.39       13.71172  (15120717)
        412145.57   3727630.39       13.78806  (15121017)                412165.57
3727630.39       13.69496  (15121017)
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                         ***       16:48:31

                                   PAGE 564
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SRCGP2 ***

INCLUDING SOURCE(S): L0000145 , L0000146 , L0000147 , L0000148 , L0000149 , L0000150 , L0000151 , L0000152 , L0000153 , L0000154 , L0000155 , L0000156 , L0000157 , L0000158 , L0000159 , L0000160 , L0000161 , L0000162 , L0000163 , L0000164 , L0000165 , L0000166 , L0000167 , L0000168 , L0000169 , L0000170 , L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
412185.57	3727630.39	13.59168	(15121017)	412205.57	3727630.39	13.47847	(15121017)
412225.57	3727630.39	13.35555	(15121017)	412245.57	3727630.39	13.25387	(15120717)
412265.57	3727630.39	13.34242	(15120717)	412285.57	3727630.39	13.42048	(15120717)
412305.57	3727630.39	13.48859	(15120717)	412325.57	3727630.39	13.54629	(15120717)
412345.57	3727630.39	13.59222	(15120717)	412365.57	3727630.39	13.62736	(15120717)
412145.57	3727650.39	13.72317	(15121017)	412165.57	3727650.39	13.63253	(15121017)
412185.57	3727650.39	13.53186	(15121017)	412205.57	3727650.39	13.42123	(15121017)
412225.57	3727650.39	13.30098	(15121017)	412245.57	3727650.39	13.17128	(15121017)
412265.57	3727650.39	13.24893	(15120717)	412285.57	3727650.39	13.32863	(15120717)
412305.57	3727650.39	13.39848	(15120717)	412325.57	3727650.39	13.45791	(15120717)
412345.57	3727650.39	13.50535	(15120717)	412365.57	3727650.39	13.54281	(15120717)
412145.57	3727670.39	13.65935	(15121017)	412165.57	3727670.39	13.57113	(15121017)
412185.57	3727670.39	13.47283	(15121017)	412205.57	3727670.39	13.36473	(15121017)
412225.57	3727670.39	13.24707	(15121017)	412245.57	3727670.39	13.12023	(15121017)

412265.57 3727670.39 13.15611 (15120717) 412285.57 3727670.39 13.23739 (15120717)
412305.57 3727670.39 13.30888 (15120717) 412325.57 3727670.39 13.37006 (15120717)
412345.57 3727670.39 13.41930 (15120717) 412365.57 3727670.39 13.45885 (15120717)
412145.57 3727690.39 13.59666 (15121017) 412165.57 3727690.39 13.51082 (15121017)
412185.57 3727690.39 13.41496 (15121017) 412205.57 3727690.39 13.30935 (15121017)
412225.57 3727690.39 13.19425 (15121017) 412245.57 3727690.39 13.07021 (15121017)
412265.57 3727690.39 13.06425 (15120717) 412285.57 3727690.39 13.14685 (15120717)
412305.57 3727690.39 13.21985 (15120717) 412325.57 3727690.39 13.28266 (15120717)
412345.57 3727690.39 13.33378 (15120717) 412365.57 3727690.39 13.37534 (15120717)
412145.57 3727710.39 13.53372 (15121017) 412165.57 3727710.39 13.45016 (15121017)
412185.57 3727710.39 13.35676 (15121017) 412205.57 3727710.39 13.25357 (15121017)
412225.57 3727710.39 13.14104 (15121017) 412245.57 3727710.39 13.01945 (15121017)
412265.57 3727710.39 12.97286 (15120717) 412285.57 3727710.39 13.05678 (15120717)
412305.57 3727710.39 13.13124 (15120717) 412325.57 3727710.39 13.19573 (15120717)
412345.57 3727710.39 13.24868 (15120717) 412365.57 3727710.39 13.29208 (15120717)
412145.57 3727730.39 13.46986 (15121017) 412165.57 3727730.39 13.38848 (15121017)
412185.57 3727730.39 13.29747 (15121017) 412205.57 3727730.39 13.19675 (15121017)
412225.57 3727730.39 13.08678 (15121017) 412245.57 3727730.39 12.96764 (15121017)
412265.57 3727730.39 12.88175 (15120717) 412285.57 3727730.39 12.96723 (15120717)
412305.57 3727730.39 13.04312 (15120717) 412325.57 3727730.39 13.10921 (15120717)
412345.57 3727730.39 13.16388 (15120717) 412365.57 3727730.39 13.20918 (15120717)
412145.57 3727750.39 13.40712 (15121017) 412165.57 3727750.39 13.32807 (15121017)
412185.57 3727750.39 13.23926 (15121017) 412205.57 3727750.39 13.14110 (15121017)
412225.57 3727750.39 13.03348 (15121017) 412245.57 3727750.39 12.91678 (15121017)
412265.57 3727750.39 12.79149 (15120717) 412285.57 3727750.39 12.87840 (15120717)

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SRCGP2 ***
INCLUDING SOURCE(S): L0000145 , L0000146 , L0000147 , L0000148 , L0000149 , L0000150 , L0000151 , L0000152 , L0000153 , L0000154 , L0000155 , L0000156 , L0000157 , L0000158 , L0000159 , L0000160 , L0000161 , L0000162 , L0000163 , L0000164 , L0000165 , L0000166 , L0000167 , L0000168 , L0000169 , L0000170 , L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
412345.57	3727750.39	13.07955	(15120717)	412365.57	3727750.39	13.12666	(15120717)
412145.57	3727770.39	13.34508	(15121017)	412165.57	3727770.39	13.26838	(15121017)
412185.57	3727770.39	13.18179	(15121017)	412205.57	3727770.39	13.08594	(15121017)
412225.57	3727770.39	12.98075	(15121017)	412245.57	3727770.39	12.86660	(15121017)
412265.57	3727770.39	12.74371	(15121017)	412285.57	3727770.39	12.79028	(15120717)
412305.57	3727770.39	12.86869	(15120717)	412325.57	3727770.39	12.93765	(15120717)
412345.57	3727770.39	12.99570	(15120717)	412365.57	3727770.39	13.04451	(15120717)
412145.57	3727790.39	13.28348	(15121017)	412165.57	3727790.39	13.20896	(15121017)
412185.57	3727790.39	13.12477	(15121017)	412205.57	3727790.39	13.03116	(15121017)
412225.57	3727790.39	12.92834	(15121017)	412245.57			

3727790.39 12.81662 (15121017)
412265.57 3727790.39 12.69623 (15121017) 412285.57
3727790.39 12.70283 (15120717)
412305.57 3727790.39 12.78255 (15120717) 412325.57
3727790.39 12.85254 (15120717)
412345.57 3727790.39 12.91221 (15120717) 412365.57
3727790.39 12.96280 (15120717)
412145.57 3727810.39 13.22106 (15121017) 412165.57
3727810.39 13.14862 (15121017)
412185.57 3727810.39 13.06658 (15121017) 412205.57
3727810.39 12.97533 (15121017)
412225.57 3727810.39 12.87483 (15121017) 412245.57
3727810.39 12.76560 (15121017)
412265.57 3727810.39 12.64760 (15121017) 412285.57
3727810.39 12.61504 (15120717)
412305.57 3727810.39 12.69609 (15120717) 412325.57
3727810.39 12.76750 (15120717)
412345.57 3727810.39 12.82916 (15120717) 412365.57
3727810.39 12.88155 (15120717)
412145.57 3727830.39 13.15993 (15121017) 412165.57
3727830.39 13.08964 (15121017)
412185.57 3727830.39 13.00978 (15121017) 412205.57
3727830.39 12.92076 (15121017)
412225.57 3727830.39 12.82257 (15121017) 412245.57
3727830.39 12.71557 (15121017)
412265.57 3727830.39 12.60015 (15121017) 412285.57
3727830.39 12.52869 (15120717)
412305.57 3727830.39 12.61094 (15120717) 412325.57
3727830.39 12.68381 (15120717)
412345.57 3727830.39 12.74714 (15120717) 412365.57
3727830.39 12.80107 (15120717)
412145.57 3727850.39 13.09858 (15121017) 412165.57
3727850.39 13.03036 (15121017)
412185.57 3727850.39 12.95273 (15121017) 412205.57
3727850.39 12.86595 (15121017)
412225.57 3727850.39 12.77005 (15121017) 412245.57
3727850.39 12.66531 (15121017)
412265.57 3727850.39 12.55218 (15121017) 412285.57
3727850.39 12.44252 (15120717)
412305.57 3727850.39 12.52600 (15120717) 412325.57
3727850.39 12.60021 (15120717)
412345.57 3727850.39 12.66505 (15120717) 412365.57
3727850.39 12.72044 (15120717)
412145.57 3727870.39 13.03685 (15121017) 412165.57
3727870.39 12.97023 (15121017)
412185.57 3727870.39 12.89466 (15121017) 412205.57
3727870.39 12.81083 (15121017)
412225.57 3727870.39 12.71669 (15121017) 412245.57
3727870.39 12.61379 (15121017)
412265.57 3727870.39 12.50293 (15121017) 412285.57

3727870.39   12.38382 (15121017)
        412305.57   3727870.39   12.44032 (15120717)   412325.57
3727870.39   12.51575 (15120717)
        412345.57   3727870.39   12.58207 (15120717)   412365.57
3727870.39   12.63983 (15120717)
        412145.57   3727890.39   12.97563 (15121017)   412165.57
3727890.39   12.91096 (15121017)
        412185.57   3727890.39   12.83755 (15121017)   412205.57
3727890.39   12.75593 (15121017)
        412225.57   3727890.39   12.66427 (15121017)   412245.57
3727890.39   12.56394 (15121017)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2   ***
                                    INCLUDING SOURCE(S):   L0000145   , L0000146
, L0000147   , L0000148   , L0000149   ,
                  L0000150   , L0000151   , L0000152   , L0000153   , L0000154
, L0000155   , L0000156   , L0000157   ,
                  L0000158   , L0000159   , L0000160   , L0000161   , L0000162
, L0000163   , L0000164   , L0000165   ,
                  L0000166   , L0000167   , L0000168   , L0000169   , L0000170
, L0000171   , L0000172   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        412265.57   3727890.39   12.45534 (15121017)   412285.57
3727890.39   12.33862 (15121017)
        412305.57   3727890.39   12.35661 (15120717)   412325.57
3727890.39   12.43339 (15120717)
        412345.57   3727890.39   12.50110 (15120717)   412365.57
3727890.39   12.55990 (15120717)
        412145.57   3727910.39   12.91482 (15121017)   412165.57
3727910.39   12.85214 (15121017)
        412185.57   3727910.39   12.78077 (15121017)   412205.57
3727910.39   12.70130 (15121017)

412225.57 3727910.39 12.61211 (15121017) 412245.57 3727910.39 12.51415 (15121017)
412265.57 3727910.39 12.40787 (15121017) 412285.57 3727910.39 12.29347 (15121017)
412305.57 3727910.39 12.27341 (15120717) 412325.57 3727910.39 12.35137 (15120717)
412345.57 3727910.39 12.42036 (15120717) 412365.57 3727910.39 12.48037 (15120717)
412145.57 3727930.39 12.85430 (15121017) 412165.57 3727930.39 12.79358 (15121017)
412185.57 3727930.39 12.72427 (15121017) 412205.57 3727930.39 12.64686 (15121017)
412225.57 3727930.39 12.55934 (15121017) 412245.57 3727930.39 12.46330 (15121017)
412265.57 3727930.39 12.35915 (15121017) 412285.57 3727930.39 12.24705 (15121017)
412305.57 3727930.39 12.18968 (15120717) 412325.57 3727930.39 12.26889 (15120717)
412345.57 3727930.39 12.33905 (15120717) 412365.57 3727930.39 12.40121 (15120717)
412145.57 3727950.39 12.79420 (15121017) 412165.57 3727950.39 12.73548 (15121017)
412185.57 3727950.39 12.66787 (15121017) 412205.57 3727950.39 12.59257 (15121017)
412225.57 3727950.39 12.50707 (15121017) 412245.57 3727950.39 12.41286 (15121017)
412265.57 3727950.39 12.31099 (15121017) 412285.57 3727950.39 12.20122 (15121017)
412305.57 3727950.39 12.10690 (15120717) 412325.57 3727950.39 12.18724 (15120717)
412345.57 3727950.39 12.25873 (15120717) 412365.57 3727950.39 12.32248 (15120717)
412145.57 3727970.39 12.73440 (15121017) 412165.57 3727970.39 12.67745 (15121017)
412185.57 3727970.39 12.61178 (15121017) 412205.57 3727970.39 12.53847 (15121017)
412225.57 3727970.39 12.45508 (15121017) 412245.57 3727970.39 12.36318 (15121017)
412265.57 3727970.39 12.26353 (15121017) 412285.57 3727970.39 12.15594 (15121017)
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412345.57 3727970.39 12.17933 (15120717) 412365.57 3727970.39 12.24419 (15120717)
412145.57 3727990.39 12.67490 (15121017) 412165.57 3727990.39 12.61972 (15121017)
412185.57 3727990.39 12.55587 (15121017) 412205.57 3727990.39 12.48458 (15121017)
412225.57 3727990.39 12.40383 (15121017) 412245.57 3727990.39 12.31443 (15121017)

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3727990.39       12.16633  (15120717)
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        412185.57   3728010.39       12.50032  (15121017)               412205.57
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        412225.57   3728010.39       12.35155  (15121017)               412245.57
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        412305.57   3728010.39       11.95425  (15121017)               412325.57
3728010.39       11.94615  (15120717)
        412345.57   3728010.39       12.02135  (15120717)               412365.57
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 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                        ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        16:48:31

                                   PAGE 567
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SRCGP2   ***
                                   INCLUDING SOURCE(S):     L0000145    , L0000146
, L0000147    , L0000148    , L0000149    ,
                L0000150    , L0000151    , L0000152    , L0000153    , L0000154
, L0000155    , L0000156    , L0000157    ,
                L0000158    , L0000159    , L0000160    , L0000161    , L0000162
, L0000163    , L0000164    , L0000165    ,
                L0000166    , L0000167    , L0000168    , L0000169    , L0000170
, L0000171    , L0000172    ,  . . .      ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
        412185.57   3728030.39       12.44485  (15121017)               412205.57
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3728070.39 12.39165 (15121017)
412185.57 3728070.39 12.33496 (15121017) 412205.57
3728070.39 12.27122 (15121017)
412225.57 3728070.39 12.19830 (15121017) 412245.57
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3728110.39 12.27854 (15121017)
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        412305.57   3728150.39       11.65410  (15121017)                412325.57
3728150.39       11.55064  (15121017)
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                         ***        16:48:31

                                    PAGE 568
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SRCGP2   ***
                                    INCLUDING SOURCE(S):     L0000145    , L0000146
, L0000147    , L0000148    , L0000149    ,
                L0000150    , L0000151    , L0000152    , L0000153    , L0000154
, L0000155    , L0000156    , L0000157    ,
                L0000158    , L0000159    , L0000160    , L0000161    , L0000162
, L0000163    , L0000164    , L0000165    ,
                L0000166    , L0000167    , L0000168    , L0000169    , L0000170
, L0000171    , L0000172    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
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** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
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412185.57	3728170.39	12.06480	(15121017)	412205.57	3728170.39	12.00870	(15121017)
412225.57	3728170.39	11.94475	(15121017)	412245.57	3728170.39	11.87283	(15121017)
412265.57	3728170.39	11.79321	(15121017)	412285.57	3728170.39	11.70606	(15121017)
412305.57	3728170.39	11.61156	(15121017)	412325.57	3728170.39	11.51000	(15121017)
412345.57	3728170.39	11.40809	(15120717)	412365.57	3728170.39	11.48369	(15120717)
412145.57	3728190.39	12.09424	(15121017)	412165.57	3728190.39	12.05716	(15121017)
412185.57	3728190.39	12.01087	(15121017)	412205.57	3728190.39	11.95621	(15121017)
412225.57	3728190.39	11.89380	(15121017)	412245.57	3728190.39	11.82358	(15121017)
412265.57	3728190.39	11.74586	(15121017)	412285.57	3728190.39	11.66054	(15121017)
412305.57	3728190.39	11.56798	(15121017)	412325.57	3728190.39	11.46826	(15121017)
412345.57	3728190.39	11.36191	(15121017)	412365.57	3728190.39	11.40983	(15120717)
412145.57	3728210.39	12.03798	(15121017)	412165.57	3728210.39	12.00223	(15121017)
412185.57	3728210.39	11.95745	(15121017)	412205.57	3728210.39	11.90438	(15121017)
412225.57	3728210.39	11.84376	(15121017)	412245.57	3728210.39	11.77543	(15121017)
412265.57	3728210.39	11.69944	(15121017)	412285.57	3728210.39	11.61603	(15121017)
412305.57	3728210.39	11.52540	(15121017)	412325.57	3728210.39	11.42766	(15121017)
412345.57	3728210.39	11.32319	(15121017)	412365.57	3728210.39	11.33648	(15120717)
412145.57	3728230.39	11.98216	(15121017)	412165.57	3728230.39	11.94757	(15121017)
412185.57	3728230.39	11.90426	(15121017)	412205.57	3728230.39	11.85299	(15121017)

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        412305.57   3728230.39       11.48312  (15121017)               412325.57
3728230.39       11.38735  (15121017)
        412345.57   3728230.39       11.28471  (15121017)               412365.57
3728230.39       11.26357  (15120717)
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 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                        ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        16:48:31

                                   PAGE 569
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SRCGP2   ***
                                   INCLUDING SOURCE(S):     L0000145    , L0000146
, L0000147    , L0000148    , L0000149    ,
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                L0000150    , L0000151    , L0000152    , L0000153    , L0000154
, L0000155    , L0000156    , L0000157    ,
                L0000158    , L0000159    , L0000160    , L0000161    , L0000162
, L0000163    , L0000164    , L0000165    ,
                L0000166    , L0000167    , L0000168    , L0000169    , L0000170
, L0000171    , L0000172    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                      ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
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        412305.57   3728290.39       11.35477  (15121017)               412325.57
3728290.39       11.26450  (15121017)
        412345.57   3728290.39       11.16774  (15121017)               412365.57
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        412185.57   3728310.39       11.69291  (15121017)               412205.57
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        412225.57   3728310.39       11.59604  (15121017)               412245.57
3728310.39       11.53586  (15121017)
        412265.57   3728310.39       11.46869  (15121017)               412285.57
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        412305.57   3728310.39       11.31260  (15121017)               412325.57
3728310.39       11.22411  (15121017)
        412345.57   3728310.39       11.12923  (15121017)               412365.57
3728310.39       11.02829  (15121017)
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        412225.57   3728330.39       11.54748  (15121017)               412245.57
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3728370.39       11.49749  (15121017)
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3728370.39       11.26178  (15121017)
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3728370.39       11.10240  (15121017)
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3728390.39       11.51711  (15121017)
        412185.57   3728390.39       11.48536  (15121017)                412205.57
3728390.39       11.44741  (15121017)
        412225.57   3728390.39       11.40035  (15121017)                412245.57
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3728390.39       10.88047  (15121017)
        412145.57   3728410.39       11.48712  (15121017)                412165.57
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        412225.57   3728410.39       11.35240  (15121017)                412245.57
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3728410.39       11.02210  (15121017)
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3728430.39       11.41195  (15121017)
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SRCGP2 ***
INCLUDING SOURCE(S): L0000145 , L0000146 , L0000147 , L0000148 , L0000149 ,
L0000150 , L0000151 , L0000152 , L0000153 , L0000154 , L0000155 , L0000156 , L0000157 ,
L0000158 , L0000159 , L0000160 , L0000161 , L0000162 , L0000163 , L0000164 , L0000165 ,
L0000166 , L0000167 , L0000168 , L0000169 , L0000170 , L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
412185.57	3728430.39	11.38309	(15121017)	412205.57	3728430.39	11.34784	(15121017)
412225.57	3728430.39	11.30431	(15121017)	412245.57	3728430.39	11.25363	(15121017)
412265.57	3728430.39	11.19597	(15121017)	412285.57	3728430.39	11.13139	(15121017)
412305.57	3728430.39	11.06000	(15121017)	412325.57	3728430.39	10.98195	(15121017)
412345.57	3728430.39	10.89748	(15121017)	412365.57	3728430.39	10.80682	(15121017)
412145.57	3728450.39	11.38001	(15121017)	412165.57	3728450.39	11.35981	(15121017)
412185.57	3728450.39	11.33221	(15121017)	412205.57	3728450.39	11.29835	(15121017)
412225.57	3728450.39	11.25572	(15121017)	412245.57	3728450.39	11.20634	(15121017)
412265.57	3728450.39	11.15017	(15121017)	412285.57	3728450.39	11.08724	(15121017)
412305.57	3728450.39	11.01736	(15121017)	412325.57	3728450.39	10.94116	(15121017)
412345.57	3728450.39	10.85830	(15121017)	412365.57	3728450.39	10.76984	(15121017)
412145.57	3728470.39	11.32684	(15121017)	412165.57	3728470.39	11.30793	(15121017)

412185.57 3728470.39 11.28158 (15121017) 412205.57 3728470.39 11.24912 (15121017)
412225.57 3728470.39 11.20777 (15121017) 412245.57 3728470.39 11.15987 (15121017)
412265.57 3728470.39 11.10505 (15121017) 412285.57 3728470.39 11.04365 (15121017)
412305.57 3728470.39 10.97557 (15121017) 412325.57 3728470.39 10.90080 (15121017)
412345.57 3728470.39 10.81962 (15121017) 412365.57 3728470.39 10.73298 (15121017)
412145.57 3728490.39 11.27377 (15121017) 412165.57 3728490.39 11.25621 (15121017)
412185.57 3728490.39 11.23112 (15121017) 412205.57 3728490.39 11.20005 (15121017)
412225.57 3728490.39 11.16024 (15121017) 412245.57 3728490.39 11.11377 (15121017)
412265.57 3728490.39 11.06058 (15121017) 412285.57 3728490.39 11.00063 (15121017)
412305.57 3728490.39 10.93409 (15121017) 412325.57 3728490.39 10.86091 (15121017)
412345.57 3728490.39 10.78152 (15121017) 412365.57 3728490.39 10.69618 (15121017)
412145.57 3728510.39 11.22103 (15121017) 412165.57 3728510.39 11.20466 (15121017)
412185.57 3728510.39 11.18099 (15121017) 412205.57 3728510.39 11.15117 (15121017)
412225.57 3728510.39 11.11338 (15121017) 412245.57 3728510.39 11.06847 (15121017)
412265.57 3728510.39 11.01672 (15121017) 412285.57 3728510.39 10.95827 (15121017)
412305.57 3728510.39 10.89316 (15121017) 412325.57 3728510.39 10.82153 (15121017)
412345.57 3728510.39 10.74360 (15121017) 412365.57 3728510.39 10.65945 (15121017)
412145.57 3728530.39 11.16867 (15121017) 412165.57 3728530.39 11.15340 (15121017)
412185.57 3728530.39 11.13112 (15121017) 412205.57 3728530.39 11.10251 (15121017)
412225.57 3728530.39 11.06536 (15121017) 412245.57 3728530.39 11.02165 (15121017)
412265.57 3728530.39 10.97140 (15121017) 412285.57 3728530.39 10.91450 (15121017)
412305.57 3728530.39 10.85089 (15121017) 412325.57 3728530.39 10.78089 (15121017)
412345.57 3728530.39 10.70461 (15121017) 412365.57 3728530.39 10.62266 (15121017)
412145.57 3728550.39 11.11700 (15121017) 412165.57 3728550.39 11.10276 (15121017)
412185.57 3728550.39 11.08142 (15121017) 412205.57 3728550.39 11.05405 (15121017)

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SRCGP2 ***
INCLUDING SOURCE(S): L0000145 , L0000146 , L0000147 , L0000148 , L0000149 ,
L0000150 , L0000151 , L0000152 , L0000153 , L0000154 , L0000155 , L0000156 , L0000157 ,
L0000158 , L0000159 , L0000160 , L0000161 , L0000162 , L0000163 , L0000164 , L0000165 ,
L0000166 , L0000167 , L0000168 , L0000169 , L0000170 , L0000171 , L0000172 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
412345.57	3728550.39	10.66593	(15121017)	412365.57	3728550.39	10.58593	(15121017)
412145.57	3728570.39	11.06555	(15121017)	412165.57	3728570.39	11.05230	(15121017)
412185.57	3728570.39	11.03189	(15121017)	412205.57	3728570.39	11.00583	(15121017)
412225.57	3728570.39	10.97121	(15121017)	412245.57	3728570.39	10.93001	(15121017)
412265.57	3728570.39	10.88255	(15121017)	412285.57	3728570.39	10.82839	(15121017)
412305.57	3728570.39	10.76784	(15121017)	412325.57	3728570.39	10.70096	(15121017)
412345.57	3728570.39	10.62778	(15121017)	412365.57	3728570.39	10.54926	(15121017)
412145.57	3728590.39	11.01421	(15121017)	412165.57			

3728590.39 11.00205 (15121017)
412185.57 3728590.39 10.98260 (15121017) 412205.57
3728590.39 10.95783 (15121017)
412225.57 3728590.39 10.92508 (15121017) 412245.57
3728590.39 10.88554 (15121017)
412265.57 3728590.39 10.83941 (15121017) 412285.57
3728590.39 10.78671 (15121017)
412305.57 3728590.39 10.72756 (15121017) 412325.57
3728590.39 10.66208 (15121017)
412345.57 3728590.39 10.59046 (15121017) 412365.57
3728590.39 10.51268 (15121017)
412145.57 3728610.39 10.96316 (15121017) 412165.57
3728610.39 10.95200 (15121017)
412185.57 3728610.39 10.93372 (15121017) 412205.57
3728610.39 10.90997 (15121017)
412225.57 3728610.39 10.87800 (15121017) 412245.57
3728610.39 10.83973 (15121017)
412265.57 3728610.39 10.79499 (15121017) 412285.57
3728610.39 10.74362 (15121017)
412305.57 3728610.39 10.68578 (15121017) 412325.57
3728610.39 10.62191 (15121017)
412345.57 3728610.39 10.55190 (15121017) 412365.57
3728610.39 10.47606 (15121017)
412145.57 3728630.39 10.91252 (15121017) 412165.57
3728630.39 10.90231 (15121017)
412185.57 3728630.39 10.88530 (15121017) 412205.57
3728630.39 10.86243 (15121017)
412225.57 3728630.39 10.83155 (15121017) 412245.57
3728630.39 10.79452 (15121017)
412265.57 3728630.39 10.75109 (15121017) 412285.57
3728630.39 10.70111 (15121017)
412305.57 3728630.39 10.64468 (15121017) 412325.57
3728630.39 10.58213 (15121017)
412345.57 3728630.39 10.51356 (15121017) 412365.57
3728630.39 10.43953 (15121017)
412145.57 3728650.39 10.86208 (15121017) 412165.57
3728650.39 10.85313 (15121017)
412185.57 3728650.39 10.83742 (15121017) 412205.57
3728650.39 10.81506 (15121017)
412225.57 3728650.39 10.78597 (15121017) 412245.57
3728650.39 10.75030 (15121017)
412265.57 3728650.39 10.70814 (15121017) 412285.57
3728650.39 10.65952 (15121017)
412305.57 3728650.39 10.60460 (15121017) 412325.57
3728650.39 10.54346 (15121017)
412345.57 3728650.39 10.47623 (15121017) 412365.57
3728650.39 10.40305 (15121017)
412145.57 3728670.39 10.81131 (15121017) 412165.57
3728670.39 10.80337 (15121017)
412185.57 3728670.39 10.78875 (15121017) 412205.57

3728670.39   10.76746 (15121017)
        412225.57   3728670.39   10.73957 (15121017)   412245.57
3728670.39   10.70513 (15121017)
        412265.57   3728670.39   10.66431 (15121017)   412285.57
3728670.39   10.61703 (15121017)
        412305.57   3728670.39   10.56342 (15121017)   412325.57
3728670.39   10.50374 (15121017)
        412345.57   3728670.39   10.43786 (15121017)   412365.57
3728670.39   10.36661 (15121017)
        412145.57   3728690.39   10.76155 (15121017)   412165.57
3728690.39   10.75455 (15121017)
        412185.57   3728690.39   10.74105 (15121017)   412205.57
3728690.39   10.72087 (15121017)
        412225.57   3728690.39   10.69419 (15121017)   412245.57
3728690.39   10.66104 (15121017)

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: SRCGP2   ***
                                   INCLUDING SOURCE(S):   L0000145   , L0000146
, L0000147   , L0000148   , L0000149   ,
                L0000150   , L0000151   , L0000152   , L0000153   , L0000154
, L0000155   , L0000156   , L0000157   ,
                L0000158   , L0000159   , L0000160   , L0000161   , L0000162
, L0000163   , L0000164   , L0000165   ,
                L0000166   , L0000167   , L0000168   , L0000169   , L0000170
, L0000171   , L0000172   , . . .   ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                         ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        412265.57   3728690.39   10.62142 (15121017)   412285.57
3728690.39   10.57548 (15121017)
        412305.57   3728690.39   10.52322 (15121017)   412325.57
3728690.39   10.46502 (15121017)
        412345.57   3728690.39   10.40067 (15121017)   412365.57
3728690.39   10.33024 (15121017)

412145.57 3728710.39 10.71183 (15121017) 412165.57 3728710.39 10.70624 (15121017)
412185.57 3728710.39 10.69328 (15121017) 412205.57 3728710.39 10.67421 (15121017)
412225.57 3728710.39 10.64867 (15121017) 412245.57 3728710.39 10.61671 (15121017)
412265.57 3728710.39 10.57827 (15121017) 412285.57 3728710.39 10.53358 (15121017)
412305.57 3728710.39 10.48269 (15121017) 412325.57 3728710.39 10.42586 (15121017)
412345.57 3728710.39 10.36295 (15121017) 412365.57 3728710.39 10.29390 (15121017)
412145.57 3728730.39 10.66166 (15121017) 412165.57 3728730.39 10.65749 (15121017)
412185.57 3728730.39 10.64520 (15121017) 412205.57 3728730.39 10.62712 (15121017)
412225.57 3728730.39 10.60270 (15121017) 412245.57 3728730.39 10.57187 (15121017)
412265.57 3728730.39 10.53473 (15121017) 412285.57 3728730.39 10.49134 (15121017)
412305.57 3728730.39 10.44179 (15121017) 412325.57 3728730.39 10.38614 (15121017)
412345.57 3728730.39 10.32467 (15121017) 412365.57 3728730.39 10.25758 (15121017)
412145.57 3728750.39 10.61202 (15121017) 412165.57 3728750.39 10.60906 (15121017)
412185.57 3728750.39 10.59769 (15121017) 412205.57 3728750.39 10.58066 (15121017)
412225.57 3728750.39 10.55731 (15121017) 412245.57 3728750.39 10.52766 (15121017)
412265.57 3728750.39 10.49170 (15121017) 412285.57 3728750.39 10.44958 (15121017)
412305.57 3728750.39 10.40136 (15121017) 412325.57 3728750.39 10.34706 (15121017)
412345.57 3728750.39 10.28692 (15121017) 412365.57 3728750.39 10.22134 (15121017)
412145.57 3728770.39 10.56335 (15121017) 412165.57 3728770.39 10.56095 (15121017)
412185.57 3728770.39 10.55117 (15121017) 412205.57 3728770.39 10.53526 (15121017)
412225.57 3728770.39 10.51300 (15121017) 412245.57 3728770.39 10.48444 (15121017)
412265.57 3728770.39 10.44970 (15121017) 412285.57 3728770.39 10.40883 (15121017)
412305.57 3728770.39 10.36182 (15121017) 412325.57 3728770.39 10.30892 (15121017)
412345.57 3728770.39 10.25010 (15121017) 412365.57 3728770.39 10.18523 (15121017)
412145.57 3728790.39 10.51470 (15121017) 412165.57 3728790.39 10.51298 (15121017)

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        412185.57   3728790.39       10.50377  (15121017)                412205.57
3728790.39       10.48888  (15121017)
        412225.57   3728790.39       10.46774  (15121017)                412245.57
3728790.39       10.44028  (15121017)
        412265.57   3728790.39       10.40684  (15121017)                412285.57
3728790.39       10.36716  (15121017)
        412305.57   3728790.39       10.32141  (15121017)                412325.57
3728790.39       10.26987  (15121017)
        412345.57   3728790.39       10.21245  (15121017)                412365.57
3728790.39       10.14912  (15121017)
        412145.57   3728810.39       10.46585  (15121017)                412165.57
3728810.39       10.46524  (15121017)
        412185.57   3728810.39       10.45679  (15121017)                412205.57
3728810.39       10.44281  (15121017)
        412225.57   3728810.39       10.42279  (15121017)                412245.57
3728810.39       10.39640  (15121017)
        412265.57   3728810.39       10.36401  (15121017)                412285.57
3728810.39       10.32553  (15121017)
        412305.57   3728810.39       10.28105  (15121017)                412325.57
3728810.39       10.23060  (15121017)
        412345.57   3728810.39       10.17453  (15121017)                412365.57
3728810.39       10.11307  (15121017)
        412145.57   3728830.39       10.41757  (15121017)                412165.57
3728830.39       10.41780  (15121017)
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                         ***        16:48:31

                                    PAGE 573
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SRCGP2   ***
                                    INCLUDING SOURCE(S):     L0000145    , L0000146
, L0000147    , L0000148    , L0000149    ,
                   L0000150    , L0000151    , L0000152    , L0000153    , L0000154
, L0000155    , L0000156    , L0000157    ,
                   L0000158    , L0000159    , L0000160    , L0000161    , L0000162
, L0000163    , L0000164    , L0000165    ,
                   L0000166    , L0000167    , L0000168    , L0000169    , L0000170
, L0000171    , L0000172    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
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Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
        412185.57   3728830.39       10.41024  (15121017)                412205.57
3728830.39       10.39730  (15121017)
        412225.57   3728830.39       10.37813  (15121017)                412245.57
3728830.39       10.35300  (15121017)
        412265.57   3728830.39       10.32186  (15121017)                412285.57
3728830.39       10.28442  (15121017)
        412305.57   3728830.39       10.24109  (15121017)                412325.57
3728830.39       10.19208  (15121017)
        412345.57   3728830.39       10.13729  (15121017)                412365.57
3728830.39       10.07710  (15121017)
        412145.57   3728850.39       10.36956  (15121017)                412165.57
3728850.39       10.37068  (15121017)
        412185.57   3728850.39       10.36482  (15121017)                412205.57
3728850.39       10.35293  (15121017)
        412225.57   3728850.39       10.33488  (15121017)                412245.57
3728850.39       10.31073  (15121017)
        412265.57   3728850.39       10.28056  (15121017)                412285.57
3728850.39       10.24435  (15121017)
        412305.57   3728850.39       10.20225  (15121017)                412325.57
3728850.39       10.15440  (15121017)
        412345.57   3728850.39       10.10077  (15121017)                412365.57
3728850.39       10.04122  (15121017)
        412145.57   3728870.39       10.32174  (15121017)                412165.57
3728870.39       10.32362  (15121017)
        412185.57   3728870.39       10.31791  (15121017)                412205.57
3728870.39       10.30699  (15121017)
        412225.57   3728870.39       10.28991  (15121017)                412245.57
3728870.39       10.26691  (15121017)
        412265.57   3728870.39       10.23778  (15121017)                412285.57
3728870.39       10.20284  (15121017)
        412305.57   3728870.39       10.16197  (15121017)                412325.57
3728870.39       10.11540  (15121017)
        412345.57   3728870.39       10.06311  (15121017)                412365.57
3728870.39       10.00536  (15121017)
        412145.57   3728890.39       10.27434  (15121017)                412165.57
3728890.39       10.27694  (15121017)
        412185.57   3728890.39       10.27178  (15121017)                412205.57
3728890.39       10.26179  (15121017)
        412225.57   3728890.39       10.24579  (15121017)                412245.57
3728890.39       10.22379  (15121017)
        412265.57   3728890.39       10.33438  (15121017)                412285.57
3728890.39       10.30025  (15121017)
        412305.57   3728890.39       10.21446  (15121017)                412325.57
3728890.39       10.21180  (15121017)
        412345.57   3728890.39       10.15919  (15121017)                412365.57
3728890.39        9.96961  (15121017)
        412145.57   3728910.39       10.22701  (15121017)                412165.57
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3728910.39       10.23045  (15121017)
        412185.57   3728910.39       10.22647  (15121017)                412205.57
3728910.39       10.21736  (15121017)
        412225.57   3728910.39       10.20214  (15121017)                412245.57
3728910.39       10.18119  (15121017)
        412265.57   3728910.39       10.15429  (15121017)                412285.57
3728910.39       10.21416  (15121017)
        412305.57   3728910.39       10.17491  (15121017)                412325.57
3728910.39       10.03889  (15121017)
        412345.57   3728910.39        9.98908  (15121017)                412365.57
3728910.39        9.93397  (15121017)
        412145.57   3728930.39       10.17981  (15121017)                412165.57
3728930.39       10.18431  (15121017)
        412185.57   3728930.39       10.18193  (15121017)                412205.57
3728930.39       10.17374  (15121017)
        412225.57   3728930.39       10.15963  (15121017)                412245.57
3728930.39       10.13958  (15121017)
        412265.57   3728930.39       10.11371  (15121017)                412285.57
3728930.39       10.08202  (15121017)
        412305.57   3728930.39       10.04462  (15121017)                412325.57
3728930.39       10.00152  (15121017)
        412345.57   3728930.39        9.95281  (15121017)                412365.57
3728930.39        9.89835  (15121017)
        412145.57   3728950.39       10.13303  (15121017)                412165.57
3728950.39       10.13819  (15121017)
        412185.57   3728950.39       10.13610  (15121017)                412205.57
3728950.39       10.12878  (15121017)
        412225.57   3728950.39       10.11552  (15121017)                412245.57
3728950.39       10.09646  (15121017)
        412265.57   3728950.39       10.07167  (15121017)                412285.57
3728950.39       10.08636  (15121017)
        412305.57   3728950.39       10.04957  (15121017)                412325.57
3728950.39       10.05340  (15121017)
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                         ***        16:48:31

                                    PAGE 574
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  SRCGP2   ***
                                    INCLUDING SOURCE(S):     L0000145    , L0000146
, L0000147    , L0000148    , L0000149    ,
                L0000150    , L0000151    , L0000152    , L0000153    , L0000154
, L0000155    , L0000156    , L0000157    ,
                L0000158    , L0000159    , L0000160    , L0000161    , L0000162
, L0000163    , L0000164    , L0000165    ,
                L0000166    , L0000167    , L0000168    , L0000169    , L0000170
```

, L0000171   , L0000172   , . . .   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10   IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
412345.57	3728950.39	10.04742	(15121017)	412365.57	3728950.39	9.86282	(15121017)
412145.57	3728970.39	10.08614	(15121017)	412165.57	3728970.39	10.09239	(15121017)
412185.57	3728970.39	10.09100	(15121017)	412205.57	3728970.39	10.17772	(15121017)
412225.57	3728970.39	10.16529	(15121017)	412245.57	3728970.39	10.19292	(15121017)
412265.57	3728970.39	10.16750	(15121017)	412285.57	3728970.39	10.13853	(15121017)
412305.57	3728970.39	10.10232	(15121017)	412325.57	3728970.39	10.06033	(15121017)
412345.57	3728970.39	10.14594	(15121017)	412365.57	3728970.39	9.82736	(15121017)
412145.57	3728990.39	10.03987	(15121017)	412165.57	3728990.39	10.04688	(15121017)
412185.57	3728990.39	10.04674	(15121017)	412205.57	3728990.39	10.04102	(15121017)
412225.57	3728990.39	10.02976	(15121017)	412245.57	3728990.39	10.01259	(15121017)
412265.57	3728990.39	9.98992	(15121017)	412285.57	3728990.39	9.96143	(15121017)
412305.57	3728990.39	9.92721	(15121017)	412325.57	3728990.39	9.93156	(15121017)
412345.57	3728990.39	9.97419	(15121017)	412365.57	3728990.39	9.83469	(15121017)
412145.57	3729010.39	9.99381	(15121017)	412165.57	3729010.39	10.00131	(15121017)
412185.57	3729010.39	10.00253	(15121017)	412205.57	3729010.39	9.99780	(15121017)
412225.57	3729010.39	9.98736	(15121017)	412245.57	3729010.39	9.97118	(15121017)
412265.57	3729010.39	9.94937	(15121017)	412285.57	3729010.39	9.92191	(15121017)
412305.57	3729010.39	9.88881	(15121017)	412325.57	3729010.39	9.85029	(15121017)
412345.57	3729010.39	9.80616	(15121017)	412365.57	3729010.39	9.84462	(15121017)

```
        411515.35   3723339.37      229.88648  (16110817)                411566.95
3723321.50      228.15628  (15010617)
        411209.71   3721870.71      147.93168  (16112917)                410711.56
3722303.37      158.37110  (16122217)
        411481.61   3723222.27      303.69301  (16110817)                412561.33
3728653.10       10.40536  (15120717)
        413259.39   3728649.87       15.53523  (13122717)                412826.33
3727832.22       20.19322  (13122717)
        412377.11   3727858.08       12.71743  (15120717)                412380.35
3728258.82       11.21473  (15120717)
        412583.95   3728262.05       11.71903  (15120717)

 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
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 *** AERMET - VERSION  16216 ***   ***
                        ***        16:48:31

                                   PAGE 575
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                        *** THE SUMMARY OF MAXIMUM PERIOD ( 43848
HRS) RESULTS ***


                                     ** CONC OF PM_10    IN MICROGRAMS/M**3
             **


                      NETWORK
GROUP ID                     AVERAGE CONC               RECEPTOR  (XR, YR, ZELEV,
ZHILL, ZFLAG)  OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - -

SRCGP1    1ST HIGHEST VALUE IS       9.46730 AT (  412985.54,  3727995.78,     4.42,
   11.32,    0.00)  DC
          2ND HIGHEST VALUE IS       5.57036 AT (  413259.39,  3728649.87,     9.98,
   11.96,    0.00)  DC
          3RD HIGHEST VALUE IS       5.38307 AT (  413174.78,  3728204.09,     4.01,
   12.00,    0.00)  DC
          4TH HIGHEST VALUE IS       5.12814 AT (  413254.78,  3728404.09,     9.29,
   12.66,    0.00)  DC
          5TH HIGHEST VALUE IS       5.05751 AT (  413174.78,  3728184.09,     3.87,
   12.00,    0.00)  DC
          6TH HIGHEST VALUE IS       5.00828 AT (  413254.78,  3728384.09,     8.63,
   12.66,    0.00)  DC
          7TH HIGHEST VALUE IS       4.87411 AT (  413254.78,  3728364.09,     8.48,
   12.66,    0.00)  DC
          8TH HIGHEST VALUE IS       4.83152 AT (  413134.78,  3728104.09,     4.53,
   11.58,    0.00)  DC
```

```
          9TH HIGHEST VALUE IS       4.78913 AT (  413194.78,  3728204.09,     5.67,
   12.00,    0.00)  DC
         10TH HIGHEST VALUE IS       4.75194 AT (  413174.78,  3728164.09,     6.24,
    7.10,    0.00)  DC

SRCGP2    1ST HIGHEST VALUE IS      19.21231 AT (  411327.04,  3723000.34,     3.26,
    3.26,    0.00)  DC
          2ND HIGHEST VALUE IS       7.27107 AT (  411218.80,  3722915.26,     2.73,
    2.73,    0.00)  DC
          3RD HIGHEST VALUE IS       6.48629 AT (  411218.80,  3722935.26,     2.50,
    2.50,    0.00)  DC
          4TH HIGHEST VALUE IS       6.40296 AT (  411198.80,  3722895.26,     2.54,
    2.54,    0.00)  DC
          5TH HIGHEST VALUE IS       5.80165 AT (  411198.80,  3722915.26,     2.49,
    2.49,    0.00)  DC
          6TH HIGHEST VALUE IS       5.76319 AT (  411218.80,  3722955.26,     2.38,
    2.38,    0.00)  DC
          7TH HIGHEST VALUE IS       5.66933 AT (  411178.80,  3722875.26,     2.49,
    2.49,    0.00)  DC
          8TH HIGHEST VALUE IS       5.49515 AT (  411481.61,  3723222.27,     4.86,
    4.86,    0.00)  DC
          9TH HIGHEST VALUE IS       5.23767 AT (  411198.80,  3722935.26,     2.33,
    2.33,    0.00)  DC
         10TH HIGHEST VALUE IS       5.19864 AT (  411178.80,  3722895.26,     2.44,
    2.44,    0.00)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
↟ *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                         ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        16:48:31

                                  PAGE 576
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                                *** THE SUMMARY OF HIGHEST  1-HR
RESULTS ***


                                  ** CONC OF PM_10    IN MICROGRAMS/M**3
             **

                                                      DATE
                                        NETWORK
GROUP ID                             AVERAGE CONC     (YYMMDDHH)             RECEPTOR
(XR, YR, ZELEV, ZHILL, ZFLAG)    OF TYPE  GRID-ID
```

```
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -

SRCGP1   HIGH   1ST HIGH VALUE IS     377.65885  ON 16112917: AT (  412826.33,
3727832.22,    10.58,    11.91,    0.00)  DC

SRCGP2   HIGH   1ST HIGH VALUE IS     590.47923  ON 14111717: AT (  411327.04,
3723000.34,     3.26,     3.26,    0.00)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
↑ *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                         ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***       16:48:31

                                 PAGE 577
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

 *** Message Summary : AERMOD Model Execution ***

  --------- Summary of Total Messages --------

 A Total of           0 Fatal Error Message(s)
 A Total of           2 Warning Message(s)
 A Total of        1864 Informational Message(s)

 A Total of       43848 Hours Were Processed

 A Total of        1500 Calm Hours Identified

 A Total of         364 Missing Hours Identified (  0.83 Percent)


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***


    ********   WARNING MESSAGES   ********
 ME W186    3418       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
     0.50
 ME W187    3418       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET


    ************************************
    *** AERMOD Finishes Successfully ***
    ************************************
```

```
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***       05/26/20
 *** AERMET - VERSION  16216 ***   ***
                         ***       16:48:31

                                   PAGE   1
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                              ***     MODEL SETUP OPTIONS SUMMARY
 ***
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - -

 **Model Is Setup For Calculation of Average CONCentration Values.

   --  DEPOSITION LOGIC  --
 **NO GAS DEPOSITION Data Provided.
 **NO PARTICLE DEPOSITION Data Provided.
 **Model Uses NO DRY DEPLETION.  DRYDPLT  =  F
 **Model Uses NO WET DEPLETION.  WETDPLT  =  F

 **Model Uses URBAN Dispersion Algorithm for the SBL for   233 Source(s),
   for Total of    1 Urban Area(s):
   Urban Population =   3010232.0 ;  Urban Roughness Length =  1.000 m

 **Model Uses Regulatory DEFAULT Options:
         1. Stack-tip Downwash.
         2. Model Accounts for ELEVated Terrain Effects.
         3. Use Calms Processing Routine.
         4. Use Missing Data Processing Routine.
         5. No Exponential Decay.
         6. Urban Roughness Length of 1.0 Meter Assumed.

 **Other Options Specified:
         ADJ_U*   - Use ADJ_U* option for SBL in AERMET
         CCVR_Sub - Meteorological data includes CCVR substitutions
         TEMP_Sub - Meteorological data includes TEMP substitutions

 **Model Assumes No FLAGPOLE Receptor Heights.

 **The User Specified a Pollutant Type of:  PM_10

 **Model Calculates  1 Short Term Average(s) of:   1-HR
     and Calculates PERIOD Averages

 **This Run Includes:    233 Source(s);       2 Source Group(s); and    5329
Receptor(s)

                with:      0 POINT(s), including
                           0 POINTCAP(s) and      0 POINTHOR(s)
```

```
                and:    233 VOLUME source(s)
                and:      0 AREA type source(s)
                and:      0 LINE source(s)
                and:      0 RLINE/RLINEXT source(s)
                and:      0 OPENPIT source(s)
                and:      0 BUOYANT LINE source(s) with      0 line(s)


 **Model Set To Continue RUNning After the Setup Testing.

 **The AERMET Input Meteorological Data Version Date:  16216

 **Output Options Selected:
         Model Outputs Tables of PERIOD Averages by Receptor
         Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE
Keyword)
         Model Outputs External File(s) of High Values for Plotting (PLOTFILE
Keyword)
         Model Outputs Separate Summary File of High Ranked Values (SUMMFILE
Keyword)

 **NOTE:  The Following Flags May Appear Following CONC Values:  c for Calm Hours
                                                                 m for Missing Hours
                                                                 b for Both Calm and
Missing Hours

 **Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =    17.00 ;  Decay
Coef. =    0.000     ;  Rot. Angle =     0.0
                 Emission Units = GRAMS/SEC                                 ;
Emission Rate Unit Factor =   0.10000E+07
                 Output Units   = MICROGRAMS/M**3

 **Approximate Storage Requirements of Model =      4.6 MB of RAM.

 **Input Runstream File:          aermod.inp

 **Output Print File:             aermod.out


 **Detailed Error/Message File:   OCSD.ERR

 **File for Summary of Results:   OCSD.SUM

 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                          ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                         ***       16:48:31

                                   PAGE   2
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
```

*** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***

(1=YES; 0=NO)

```
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
```

NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***

(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: JOHNWAYNEINT'LAIRPORTADJU\KSNA_V9_ADJU\KSNA_V9.SFC
Met Version: 16216
Profile file: JOHNWAYNEINT'LAIRPORTADJU\KSNA_V9_ADJU\KSNA_V9.PFL

Surface format: FREE

Profile format: FREE

Surface station no.: 93184 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN

Year: 2012 Year: 2012

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
12	01	01	1	01	-4.5	0.082	-9.000	-9.000	-999.	56.	11.0	0.12	2.65	1.00	0.87	62.	5.8	283.8	2.0
12	01	01	1	02	-3.5	0.073	-9.000	-9.000	-999.	47.	9.9	0.12	2.65	1.00	0.77	27.	5.8	283.1	2.0
12	01	01	1	03	-3.5	0.073	-9.000	-9.000	-999.	47.	9.9	0.12	2.65	1.00	0.77	336.	5.8	283.1	2.0
12	01	01	1	04	-3.3	0.070	-9.000	-9.000	-999.	45.	9.7	0.12	2.65	1.00	0.74	34.	5.8	283.1	2.0
12	01	01	1	05	-3.0	0.068	-9.000	-9.000	-999.	42.	9.4	0.12	2.65	1.00	0.70	154.	5.8	282.5	2.0
12	01	01	1	06	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.12	2.65	1.00	0.00	0.	5.8	282.0	2.0
12	01	01	1	07	-2.0	0.059	-9.000	-9.000	-999.	34.	9.0	0.12	2.65	1.00	0.55	343.	5.8	281.4	2.0
12	01	01	1	08	-2.6	0.066	-9.000	-9.000	-999.	40.	9.7	0.12	2.65	0.53	0.69	25.	5.8	281.4	2.0
12	01	01	1	09	21.6	0.133	0.252	0.010	27.	116.	-9.9	0.12	2.65	0.31	1.03	344.	5.8	282.5	2.0
12	01	01	1	10	115.6	0.162	0.713	0.008	114.	156.	-3.3	0.12	2.65	0.24	1.06	233.	5.8	286.4	2.0
12	01	01	1	11	160.9	0.126	1.129	0.005	325.	108.	-1.1	0.12	2.65	0.21	0.67	261.	5.8	291.4	2.0
12	01	01	1	12	187.0	0.138	1.467	0.005	614.	123.	-1.3	0.12	2.65	0.20	0.75	252.	5.8	294.9	2.0
12	01	01	1	13	186.9	0.189	1.755	0.005	1051.	197.	-3.3	0.12	2.65	0.20	1.23	280.	5.8	297.5	2.0
12	01	01	1	14	168.3	0.247	1.857	0.005	1383.	295.	-8.1	0.12	2.65	0.21	1.86	268.	5.8	299.2	2.0
12	01	01	1	15	115.3	0.275	1.688	0.005	1517.	346.	-16.3	0.12	2.65	0.24	2.25	248.	5.8	298.1	2.0
12	01	01	1	16	41.5	0.262	1.211	0.005	1552.	322.	-39.2	0.12	2.65	0.33	2.32	227.	5.8	295.9	2.0
12	01	01	1	17	-17.9	0.217	-9.000	-9.000	-999.	244.	52.0	0.12	2.65	0.60	2.18	227.	5.8	292.5	2.0
12	01	01	1	18	-24.7	0.250	-9.000	-9.000	-999.	300.	68.7	0.12	2.65	1.00	2.50	219.	5.8	288.8	2.0
12	01	01	1	19	-5.2	0.088	-9.000	-9.000	-999.	91.	12.0	0.12	2.65	1.00	0.94	201.	5.8	287.5	2.0
12	01	01	1	20	-3.5	0.073	-9.000	-9.000	-999.	47.	10.0	0.12	2.65						

```
1.00    0.77  259.    5.8  287.0    2.0
 12 01 01   1 21   -2.6  0.064 -9.000 -9.000 -999.   39.      9.1  0.12   2.65
1.00    0.65  264.    5.8  286.4    2.0
 12 01 01   1 22   -4.4  0.081 -9.000 -9.000 -999.   55.     10.9  0.12   2.65
1.00    0.86  211.    5.8  285.9    2.0
 12 01 01   1 23   -4.2  0.079 -9.000 -9.000 -999.   53.     10.7  0.12   2.65
1.00    0.84  247.    5.8  284.9    2.0
 12 01 01   1 24   -7.1  0.103 -9.000 -9.000 -999.   80.     14.1  0.12   2.65
1.00    1.09  236.    5.8  283.8    2.0


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 12 01 01 01    5.8 1   62.    0.87   283.8   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                         ***       05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***       16:48:31

                                   PAGE   4
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                       *** THE SUMMARY OF MAXIMUM PERIOD ( 43848
HRS) RESULTS ***


                                    ** CONC OF PM_10    IN MICROGRAMS/M**3
             **


                      NETWORK
GROUP ID                     AVERAGE CONC               RECEPTOR  (XR, YR, ZELEV,
ZHILL, ZFLAG)  OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - -

SRCGP1    1ST HIGHEST VALUE IS      9.46730 AT (  412985.54,  3727995.78,     4.42,
   11.32,    0.00)  DC
          2ND HIGHEST VALUE IS      5.57036 AT (  413259.39,  3728649.87,     9.98,
   11.96,    0.00)  DC
          3RD HIGHEST VALUE IS      5.38307 AT (  413174.78,  3728204.09,     4.01,
   12.00,    0.00)  DC
          4TH HIGHEST VALUE IS      5.12814 AT (  413254.78,  3728404.09,     9.29,
   12.66,    0.00)  DC
          5TH HIGHEST VALUE IS      5.05751 AT (  413174.78,  3728184.09,     3.87,
   12.00,    0.00)  DC
          6TH HIGHEST VALUE IS      5.00828 AT (  413254.78,  3728384.09,     8.63,
   12.66,    0.00)  DC
```

```
          7TH HIGHEST VALUE IS       4.87411 AT (  413254.78,  3728364.09,     8.48,
   12.66,    0.00)  DC
          8TH HIGHEST VALUE IS       4.83152 AT (  413134.78,  3728104.09,     4.53,
   11.58,    0.00)  DC
          9TH HIGHEST VALUE IS       4.78913 AT (  413194.78,  3728204.09,     5.67,
   12.00,    0.00)  DC
         10TH HIGHEST VALUE IS       4.75194 AT (  413174.78,  3728164.09,     6.24,
    7.10,    0.00)  DC

SRCGP2    1ST HIGHEST VALUE IS      19.21231 AT (  411327.04,  3723000.34,     3.26,
    3.26,    0.00)  DC
          2ND HIGHEST VALUE IS       7.27107 AT (  411218.80,  3722915.26,     2.73,
    2.73,    0.00)  DC
          3RD HIGHEST VALUE IS       6.48629 AT (  411218.80,  3722935.26,     2.50,
    2.50,    0.00)  DC
          4TH HIGHEST VALUE IS       6.40296 AT (  411198.80,  3722895.26,     2.54,
    2.54,    0.00)  DC
          5TH HIGHEST VALUE IS       5.80165 AT (  411198.80,  3722915.26,     2.49,
    2.49,    0.00)  DC
          6TH HIGHEST VALUE IS       5.76319 AT (  411218.80,  3722955.26,     2.38,
    2.38,    0.00)  DC
          7TH HIGHEST VALUE IS       5.66933 AT (  411178.80,  3722875.26,     2.49,
    2.49,    0.00)  DC
          8TH HIGHEST VALUE IS       5.49515 AT (  411481.61,  3723222.27,     4.86,
    4.86,    0.00)  DC
          9TH HIGHEST VALUE IS       5.23767 AT (  411198.80,  3722935.26,     2.33,
    2.33,    0.00)  DC
         10TH HIGHEST VALUE IS       5.19864 AT (  411178.80,  3722895.26,     2.44,
    2.44,    0.00)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
↟ *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                        ***       05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***       16:48:31

                                  PAGE   5
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                                 *** THE SUMMARY OF HIGHEST  1-HR
RESULTS ***


                                  ** CONC OF PM_10    IN MICROGRAMS/M**3
              **
```

```
                                                    DATE
                                          NETWORK
GROUP ID                           AVERAGE CONC     (YYMMDDHH)             RECEPTOR
(XR, YR, ZELEV, ZHILL, ZFLAG)    OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -

SRCGP1   HIGH   1ST HIGH VALUE IS     377.65885  ON 16112917: AT (  412826.33,
3727832.22,    10.58,    11.91,    0.00)  DC

SRCGP2   HIGH   1ST HIGH VALUE IS     590.47923  ON 14111717: AT (  411327.04,
3723000.34,     3.26,     3.26,    0.00)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
 *** AERMOD - VERSION  19191 ***   *** C:\USERS\APOLL\DESKTOP\HARP2\OCSD\OCSD.ISC
                        ***        05/26/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        16:48:31

                                  PAGE   6
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

 *** Message Summary : AERMOD Model Execution ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            2 Warning Message(s)
 A Total of         1864 Informational Message(s)

 A Total of        43848 Hours Were Processed

 A Total of         1500 Calm Hours Identified

 A Total of          364 Missing Hours Identified (  0.83 Percent)


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***


    ********   WARNING MESSAGES   ********
 ME W186    3418       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
     0.50
 ME W187    3418       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET
```

HARP2 - HRACalc (dated 19044) 6/2/2020 2:58:06 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: All
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: -0.25
Total Exposure Duration: 20

Exposure Duration Bin Distribution
3rd Trimester Bin: 0.25
0<2 Years Bin: 2
2<9 Years Bin: 0
2<16 Years Bin: 14
16<30 Years Bin: 4
16 to 70 Years Bin: 0

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: True
Water: False
Fish: False
Homegrown crops: True
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: RMP

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
3rd Trimester to 16 years: OFF
16 years to 70 years: OFF

****
SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.02
Soil mixing depth (m): 0.01
Dermal climate: Warm

****
HOMEGROWN CROP PATHWAY SETTINGS

Household type: HouseholdsthatGarden
Fraction leafy: 0.137
Fraction exposed: 0.137
Fraction protected: 0.137
Fraction root: 0.137

****
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.
Tier2 - What was changed: ED or start age changed|
Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to:
C:\Users\apoll\Desktop\HARP2\OCSD\HARP\Combined\COMBINED\hra\Residential-UnmitigatedCancerRisk.csv
Cancer risk total by receptor saved to:
C:\Users\apoll\Desktop\HARP2\OCSD\HARP\Combined\COMBINED\hra\Residential-UnmitigatedCancerRiskSumByRec.csv
Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to:
C:\Users\apoll\Desktop\HARP2\OCSD\HARP\Combined\COMBINED\hra\Residential-UnmitigatedNCChronicRisk.csv
Chronic risk total by receptor saved to:
C:\Users\apoll\Desktop\HARP2\OCSD\HARP\Combined\COMBINED\hra\Residential-UnmitigatedNCChronicRiskSumByRec.csv
Calculating acute risk
Acute risk breakdown by pollutant and receptor saved to:
C:\Users\apoll\Desktop\HARP2\OCSD\HARP\Combined\COMBINED\hra\Residential-UnmitigatedNCAcuteRisk.csv
Acute risk total by receptor saved to:
C:\Users\apoll\Desktop\HARP2\OCSD\HARP\Combined\COMBINED\hra\Residential-UnmitigatedNCAcuteRiskSumByRec.csv

HRA ran successfully

HARP2 - HRACalc (dated 19044) 6/2/2020 3:01:21 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: All
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: -0.25
Total Exposure Duration: 20

Exposure Duration Bin Distribution
3rd Trimester Bin: 0.25
0<2 Years Bin: 2
2<9 Years Bin: 0
2<16 Years Bin: 14
16<30 Years Bin: 4
16 to 70 Years Bin: 0

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: True
Water: False
Fish: False
Homegrown crops: True
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: RMP

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
3rd Trimester to 16 years: OFF
16 years to 70 years: OFF

****
SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.02
Soil mixing depth (m): 0.01
Dermal climate: Warm

****
HOMEGROWN CROP PATHWAY SETTINGS

Household type: HouseholdsthatGarden
Fraction leafy: 0.137
Fraction exposed: 0.137
Fraction protected: 0.137
Fraction root: 0.137

****
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.
Tier2 - What was changed: ED or start age changed|
Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to:
C:\Users\apoll\Desktop\HARP2\OCSD\HARP\Combined\COMBINED\hra\Residential-MitigatedCancerRisk.csv
Cancer risk total by receptor saved to:
C:\Users\apoll\Desktop\HARP2\OCSD\HARP\Combined\COMBINED\hra\Residential-MitigatedCancerRiskSumByRec.csv
Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to:
C:\Users\apoll\Desktop\HARP2\OCSD\HARP\Combined\COMBINED\hra\Residential-MitigatedNCChronicRisk.csv
Chronic risk total by receptor saved to:
C:\Users\apoll\Desktop\HARP2\OCSD\HARP\Combined\COMBINED\hra\Residential-MitigatedNCChronicRiskSumByRec.csv
Calculating acute risk
Acute risk breakdown by pollutant and receptor saved to:
C:\Users\apoll\Desktop\HARP2\OCSD\HARP\Combined\COMBINED\hra\Residential-MitigatedNCAcuteRisk.csv
Acute risk total by receptor saved to:
C:\Users\apoll\Desktop\HARP2\OCSD\HARP\Combined\COMBINED\hra\Residential-MitigatedNCAcuteRiskSumByRec.csv

HRA ran successfully

```
** Lakes Environmental AERMOD MPI
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 9.9.0
** Lakes Environmental Software Inc.
** Date: 10/21/2020
** File: F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD E-GEN.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD E-GEN.isc
   MODELOPT DFAULT CONC
   AVERTIME 1 PERIOD
   URBANOPT 3010232
   POLLUTID PM_10
   RUNORNOT RUN
   ERRORFIL "OCSD E-GEN.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION STCK1        POINT      400229.840  3736049.210        3.120
** DESCRSRC Seal Point Pump Station Emergency Generator
** Source Parameters **
   SRCPARAM STCK1              1.0     2.195   703.483  36.40389     0.406

** Building Downwash **
   BUILDHGT STCK1            4.88     4.88     0.00     0.00     0.00     0.00
   BUILDHGT STCK1            4.88     4.88     4.88     0.00     0.00     0.00
   BUILDHGT STCK1            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDHGT STCK1            4.88     4.88     4.88     4.88     4.88     4.88
   BUILDHGT STCK1            4.88     4.88     4.88     0.00     0.00     0.00
   BUILDHGT STCK1            0.00     0.00     0.00     0.00     0.00     0.00

   BUILDWID STCK1           20.51    20.18     0.00     0.00     0.00     0.00
```

```
   BUILDWID STCK1           19.00    19.41    19.22     0.00     0.00     0.00
   BUILDWID STCK1            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDWID STCK1           20.51    20.18    19.25    17.73    16.72    18.02
   BUILDWID STCK1           19.00    19.41    19.22     0.00     0.00     0.00
   BUILDWID STCK1            0.00     0.00     0.00     0.00     0.00     0.00

   BUILDLEN STCK1           18.45    17.12     0.00     0.00     0.00     0.00
   BUILDLEN STCK1           17.80    19.30    20.21     0.00     0.00     0.00
   BUILDLEN STCK1            0.00     0.00     0.00     0.00     0.00     0.00
   BUILDLEN STCK1           18.45    17.12    15.27    12.96    13.24    15.76
   BUILDLEN STCK1           17.80    19.30    20.21     0.00     0.00     0.00
   BUILDLEN STCK1            0.00     0.00     0.00     0.00     0.00     0.00

   XBADJ    STCK1            4.94     7.48     0.00     0.00     0.00     0.00
   XBADJ    STCK1            8.66     6.67     4.49     0.00     0.00     0.00
   XBADJ    STCK1            0.00     0.00     0.00     0.00     0.00     0.00
   XBADJ    STCK1          -23.39   -24.60   -25.07   -24.78   -25.01   -26.13
   XBADJ    STCK1          -26.45   -25.97   -24.70     0.00     0.00     0.00
   XBADJ    STCK1            0.00     0.00     0.00     0.00     0.00     0.00

   YBADJ    STCK1          -12.42    -9.88     0.00     0.00     0.00     0.00
   YBADJ    STCK1            6.23     9.18    11.85     0.00     0.00     0.00
   YBADJ    STCK1            0.00     0.00     0.00     0.00     0.00     0.00
   YBADJ    STCK1           12.42     9.88     7.03     3.97     0.26    -3.09
   YBADJ    STCK1           -6.23    -9.18   -11.85     0.00     0.00     0.00
   YBADJ    STCK1            0.00     0.00     0.00     0.00     0.00     0.00

   URBANSRC ALL
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED "OCSD E-GEN.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE ..\LongBeachAirportADJU\KLGB_V9_ADJU\KLGB_v9.SFC
   PROFFILE ..\LongBeachAirportADJU\KLGB_V9_ADJU\KLGB_v9.PFL
   SURFDATA 23129 2012
   UAIRDATA 3190 2012
```

```
   PROFBASE 10.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST "OCSD E-GEN.AD\01H1GALL.PLT" 31
   PLOTFILE PERIOD ALL "OCSD E-GEN.AD\PE00GALL.PLT" 32
   SUMMFILE "OCSD E-GEN.sum"
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            2 Warning Message(s)
 A Total of            0 Informational Message(s)


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***


    ********   WARNING MESSAGES   ********
 ME W186     101       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
     0.50
 ME W187     101       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET


 ***********************************
 *** SETUP Finishes Successfully ***
 ***********************************

 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        10:15:03

                                  PAGE   1
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                             ***     MODEL SETUP OPTIONS SUMMARY
```

```
 ***
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -

 **Model Is Setup For Calculation of Average CONCentration Values.

   --  DEPOSITION LOGIC  --
 **NO GAS DEPOSITION Data Provided.
 **NO PARTICLE DEPOSITION Data Provided.
 **Model Uses NO DRY DEPLETION.  DRYDPLT  =  F
 **Model Uses NO WET DEPLETION.  WETDPLT  =  F

 **Model Uses URBAN Dispersion Algorithm for the SBL for     1 Source(s),
   for Total of    1 Urban Area(s):
   Urban Population =   3010232.0 ;  Urban Roughness Length =  1.000 m

 **Model Uses Regulatory DEFAULT Options:
         1. Stack-tip Downwash.
         2. Model Accounts for ELEVated Terrain Effects.
         3. Use Calms Processing Routine.
         4. Use Missing Data Processing Routine.
         5. No Exponential Decay.
         6. Urban Roughness Length of 1.0 Meter Assumed.

 **Other Options Specified:
         ADJ_U*   - Use ADJ_U* option for SBL in AERMET
         CCVR_Sub - Meteorological data includes CCVR substitutions
         TEMP_Sub - Meteorological data includes TEMP substitutions

 **Model Assumes No FLAGPOLE Receptor Heights.

 **The User Specified a Pollutant Type of:  PM_10

 **Model Calculates  1 Short Term Average(s) of:   1-HR
     and Calculates PERIOD Averages

 **This Run Includes:      1 Source(s);       1 Source Group(s); and    6069
Receptor(s)

                with:      1 POINT(s), including
                           0 POINTCAP(s) and      0 POINTHOR(s)
                 and:      0 VOLUME source(s)
                 and:      0 AREA type source(s)
                 and:      0 LINE source(s)
                 and:      0 RLINE/RLINEXT source(s)
                 and:      0 OPENPIT source(s)
                 and:      0 BUOYANT LINE source(s) with      0 line(s)


 **Model Set To Continue RUNning After the Setup Testing.
```

 **The AERMET Input Meteorological Data Version Date: 16216

 **Output Options Selected:
         Model Outputs Tables of PERIOD Averages by Receptor
         Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE
Keyword)
         Model Outputs External File(s) of High Values for Plotting (PLOTFILE
Keyword)
         Model Outputs Separate Summary File of High Ranked Values (SUMMFILE
Keyword)

 **NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
                                                                 m for Missing Hours
                                                                 b for Both Calm and
Missing Hours

 **Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) =   10.00 ; Decay
Coef. =   0.000   ; Rot. Angle =   0.0
                 Emission Units = GRAMS/SEC   ;
Emission Rate Unit Factor =   0.10000E+07
                 Output Units   = MICROGRAMS/M**3

 **Approximate Storage Requirements of Model =   4.2 MB of RAM.

 **Input Runstream File: aermod.inp

 **Output Print File: aermod.out

 **Detailed Error/Message File: OCSD E-GEN.err

 **File for Summary of Results: OCSD E-GEN.sum

 *** AERMOD - VERSION 19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc   ***   10/21/20
 *** AERMET - VERSION 16216 ***   ***
                       ***   10:15:03

                                  PAGE   2
 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                                *** POINT SOURCE DATA ***

              NUMBER EMISSION RATE   BASE   STACK   STACK
STACK   STACK   BLDG   URBAN CAP/ EMIS RATE
   SOURCE   PART. (GRAMS/SEC)   X   Y   ELEV.   HEIGHT TEMP.   EXIT
VEL. DIAMETER EXISTS SOURCE HOR   SCALAR
     ID   CATS.   (METERS) (METERS) (METERS) (METERS) (DEG.K)

```
(M/SEC)  (METERS)                     VARY BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -

 STCK1            0   0.10000E+01  400229.8 3736049.2     3.1     2.19   703.48
36.40     0.41    YES     YES   NO
⏧ *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        10:15:03

                                  PAGE   3
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                     *** SOURCE IDs DEFINING SOURCE GROUPS ***

 SRCGROUP ID                                          SOURCE IDs
 -----------                                          ----------


  ALL        STCK1       ,
⏧ *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        10:15:03

                                  PAGE   4
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                     *** SOURCE IDs DEFINED AS URBAN SOURCES
***

  URBAN ID   URBAN POP                                 SOURCE IDs
  --------   ---------                                 ----------


              3010232.   STCK1       ,
⏧ *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        10:15:03

                                  PAGE   5
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                     *** DIRECTION SPECIFIC BUILDING DIMENSIONS
***
```

SOURCE ID: STCK1

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	4.9,	20.5,	18.4,	4.9,	-12.4,	2	4.9,	20.2,	17.1,	7.5,	-9.9,
3	0.0,	0.0,	0.0,	0.0,	0.0,	4	0.0,	0.0,	0.0,	0.0,	0.0,
5	0.0,	0.0,	0.0,	0.0,	0.0,	6	0.0,	0.0,	0.0,	0.0,	0.0,
7	4.9,	19.0,	17.8,	8.7,	6.2,	8	4.9,	19.4,	19.3,	6.7,	9.2,
9	4.9,	19.2,	20.2,	4.5,	11.9,	10	0.0,	0.0,	0.0,	0.0,	0.0,
11	0.0,	0.0,	0.0,	0.0,	0.0,	12	0.0,	0.0,	0.0,	0.0,	0.0,
13	0.0,	0.0,	0.0,	0.0,	0.0,	14	0.0,	0.0,	0.0,	0.0,	0.0,
15	0.0,	0.0,	0.0,	0.0,	0.0,	16	0.0,	0.0,	0.0,	0.0,	0.0,
17	0.0,	0.0,	0.0,	0.0,	0.0,	18	0.0,	0.0,	0.0,	0.0,	0.0,
19	4.9,	20.5,	18.4,	-23.4,	12.4,	20	4.9,	20.2,	17.1,	-24.6,	9.9,
21	4.9,	19.2,	15.3,	-25.1,	7.0,	22	4.9,	17.7,	13.0,	-24.8,	4.0,
23	4.9,	16.7,	13.2,	-25.0,	0.3,	24	4.9,	18.0,	15.8,	-26.1,	-3.1,
25	4.9,	19.0,	17.8,	-26.4,	-6.2,	26	4.9,	19.4,	19.3,	-26.0,	-9.2,
27	4.9,	19.2,	20.2,	-24.7,	-11.9,	28	0.0,	0.0,	0.0,	0.0,	0.0,
29	0.0,	0.0,	0.0,	0.0,	0.0,	30	0.0,	0.0,	0.0,	0.0,	0.0,
31	0.0,	0.0,	0.0,	0.0,	0.0,	32	0.0,	0.0,	0.0,	0.0,	0.0,
33	0.0,	0.0,	0.0,	0.0,	0.0,	34	0.0,	0.0,	0.0,	0.0,	0.0,
35	0.0,	0.0,	0.0,	0.0,	0.0,	36	0.0,	0.0,	0.0,	0.0,	0.0,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***

(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(398682.8, 3736051.9, 3.4, 3.4, 0.0); (398702.8, 3736051.9, 3.4, 3.4, 0.0);
(398722.8, 3736051.9, 3.3, 3.3, 0.0); (398742.8, 3736051.9, 3.2, 3.2, 0.0);
(398762.8, 3736051.9, 3.1, 3.1, 0.0); (398782.8, 3736051.9, 3.1, 3.1, 0.0);
(398802.8, 3736051.9, 3.0, 3.0, 0.0); (398822.8, 3736051.9, 2.9, 2.9, 0.0);
(398842.8, 3736051.9, 2.8, 2.8, 0.0); (398862.8, 3736051.9, 2.7, 2.7, 0.0);
(398882.8, 3736051.9, -0.7, 2.9, 0.0); (398902.8, 3736051.9, 2.4, 2.4, 0.0);
(398922.8, 3736051.9, 2.3, 2.3, 0.0); (398942.8, 3736051.9, 1.9, 1.9, 0.0);
(398962.8, 3736051.9, 1.7, 1.7, 0.0); (398982.8, 3736051.9, 2.1, 2.1, 0.0);
(399002.8, 3736051.9, 2.1, 2.1, 0.0); (399022.8, 3736051.9, 2.1, 2.1, 0.0);
(399042.8, 3736051.9, 2.2, 2.2, 0.0); (399062.8, 3736051.9, 2.3, 2.3, 0.0);
(399082.8, 3736051.9, 2.3, 2.3, 0.0); (399102.8, 3736051.9, 2.4, 2.4, 0.0);
(399122.8, 3736051.9, 2.4, 2.4, 0.0); (399142.8, 3736051.9, 2.4, 2.4, 0.0);
(399162.8, 3736051.9, 2.4, 2.4, 0.0); (399182.8, 3736051.9, 2.4, 2.4, 0.0);
(399202.8, 3736051.9, 2.4, 2.4, 0.0); (399222.8, 3736051.9, 2.4, 2.4, 0.0);
(399242.8, 3736051.9, 2.3, 2.3, 0.0); (399262.8, 3736051.9, 2.3, 2.3, 0.0);
(399282.8, 3736051.9, 2.2, 2.2, 0.0); (399302.8, 3736051.9, 2.3, 2.3, 0.0);
(399322.8, 3736051.9, 2.4, 2.4, 0.0); (399342.8, 3736051.9, 2.4, 2.4, 0.0);
(399362.8, 3736051.9, 2.4, 2.4, 0.0); (399382.8, 3736051.9, 2.4, 2.4, 0.0);
(399402.8, 3736051.9, 2.4, 2.4, 0.0); (399422.8, 3736051.9, 2.5, 2.5, 0.0);
(399442.8, 3736051.9, 2.5, 2.5, 0.0); (399462.8, 3736051.9, 2.5, 2.5, 0.0);
(399482.8, 3736051.9, 2.6, 2.6, 0.0); (399502.8, 3736051.9, 2.6, 2.6, 0.0);
(399522.8, 3736051.9, 2.6, 2.6, 0.0); (399542.8, 3736051.9, 2.7, 2.7, 0.0);
(399562.8, 3736051.9, 2.7, 2.7, 0.0); (399582.8, 3736051.9, 2.8, 2.8, 0.0);
(399602.8, 3736051.9, 2.8, 2.8, 0.0); (399622.8,

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3736051.9,       2.8,       2.8,       0.0);
     ( 399642.8, 3736051.9,       2.9,       2.9,       0.0);         ( 399662.8,
3736051.9,       2.9,       2.9,       0.0);
     ( 399682.8, 3736051.9,       2.9,       2.9,       0.0);         ( 399702.8,
3736051.9,       2.9,       2.9,       0.0);
     ( 399722.8, 3736051.9,       2.9,       2.9,       0.0);         ( 399742.8,
3736051.9,       2.9,       2.9,       0.0);
     ( 399762.8, 3736051.9,       2.9,       2.9,       0.0);         ( 399782.8,
3736051.9,       2.9,       2.9,       0.0);
     ( 399802.8, 3736051.9,       2.8,       2.8,       0.0);         ( 399822.8,
3736051.9,       2.7,       2.7,       0.0);
     ( 399842.8, 3736051.9,       2.8,       2.8,       0.0);         ( 399862.8,
3736051.9,       2.7,       2.7,       0.0);
     ( 399882.8, 3736051.9,       2.7,       2.7,       0.0);         ( 399902.8,
3736051.9,       2.8,       2.8,       0.0);
     ( 399922.8, 3736051.9,       2.8,       2.8,       0.0);         ( 399942.8,
3736051.9,       2.8,       2.8,       0.0);
     ( 399962.8, 3736051.9,       2.9,       2.9,       0.0);         ( 399982.8,
3736051.9,       2.4,       2.4,       0.0);
     ( 398682.8, 3736071.9,       3.2,       3.2,       0.0);         ( 398702.8,
3736071.9,       3.2,       3.2,       0.0);
     ( 398722.8, 3736071.9,       3.2,       3.2,       0.0);         ( 398742.8,
3736071.9,       3.3,       3.3,       0.0);
     ( 398762.8, 3736071.9,       3.3,       3.3,       0.0);         ( 398782.8,
3736071.9,       3.3,       3.3,       0.0);
     ( 398802.8, 3736071.9,       3.3,       3.3,       0.0);         ( 398822.8,
3736071.9,       3.1,       3.1,       0.0);
     ( 398842.8, 3736071.9,       2.7,       2.7,       0.0);         ( 398862.8,
3736071.9,       2.6,       2.6,       0.0);
     ( 398882.8, 3736071.9,      -0.6,       2.9,       0.0);         ( 398902.8,
3736071.9,       2.5,       2.5,       0.0);
     ( 398922.8, 3736071.9,       2.5,       2.5,       0.0);         ( 398942.8,
3736071.9,       1.9,       1.9,       0.0);
     ( 398962.8, 3736071.9,       1.6,       2.4,       0.0);         ( 398982.8,
3736071.9,       2.5,       2.5,       0.0);
     ( 399002.8, 3736071.9,       2.5,       2.5,       0.0);         ( 399022.8,
3736071.9,       2.5,       2.5,       0.0);
     ( 399042.8, 3736071.9,       2.6,       2.6,       0.0);         ( 399062.8,
3736071.9,       2.6,       2.6,       0.0);
     ( 399082.8, 3736071.9,       2.6,       2.6,       0.0);         ( 399102.8,
3736071.9,       2.7,       2.7,       0.0);
     ( 399122.8, 3736071.9,       2.7,       2.7,       0.0);         ( 399142.8,
3736071.9,       2.7,       2.7,       0.0);
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                                   ***        10:15:03

                                    PAGE   7
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(399162.8, 3736071.9, 2.6, 2.6, 0.0); (399182.8, 3736071.9, 2.6, 2.6, 0.0);
(399202.8, 3736071.9, 2.6, 2.6, 0.0); (399222.8, 3736071.9, 2.6, 2.6, 0.0);
(399242.8, 3736071.9, 2.3, 2.3, 0.0); (399262.8, 3736071.9, 2.4, 2.4, 0.0);
(399282.8, 3736071.9, 2.4, 2.4, 0.0); (399302.8, 3736071.9, 2.3, 2.3, 0.0);
(399322.8, 3736071.9, 2.4, 2.4, 0.0); (399342.8, 3736071.9, 2.5, 2.5, 0.0);
(399362.8, 3736071.9, 2.5, 2.5, 0.0); (399382.8, 3736071.9, 2.5, 2.5, 0.0);
(399402.8, 3736071.9, 2.3, 2.3, 0.0); (399422.8, 3736071.9, 2.3, 2.3, 0.0);
(399442.8, 3736071.9, 2.3, 2.3, 0.0); (399462.8, 3736071.9, 2.4, 2.4, 0.0);
(399482.8, 3736071.9, 2.5, 2.5, 0.0); (399502.8, 3736071.9, 2.5, 2.5, 0.0);
(399522.8, 3736071.9, 2.6, 2.6, 0.0); (399542.8, 3736071.9, 2.9, 2.9, 0.0);
(399562.8, 3736071.9, 2.9, 2.9, 0.0); (399582.8, 3736071.9, 2.9, 2.9, 0.0);
(399602.8, 3736071.9, 3.0, 3.0, 0.0); (399622.8, 3736071.9, 3.0, 3.0, 0.0);
(399642.8, 3736071.9, 3.0, 3.0, 0.0); (399662.8, 3736071.9, 3.1, 3.1, 0.0);
(399682.8, 3736071.9, 3.1, 3.1, 0.0); (399702.8, 3736071.9, 3.1, 3.1, 0.0);
(399722.8, 3736071.9, 3.1, 3.1, 0.0); (399742.8, 3736071.9, 3.0, 3.0, 0.0);
(399762.8, 3736071.9, 3.0, 3.0, 0.0); (399782.8, 3736071.9, 2.9, 2.9, 0.0);
(399802.8, 3736071.9, 3.0, 3.0, 0.0); (399822.8, 3736071.9, 2.9, 2.9, 0.0);
(399842.8, 3736071.9, 2.9, 2.9, 0.0); (399862.8, 3736071.9, 2.7, 2.7, 0.0);
(399882.8, 3736071.9, 2.7, 2.7, 0.0); (399902.8, 3736071.9, 2.8, 2.8, 0.0);
(399922.8, 3736071.9, 2.7, 2.7, 0.0); (399942.8, 3736071.9, 2.7, 2.7, 0.0);
(399962.8, 3736071.9, 2.6, 2.6, 0.0); (399982.8, 3736071.9, 2.4, 2.4, 0.0);
(398682.8, 3736091.9, 3.1, 3.1, 0.0); (398702.8, 3736091.9, 3.2, 3.2, 0.0);
(398722.8, 3736091.9, 3.2, 3.2, 0.0); (398742.8,

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3736091.9,       3.2,       3.2,       0.0);
     ( 398762.8, 3736091.9,       3.3,       3.3,       0.0);         ( 398782.8,
3736091.9,       3.2,       3.2,       0.0);
     ( 398802.8, 3736091.9,       3.2,       3.2,       0.0);         ( 398822.8,
3736091.9,       3.0,       3.0,       0.0);
     ( 398842.8, 3736091.9,       2.5,       2.5,       0.0);         ( 398862.8,
3736091.9,       2.3,       2.3,       0.0);
     ( 398882.8, 3736091.9,      -0.6,       2.8,       0.0);         ( 398902.8,
3736091.9,       2.2,       2.2,       0.0);
     ( 398922.8, 3736091.9,       2.1,       2.1,       0.0);         ( 398942.8,
3736091.9,       1.8,       1.8,       0.0);
     ( 398962.8, 3736091.9,       1.3,       2.2,       0.0);         ( 398982.8,
3736091.9,       2.4,       2.4,       0.0);
     ( 399002.8, 3736091.9,       2.4,       2.4,       0.0);         ( 399022.8,
3736091.9,       2.5,       2.5,       0.0);
     ( 399042.8, 3736091.9,       2.5,       2.5,       0.0);         ( 399062.8,
3736091.9,       2.6,       2.6,       0.0);
     ( 399082.8, 3736091.9,       2.6,       2.6,       0.0);         ( 399102.8,
3736091.9,       2.6,       2.6,       0.0);
     ( 399122.8, 3736091.9,       2.6,       2.6,       0.0);         ( 399142.8,
3736091.9,       2.7,       2.7,       0.0);
     ( 399162.8, 3736091.9,       2.5,       2.5,       0.0);         ( 399182.8,
3736091.9,       2.4,       2.4,       0.0);
     ( 399202.8, 3736091.9,       2.4,       2.4,       0.0);         ( 399222.8,
3736091.9,       2.3,       2.3,       0.0);
     ( 399242.8, 3736091.9,       2.3,       2.3,       0.0);         ( 399262.8,
3736091.9,       2.6,       2.6,       0.0);
     ( 399282.8, 3736091.9,       2.6,       2.6,       0.0);         ( 399302.8,
3736091.9,       2.6,       2.6,       0.0);
     ( 399322.8, 3736091.9,       2.5,       2.5,       0.0);         ( 399342.8,
3736091.9,       2.6,       2.6,       0.0);
     ( 399362.8, 3736091.9,       2.6,       2.6,       0.0);         ( 399382.8,
3736091.9,       2.7,       2.7,       0.0);
     ( 399402.8, 3736091.9,       2.5,       2.5,       0.0);         ( 399422.8,
3736091.9,       2.4,       2.4,       0.0);
     ( 399442.8, 3736091.9,       2.5,       2.5,       0.0);         ( 399462.8,
3736091.9,       2.7,       2.7,       0.0);
     ( 399482.8, 3736091.9,       2.6,       2.6,       0.0);         ( 399502.8,
3736091.9,       2.5,       2.5,       0.0);
     ( 399522.8, 3736091.9,       2.5,       2.5,       0.0);         ( 399542.8,
3736091.9,       2.7,       2.7,       0.0);
     ( 399562.8, 3736091.9,       2.8,       2.8,       0.0);         ( 399582.8,
3736091.9,       3.0,       3.0,       0.0);
     ( 399602.8, 3736091.9,       2.9,       2.9,       0.0);         ( 399622.8,
3736091.9,       2.9,       2.9,       0.0);
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                                   ***        10:15:03
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(399642.8, 3736091.9, 3.0, 3.0, 0.0); (399662.8, 3736091.9, 2.9, 2.9, 0.0);
(399682.8, 3736091.9, 3.0, 3.0, 0.0); (399702.8, 3736091.9, 3.0, 3.0, 0.0);
(399722.8, 3736091.9, 3.0, 3.0, 0.0); (399742.8, 3736091.9, 3.1, 3.1, 0.0);
(399762.8, 3736091.9, 3.0, 3.0, 0.0); (399782.8, 3736091.9, 2.7, 2.7, 0.0);
(399802.8, 3736091.9, 2.7, 2.7, 0.0); (399822.8, 3736091.9, 2.8, 2.8, 0.0);
(399842.8, 3736091.9, 2.8, 2.8, 0.0); (399862.8, 3736091.9, 2.7, 2.7, 0.0);
(399882.8, 3736091.9, 2.6, 2.6, 0.0); (399902.8, 3736091.9, 2.4, 2.4, 0.0);
(399922.8, 3736091.9, 2.2, 2.2, 0.0); (399942.8, 3736091.9, 2.1, 2.1, 0.0);
(399962.8, 3736091.9, 2.1, 2.1, 0.0); (399982.8, 3736091.9, 2.1, 2.1, 0.0);
(398682.8, 3736111.9, 3.2, 3.2, 0.0); (398702.8, 3736111.9, 3.1, 3.1, 0.0);
(398722.8, 3736111.9, 3.2, 3.2, 0.0); (398742.8, 3736111.9, 3.3, 3.3, 0.0);
(398762.8, 3736111.9, 3.4, 3.4, 0.0); (398782.8, 3736111.9, 3.4, 3.4, 0.0);
(398802.8, 3736111.9, 3.4, 3.4, 0.0); (398822.8, 3736111.9, 3.3, 3.3, 0.0);
(398842.8, 3736111.9, 3.0, 3.0, 0.0); (398862.8, 3736111.9, 2.2, 2.2, 0.0);
(398882.8, 3736111.9, -0.3, 2.6, 0.0); (398902.8, 3736111.9, 2.0, 2.0, 0.0);
(398922.8, 3736111.9, 1.9, 1.9, 0.0); (398942.8, 3736111.9, 1.7, 1.7, 0.0);
(398962.8, 3736111.9, 0.9, 2.3, 0.0); (398982.8, 3736111.9, 2.3, 2.3, 0.0);
(399002.8, 3736111.9, 2.2, 2.2, 0.0); (399022.8, 3736111.9, 2.4, 2.4, 0.0);
(399042.8, 3736111.9, 2.5, 2.5, 0.0); (399062.8, 3736111.9, 2.7, 2.7, 0.0);
(399082.8, 3736111.9, 2.5, 2.5, 0.0); (399102.8, 3736111.9, 2.4, 2.4, 0.0);
(399122.8, 3736111.9, 2.5, 2.5, 0.0); (399142.8, 3736111.9, 2.7, 2.7, 0.0);
(399162.8, 3736111.9, 2.5, 2.5, 0.0); (399182.8,

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     ( 399202.8, 3736111.9,       2.3,       2.3,       0.0);         ( 399222.8,
3736111.9,       2.3,       2.3,       0.0);
     ( 399242.8, 3736111.9,       2.3,       2.3,       0.0);         ( 399262.8,
3736111.9,       2.5,       2.5,       0.0);
     ( 399282.8, 3736111.9,       2.7,       2.7,       0.0);         ( 399302.8,
3736111.9,       2.7,       2.7,       0.0);
     ( 399322.8, 3736111.9,       2.6,       2.6,       0.0);         ( 399342.8,
3736111.9,       2.6,       2.6,       0.0);
     ( 399362.8, 3736111.9,       2.6,       2.6,       0.0);         ( 399382.8,
3736111.9,       2.7,       2.7,       0.0);
     ( 399402.8, 3736111.9,       2.5,       2.5,       0.0);         ( 399422.8,
3736111.9,       2.5,       2.5,       0.0);
     ( 399442.8, 3736111.9,       2.8,       2.8,       0.0);         ( 399462.8,
3736111.9,       2.9,       2.9,       0.0);
     ( 399482.8, 3736111.9,       2.9,       2.9,       0.0);         ( 399502.8,
3736111.9,       2.8,       2.8,       0.0);
     ( 399522.8, 3736111.9,       2.6,       2.6,       0.0);         ( 399542.8,
3736111.9,       2.5,       2.5,       0.0);
     ( 399562.8, 3736111.9,       2.7,       2.7,       0.0);         ( 399582.8,
3736111.9,       2.9,       2.9,       0.0);
     ( 399602.8, 3736111.9,       3.0,       3.0,       0.0);         ( 399622.8,
3736111.9,       3.0,       3.0,       0.0);
     ( 399642.8, 3736111.9,       2.9,       2.9,       0.0);         ( 399662.8,
3736111.9,       2.9,       2.9,       0.0);
     ( 399682.8, 3736111.9,       3.0,       3.0,       0.0);         ( 399702.8,
3736111.9,       3.0,       3.0,       0.0);
     ( 399722.8, 3736111.9,       3.1,       3.1,       0.0);         ( 399742.8,
3736111.9,       3.1,       3.1,       0.0);
     ( 399762.8, 3736111.9,       2.9,       2.9,       0.0);         ( 399782.8,
3736111.9,       2.6,       2.6,       0.0);
     ( 399802.8, 3736111.9,       2.5,       2.5,       0.0);         ( 399822.8,
3736111.9,       2.5,       2.5,       0.0);
     ( 399842.8, 3736111.9,       2.6,       2.6,       0.0);         ( 399862.8,
3736111.9,       2.5,       2.5,       0.0);
     ( 399882.8, 3736111.9,       2.3,       2.3,       0.0);         ( 399902.8,
3736111.9,       2.6,       2.6,       0.0);
     ( 399922.8, 3736111.9,       2.5,       2.5,       0.0);         ( 399942.8,
3736111.9,       2.2,       2.2,       0.0);
     ( 399962.8, 3736111.9,       2.1,       2.1,       0.0);         ( 399982.8,
3736111.9,       2.2,       2.2,       0.0);
     ( 398682.8, 3736131.9,       3.3,       3.3,       0.0);         ( 398702.8,
3736131.9,       3.3,       3.3,       0.0);
     ( 398722.8, 3736131.9,       3.3,       3.3,       0.0);         ( 398742.8,
3736131.9,       3.7,       3.7,       0.0);
     ( 398762.8, 3736131.9,       3.7,       3.7,       0.0);         ( 398782.8,
3736131.9,       3.7,       3.7,       0.0);
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(398802.8, 3736131.9, 3.6, 3.6, 0.0); (398822.8, 3736131.9, 3.7, 3.7, 0.0);
(398842.8, 3736131.9, 3.4, 3.4, 0.0); (398862.8, 3736131.9, 2.2, 2.2, 0.0);
(398882.8, 3736131.9, -0.2, 2.8, 0.0); (398902.8, 3736131.9, 2.0, 2.0, 0.0);
(398922.8, 3736131.9, 2.0, 2.0, 0.0); (398942.8, 3736131.9, 2.0, 2.0, 0.0);
(398962.8, 3736131.9, 0.9, 1.7, 0.0); (398982.8, 3736131.9, 1.3, 2.2, 0.0);
(399002.8, 3736131.9, 2.3, 2.3, 0.0); (399022.8, 3736131.9, 2.5, 2.5, 0.0);
(399042.8, 3736131.9, 2.6, 2.6, 0.0); (399062.8, 3736131.9, 2.6, 2.6, 0.0);
(399082.8, 3736131.9, 2.3, 2.3, 0.0); (399102.8, 3736131.9, 2.3, 2.3, 0.0);
(399122.8, 3736131.9, 2.4, 2.4, 0.0); (399142.8, 3736131.9, 2.7, 2.7, 0.0);
(399162.8, 3736131.9, 2.6, 2.6, 0.0); (399182.8, 3736131.9, 2.5, 2.5, 0.0);
(399202.8, 3736131.9, 2.5, 2.5, 0.0); (399222.8, 3736131.9, 2.5, 2.5, 0.0);
(399242.8, 3736131.9, 2.3, 2.3, 0.0); (399262.8, 3736131.9, 2.6, 2.6, 0.0);
(399282.8, 3736131.9, 2.8, 2.8, 0.0); (399302.8, 3736131.9, 2.6, 2.6, 0.0);
(399322.8, 3736131.9, 2.6, 2.6, 0.0); (399342.8, 3736131.9, 2.7, 2.7, 0.0);
(399362.8, 3736131.9, 2.6, 2.6, 0.0); (399382.8, 3736131.9, 2.7, 2.7, 0.0);
(399402.8, 3736131.9, 2.6, 2.6, 0.0); (399422.8, 3736131.9, 2.8, 2.8, 0.0);
(399442.8, 3736131.9, 2.9, 2.9, 0.0); (399462.8, 3736131.9, 2.8, 2.8, 0.0);
(399482.8, 3736131.9, 2.9, 2.9, 0.0); (399502.8, 3736131.9, 2.9, 2.9, 0.0);
(399522.8, 3736131.9, 3.0, 3.0, 0.0); (399542.8, 3736131.9, 2.7, 2.7, 0.0);
(399562.8, 3736131.9, 2.6, 2.6, 0.0); (399582.8, 3736131.9, 2.7, 2.7, 0.0);
(399602.8, 3736131.9, 2.9, 2.9, 0.0); (399622.8,

```
3736131.9,       2.9,       2.9,       0.0);
     ( 399642.8, 3736131.9,       2.9,       2.9,       0.0);         ( 399662.8,
3736131.9,       2.9,       2.9,       0.0);
     ( 399682.8, 3736131.9,       3.2,       3.2,       0.0);         ( 399702.8,
3736131.9,       3.1,       3.1,       0.0);
     ( 399722.8, 3736131.9,       3.1,       3.1,       0.0);         ( 399742.8,
3736131.9,       3.1,       3.1,       0.0);
     ( 399762.8, 3736131.9,       2.9,       2.9,       0.0);         ( 399782.8,
3736131.9,       2.8,       2.8,       0.0);
     ( 399802.8, 3736131.9,       2.5,       2.5,       0.0);         ( 399822.8,
3736131.9,       2.5,       2.5,       0.0);
     ( 399842.8, 3736131.9,       2.4,       2.4,       0.0);         ( 399862.8,
3736131.9,       2.3,       2.3,       0.0);
     ( 399882.8, 3736131.9,       2.4,       2.4,       0.0);         ( 399902.8,
3736131.9,       2.8,       2.8,       0.0);
     ( 399922.8, 3736131.9,       2.8,       2.8,       0.0);         ( 399942.8,
3736131.9,       2.4,       2.4,       0.0);
     ( 399962.8, 3736131.9,       2.4,       2.4,       0.0);         ( 399982.8,
3736131.9,       2.2,       2.2,       0.0);
     ( 398682.8, 3736151.9,       2.3,       3.4,       0.0);         ( 398702.8,
3736151.9,       3.4,       3.4,       0.0);
     ( 398722.8, 3736151.9,       3.6,       3.6,       0.0);         ( 398742.8,
3736151.9,       3.3,       3.3,       0.0);
     ( 398762.8, 3736151.9,       3.6,       3.6,       0.0);         ( 398782.8,
3736151.9,       3.6,       3.6,       0.0);
     ( 398802.8, 3736151.9,       3.2,       3.2,       0.0);         ( 398822.8,
3736151.9,       3.2,       3.2,       0.0);
     ( 398842.8, 3736151.9,       3.6,       3.6,       0.0);         ( 398862.8,
3736151.9,       2.2,       2.2,       0.0);
     ( 398882.8, 3736151.9,      -0.5,       3.5,       0.0);         ( 398902.8,
3736151.9,       2.0,       2.0,       0.0);
     ( 398922.8, 3736151.9,       2.3,       2.3,       0.0);         ( 398942.8,
3736151.9,       2.2,       2.2,       0.0);
     ( 398962.8, 3736151.9,       2.1,       2.1,       0.0);         ( 398982.8,
3736151.9,       1.2,       2.2,       0.0);
     ( 399002.8, 3736151.9,       0.8,       1.9,       0.0);         ( 399022.8,
3736151.9,       2.0,       2.0,       0.0);
     ( 399042.8, 3736151.9,       2.5,       2.5,       0.0);         ( 399062.8,
3736151.9,       2.5,       2.5,       0.0);
     ( 399082.8, 3736151.9,       2.2,       2.2,       0.0);         ( 399102.8,
3736151.9,       2.3,       2.3,       0.0);
     ( 399122.8, 3736151.9,       2.5,       2.5,       0.0);         ( 399142.8,
3736151.9,       2.5,       2.5,       0.0);
     ( 399162.8, 3736151.9,       2.6,       2.6,       0.0);         ( 399182.8,
3736151.9,       2.6,       2.6,       0.0);
     ( 399202.8, 3736151.9,       2.5,       2.5,       0.0);         ( 399222.8,
3736151.9,       2.4,       2.4,       0.0);
     ( 399242.8, 3736151.9,       2.4,       2.4,       0.0);         ( 399262.8,
3736151.9,       2.6,       2.6,       0.0);
↟ *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(399282.8, 3736151.9, 2.7, 2.7, 0.0); (399302.8, 3736151.9, 2.5, 2.5, 0.0);
(399322.8, 3736151.9, 2.6, 2.6, 0.0); (399342.8, 3736151.9, 2.8, 2.8, 0.0);
(399362.8, 3736151.9, 2.8, 2.8, 0.0); (399382.8, 3736151.9, 2.8, 2.8, 0.0);
(399402.8, 3736151.9, 2.7, 2.7, 0.0); (399422.8, 3736151.9, 2.7, 2.7, 0.0);
(399442.8, 3736151.9, 2.7, 2.7, 0.0); (399462.8, 3736151.9, 2.9, 2.9, 0.0);
(399482.8, 3736151.9, 2.9, 2.9, 0.0); (399502.8, 3736151.9, 3.1, 3.1, 0.0);
(399522.8, 3736151.9, 3.1, 3.1, 0.0); (399542.8, 3736151.9, 3.1, 3.1, 0.0);
(399562.8, 3736151.9, 3.0, 3.0, 0.0); (399582.8, 3736151.9, 2.7, 2.7, 0.0);
(399602.8, 3736151.9, 2.7, 2.7, 0.0); (399622.8, 3736151.9, 2.8, 2.8, 0.0);
(399642.8, 3736151.9, 2.8, 2.8, 0.0); (399662.8, 3736151.9, 3.1, 3.1, 0.0);
(399682.8, 3736151.9, 3.1, 3.1, 0.0); (399702.8, 3736151.9, 3.1, 3.1, 0.0);
(399722.8, 3736151.9, 3.1, 3.1, 0.0); (399742.8, 3736151.9, 2.8, 2.8, 0.0);
(399762.8, 3736151.9, 2.8, 2.8, 0.0); (399782.8, 3736151.9, 2.7, 2.7, 0.0);
(399802.8, 3736151.9, 2.6, 2.6, 0.0); (399822.8, 3736151.9, 2.6, 2.6, 0.0);
(399842.8, 3736151.9, 2.4, 2.4, 0.0); (399862.8, 3736151.9, 2.4, 2.4, 0.0);
(399882.8, 3736151.9, 2.6, 2.6, 0.0); (399902.8, 3736151.9, 2.8, 2.8, 0.0);
(399922.8, 3736151.9, 2.9, 2.9, 0.0); (399942.8, 3736151.9, 2.8, 2.8, 0.0);
(399962.8, 3736151.9, 2.8, 2.8, 0.0); (399982.8, 3736151.9, 2.4, 2.4, 0.0);
(398682.8, 3736171.9, 1.3, 3.4, 0.0); (398702.8, 3736171.9, 3.4, 3.4, 0.0);
(398722.8, 3736171.9, 3.6, 3.6, 0.0); (398742.8,

```
3736171.9,       3.3,       3.3,       0.0);
     ( 398762.8, 3736171.9,       3.4,       3.4,       0.0);         ( 398782.8,
3736171.9,       3.4,       3.4,       0.0);
     ( 398802.8, 3736171.9,       3.0,       3.0,       0.0);         ( 398822.8,
3736171.9,       3.0,       3.0,       0.0);
     ( 398842.8, 3736171.9,       3.6,       3.6,       0.0);         ( 398862.8,
3736171.9,       2.0,       2.8,       0.0);
     ( 398882.8, 3736171.9,      -0.2,       3.4,       0.0);         ( 398902.8,
3736171.9,       2.0,       2.0,       0.0);
     ( 398922.8, 3736171.9,       2.4,       2.4,       0.0);         ( 398942.8,
3736171.9,       2.3,       2.3,       0.0);
     ( 398962.8, 3736171.9,       2.6,       2.6,       0.0);         ( 398982.8,
3736171.9,       2.5,       2.5,       0.0);
     ( 399002.8, 3736171.9,       1.9,       1.9,       0.0);         ( 399022.8,
3736171.9,       0.8,       1.5,       0.0);
     ( 399042.8, 3736171.9,       1.5,       2.2,       0.0);         ( 399062.8,
3736171.9,       2.2,       2.2,       0.0);
     ( 399082.8, 3736171.9,       2.2,       2.2,       0.0);         ( 399102.8,
3736171.9,       2.4,       2.4,       0.0);
     ( 399122.8, 3736171.9,       2.5,       2.5,       0.0);         ( 399142.8,
3736171.9,       2.3,       2.3,       0.0);
     ( 399162.8, 3736171.9,       2.3,       2.3,       0.0);         ( 399182.8,
3736171.9,       2.5,       2.5,       0.0);
     ( 399202.8, 3736171.9,       2.5,       2.5,       0.0);         ( 399222.8,
3736171.9,       2.3,       2.3,       0.0);
     ( 399242.8, 3736171.9,       2.5,       2.5,       0.0);         ( 399262.8,
3736171.9,       2.5,       2.5,       0.0);
     ( 399282.8, 3736171.9,       2.5,       2.5,       0.0);         ( 399302.8,
3736171.9,       2.5,       2.5,       0.0);
     ( 399322.8, 3736171.9,       2.8,       2.8,       0.0);         ( 399342.8,
3736171.9,       2.8,       2.8,       0.0);
     ( 399362.8, 3736171.9,       2.8,       2.8,       0.0);         ( 399382.8,
3736171.9,       2.8,       2.8,       0.0);
     ( 399402.8, 3736171.9,       2.8,       2.8,       0.0);         ( 399422.8,
3736171.9,       2.8,       2.8,       0.0);
     ( 399442.8, 3736171.9,       2.9,       2.9,       0.0);         ( 399462.8,
3736171.9,       2.9,       2.9,       0.0);
     ( 399482.8, 3736171.9,       2.9,       2.9,       0.0);         ( 399502.8,
3736171.9,       3.1,       3.1,       0.0);
     ( 399522.8, 3736171.9,       3.2,       3.2,       0.0);         ( 399542.8,
3736171.9,       3.2,       3.2,       0.0);
     ( 399562.8, 3736171.9,       3.1,       3.1,       0.0);         ( 399582.8,
3736171.9,       3.1,       3.1,       0.0);
     ( 399602.8, 3736171.9,       2.9,       2.9,       0.0);         ( 399622.8,
3736171.9,       2.8,       2.8,       0.0);
     ( 399642.8, 3736171.9,       2.8,       2.8,       0.0);         ( 399662.8,
3736171.9,       3.0,       3.0,       0.0);
     ( 399682.8, 3736171.9,       3.1,       3.1,       0.0);         ( 399702.8,
3736171.9,       3.1,       3.1,       0.0);
     ( 399722.8, 3736171.9,       2.8,       2.8,       0.0);         ( 399742.8,
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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```
     ( 399762.8, 3736171.9,       2.6,       2.6,       0.0);         ( 399782.8,
3736171.9,       2.7,       2.7,       0.0);
     ( 399802.8, 3736171.9,       2.7,       2.7,       0.0);         ( 399822.8,
3736171.9,       2.5,       2.5,       0.0);
     ( 399842.8, 3736171.9,       2.4,       2.4,       0.0);         ( 399862.8,
3736171.9,       2.5,       2.5,       0.0);
     ( 399882.8, 3736171.9,       2.8,       2.8,       0.0);         ( 399902.8,
3736171.9,       2.8,       2.8,       0.0);
     ( 399922.8, 3736171.9,       2.9,       2.9,       0.0);         ( 399942.8,
3736171.9,       2.8,       2.8,       0.0);
     ( 399962.8, 3736171.9,       2.7,       2.7,       0.0);         ( 399982.8,
3736171.9,       2.4,       2.4,       0.0);
     ( 398682.8, 3736191.9,       1.2,       3.1,       0.0);         ( 398702.8,
3736191.9,       3.1,       3.1,       0.0);
     ( 398722.8, 3736191.9,       3.7,       3.7,       0.0);         ( 398742.8,
3736191.9,       3.2,       3.2,       0.0);
     ( 398762.8, 3736191.9,       3.3,       3.3,       0.0);         ( 398782.8,
3736191.9,       3.4,       3.4,       0.0);
     ( 398802.8, 3736191.9,       3.3,       3.3,       0.0);         ( 398822.8,
3736191.9,       4.0,       4.0,       0.0);
     ( 398842.8, 3736191.9,       3.8,       3.8,       0.0);         ( 398862.8,
3736191.9,       1.9,       2.8,       0.0);
     ( 398882.8, 3736191.9,       0.0,       2.8,       0.0);         ( 398902.8,
3736191.9,       2.1,       2.1,       0.0);
     ( 398922.8, 3736191.9,       2.4,       2.4,       0.0);         ( 398942.8,
3736191.9,       2.5,       2.5,       0.0);
     ( 398962.8, 3736191.9,       2.6,       2.6,       0.0);         ( 398982.8,
3736191.9,       2.4,       2.4,       0.0);
     ( 399002.8, 3736191.9,       2.6,       2.6,       0.0);         ( 399022.8,
3736191.9,       2.2,       2.2,       0.0);
     ( 399042.8, 3736191.9,       1.2,       2.2,       0.0);         ( 399062.8,
3736191.9,       0.9,       1.9,       0.0);
     ( 399082.8, 3736191.9,       2.0,       2.0,       0.0);         ( 399102.8,
3736191.9,       2.5,       2.5,       0.0);
     ( 399122.8, 3736191.9,       2.4,       2.4,       0.0);         ( 399142.8,
3736191.9,       2.3,       2.3,       0.0);
     ( 399162.8, 3736191.9,       2.2,       2.2,       0.0);         ( 399182.8,
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3736191.9,       2.2,       2.2,       0.0);
     ( 399202.8, 3736191.9,       2.3,       2.3,       0.0);         ( 399222.8,
3736191.9,       2.5,       2.5,       0.0);
     ( 399242.8, 3736191.9,       2.7,       2.7,       0.0);         ( 399262.8,
3736191.9,       2.5,       2.5,       0.0);
     ( 399282.8, 3736191.9,       2.4,       2.4,       0.0);         ( 399302.8,
3736191.9,       2.5,       2.5,       0.0);
     ( 399322.8, 3736191.9,       2.8,       2.8,       0.0);         ( 399342.8,
3736191.9,       2.8,       2.8,       0.0);
     ( 399362.8, 3736191.9,       2.8,       2.8,       0.0);         ( 399382.8,
3736191.9,       2.8,       2.8,       0.0);
     ( 399402.8, 3736191.9,       2.9,       2.9,       0.0);         ( 399422.8,
3736191.9,       2.8,       2.8,       0.0);
     ( 399442.8, 3736191.9,       2.9,       2.9,       0.0);         ( 399462.8,
3736191.9,       2.9,       2.9,       0.0);
     ( 399482.8, 3736191.9,       3.0,       3.0,       0.0);         ( 399502.8,
3736191.9,       3.0,       3.0,       0.0);
     ( 399522.8, 3736191.9,       3.2,       3.2,       0.0);         ( 399542.8,
3736191.9,       3.1,       3.1,       0.0);
     ( 399562.8, 3736191.9,       3.0,       3.0,       0.0);         ( 399582.8,
3736191.9,       3.1,       3.1,       0.0);
     ( 399602.8, 3736191.9,       3.1,       3.1,       0.0);         ( 399622.8,
3736191.9,       3.0,       3.0,       0.0);
     ( 399642.8, 3736191.9,       2.9,       2.9,       0.0);         ( 399662.8,
3736191.9,       2.8,       2.8,       0.0);
     ( 399682.8, 3736191.9,       2.9,       2.9,       0.0);         ( 399702.8,
3736191.9,       3.1,       3.1,       0.0);
     ( 399722.8, 3736191.9,       2.9,       2.9,       0.0);         ( 399742.8,
3736191.9,       2.6,       2.6,       0.0);
     ( 399762.8, 3736191.9,       2.5,       2.5,       0.0);         ( 399782.8,
3736191.9,       2.5,       2.5,       0.0);
     ( 399802.8, 3736191.9,       2.6,       2.6,       0.0);         ( 399822.8,
3736191.9,       2.4,       2.4,       0.0);
     ( 399842.8, 3736191.9,       2.4,       2.4,       0.0);         ( 399862.8,
3736191.9,       2.6,       2.6,       0.0);
     ( 399882.8, 3736191.9,       2.8,       2.8,       0.0);         ( 399902.8,
3736191.9,       2.8,       2.8,       0.0);
     ( 399922.8, 3736191.9,       2.8,       2.8,       0.0);         ( 399942.8,
3736191.9,       2.8,       2.8,       0.0);
     ( 399962.8, 3736191.9,       2.5,       2.5,       0.0);         ( 399982.8,
3736191.9,       2.3,       2.3,       0.0);
     ( 398682.8, 3736211.9,       1.2,       1.2,       0.0);         ( 398702.8,
3736211.9,       2.8,       2.8,       0.0);
     ( 398722.8, 3736211.9,       3.5,       3.5,       0.0);         ( 398742.8,
3736211.9,       3.1,       3.1,       0.0);
     ( 398762.8, 3736211.9,       3.3,       3.3,       0.0);         ( 398782.8,
3736211.9,       3.3,       3.3,       0.0);
     ( 398802.8, 3736211.9,       3.5,       3.5,       0.0);         ( 398822.8,
3736211.9,       4.1,       4.1,       0.0);
     ( 398842.8, 3736211.9,       3.6,       3.6,       0.0);         ( 398862.8,
```

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

     (398922.8, 3736211.9, 2.5, 2.5, 0.0); (398942.8,
3736211.9, 2.5, 2.5, 0.0);
     (398962.8, 3736211.9, 2.4, 2.4, 0.0); (398982.8,
3736211.9, 2.5, 2.5, 0.0);
     (399002.8, 3736211.9, 2.5, 2.5, 0.0); (399022.8,
3736211.9, 2.5, 2.5, 0.0);
     (399042.8, 3736211.9, 2.3, 2.3, 0.0); (399062.8,
3736211.9, 1.8, 1.8, 0.0);
     (399082.8, 3736211.9, 0.8, 0.8, 0.0); (399102.8,
3736211.9, 1.5, 2.2, 0.0);
     (399122.8, 3736211.9, 2.3, 2.3, 0.0); (399142.8,
3736211.9, 2.4, 2.4, 0.0);
     (399162.8, 3736211.9, 2.3, 2.3, 0.0); (399182.8,
3736211.9, 2.1, 2.1, 0.0);
     (399202.8, 3736211.9, 2.3, 2.3, 0.0); (399222.8,
3736211.9, 2.6, 2.6, 0.0);
     (399242.8, 3736211.9, 2.7, 2.7, 0.0); (399262.8,
3736211.9, 2.7, 2.7, 0.0);
     (399282.8, 3736211.9, 2.6, 2.6, 0.0); (399302.8,
3736211.9, 2.5, 2.5, 0.0);
     (399322.8, 3736211.9, 2.6, 2.6, 0.0); (399342.8,
3736211.9, 2.7, 2.7, 0.0);
     (399362.8, 3736211.9, 2.8, 2.8, 0.0); (399382.8,
3736211.9, 2.8, 2.8, 0.0);
     (399402.8, 3736211.9, 2.8, 2.8, 0.0); (399422.8,
3736211.9, 2.9, 2.9, 0.0);
     (399442.8, 3736211.9, 2.9, 2.9, 0.0); (399462.8,
3736211.9, 3.0, 3.0, 0.0);
     (399482.8, 3736211.9, 2.9, 2.9, 0.0); (399502.8,
3736211.9, 3.1, 3.1, 0.0);
     (399522.8, 3736211.9, 3.1, 3.1, 0.0); (399542.8,
3736211.9, 3.2, 3.2, 0.0);
     (399562.8, 3736211.9, 3.2, 3.2, 0.0); (399582.8,
3736211.9, 3.2, 3.2, 0.0);
     (399602.8, 3736211.9, 3.1, 3.1, 0.0); (399622.8,

```
3736211.9,       3.2,       3.2,       0.0);
     ( 399642.8, 3736211.9,       3.1,       3.1,       0.0);         ( 399662.8,
3736211.9,       2.9,       2.9,       0.0);
     ( 399682.8, 3736211.9,       2.8,       2.8,       0.0);         ( 399702.8,
3736211.9,       2.7,       2.7,       0.0);
     ( 399722.8, 3736211.9,       2.8,       2.8,       0.0);         ( 399742.8,
3736211.9,       2.8,       2.8,       0.0);
     ( 399762.8, 3736211.9,       2.7,       2.7,       0.0);         ( 399782.8,
3736211.9,       2.5,       2.5,       0.0);
     ( 399802.8, 3736211.9,       2.5,       2.5,       0.0);         ( 399822.8,
3736211.9,       2.4,       2.4,       0.0);
     ( 399842.8, 3736211.9,       2.5,       2.5,       0.0);         ( 399862.8,
3736211.9,       2.7,       2.7,       0.0);
     ( 399882.8, 3736211.9,       2.8,       2.8,       0.0);         ( 399902.8,
3736211.9,       2.9,       2.9,       0.0);
     ( 399922.8, 3736211.9,       2.9,       2.9,       0.0);         ( 399942.8,
3736211.9,       2.8,       2.8,       0.0);
     ( 399962.8, 3736211.9,       2.5,       2.5,       0.0);         ( 399982.8,
3736211.9,       2.4,       2.4,       0.0);
     ( 398682.8, 3736231.9,       1.2,       1.2,       0.0);         ( 398702.8,
3736231.9,       2.8,       2.8,       0.0);
     ( 398722.8, 3736231.9,       3.6,       3.6,       0.0);         ( 398742.8,
3736231.9,       3.1,       3.1,       0.0);
     ( 398762.8, 3736231.9,       3.3,       3.3,       0.0);         ( 398782.8,
3736231.9,       3.5,       3.5,       0.0);
     ( 398802.8, 3736231.9,       3.7,       3.7,       0.0);         ( 398822.8,
3736231.9,       4.1,       4.1,       0.0);
     ( 398842.8, 3736231.9,       3.4,       3.4,       0.0);         ( 398862.8,
3736231.9,       1.6,       2.6,       0.0);
     ( 398882.8, 3736231.9,       0.5,       2.1,       0.0);         ( 398902.8,
3736231.9,       2.2,       2.2,       0.0);
     ( 398922.8, 3736231.9,       2.5,       2.5,       0.0);         ( 398942.8,
3736231.9,       2.4,       2.4,       0.0);
     ( 398962.8, 3736231.9,       2.3,       2.3,       0.0);         ( 398982.8,
3736231.9,       2.3,       2.3,       0.0);
     ( 399002.8, 3736231.9,       2.4,       2.4,       0.0);         ( 399022.8,
3736231.9,       2.5,       2.5,       0.0);
     ( 399042.8, 3736231.9,       2.2,       2.2,       0.0);         ( 399062.8,
3736231.9,       2.4,       2.4,       0.0);
     ( 399082.8, 3736231.9,       2.2,       2.2,       0.0);         ( 399102.8,
3736231.9,       1.1,       2.1,       0.0);
     ( 399122.8, 3736231.9,       0.9,       1.9,       0.0);         ( 399142.8,
3736231.9,       2.0,       2.0,       0.0);
     ( 399162.8, 3736231.9,       2.4,       2.4,       0.0);         ( 399182.8,
3736231.9,       2.1,       2.1,       0.0);
     ( 399202.8, 3736231.9,       2.5,       2.5,       0.0);         ( 399222.8,
3736231.9,       2.6,       2.6,       0.0);
     ( 399242.8, 3736231.9,       2.7,       2.7,       0.0);         ( 399262.8,
3736231.9,       2.6,       2.6,       0.0);
     ( 399282.8, 3736231.9,       2.6,       2.6,       0.0);         ( 399302.8,
```

3736231.9, 2.6, 2.6, 0.0);
     (399322.8, 3736231.9, 2.6, 2.6, 0.0); (399342.8,
3736231.9, 2.6, 2.6, 0.0);
     (399362.8, 3736231.9, 2.7, 2.7, 0.0); (399382.8,
3736231.9, 2.7, 2.7, 0.0);

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                        *** DISCRETE CARTESIAN RECEPTORS ***
                                      (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                (METERS)

     (399402.8, 3736231.9, 2.8, 2.8, 0.0); (399422.8,
3736231.9, 2.9, 2.9, 0.0);
     (399442.8, 3736231.9, 3.0, 3.0, 0.0); (399462.8,
3736231.9, 3.0, 3.0, 0.0);
     (399482.8, 3736231.9, 3.0, 3.0, 0.0); (399502.8,
3736231.9, 3.1, 3.1, 0.0);
     (399522.8, 3736231.9, 3.1, 3.1, 0.0); (399542.8,
3736231.9, 3.1, 3.1, 0.0);
     (399562.8, 3736231.9, 3.1, 3.1, 0.0); (399582.8,
3736231.9, 3.1, 3.1, 0.0);
     (399602.8, 3736231.9, 3.2, 3.2, 0.0); (399622.8,
3736231.9, 3.2, 3.2, 0.0);
     (399642.8, 3736231.9, 3.1, 3.1, 0.0); (399662.8,
3736231.9, 3.1, 3.1, 0.0);
     (399682.8, 3736231.9, 3.0, 3.0, 0.0); (399702.8,
3736231.9, 2.7, 2.7, 0.0);
     (399722.8, 3736231.9, 2.6, 2.6, 0.0); (399742.8,
3736231.9, 2.7, 2.7, 0.0);
     (399762.8, 3736231.9, 2.8, 2.8, 0.0); (399782.8,
3736231.9, 2.7, 2.7, 0.0);
     (399802.8, 3736231.9, 2.5, 2.5, 0.0); (399822.8,
3736231.9, 2.5, 2.5, 0.0);
     (399842.8, 3736231.9, 2.8, 2.8, 0.0); (399862.8,
3736231.9, 2.8, 2.8, 0.0);
     (399882.8, 3736231.9, 2.9, 2.9, 0.0); (399902.8,
3736231.9, 2.9, 2.9, 0.0);
     (399922.8, 3736231.9, 2.9, 2.9, 0.0); (399942.8,
3736231.9, 2.9, 2.9, 0.0);
     (399962.8, 3736231.9, 2.8, 2.8, 0.0); (398682.8,
3736251.9, 1.2, 1.2, 0.0);
     (398702.8, 3736251.9, 2.9, 2.9, 0.0); (398722.8,
3736251.9, 3.7, 3.7, 0.0);
     (398742.8, 3736251.9, 3.1, 3.1, 0.0); (398762.8,

```
3736251.9,       3.2,       3.2,       0.0);
     ( 398782.8, 3736251.9,       3.2,       3.2,       0.0);         ( 398802.8,
3736251.9,       2.6,       2.6,       0.0);
     ( 398822.8, 3736251.9,       3.8,       3.8,       0.0);         ( 398842.8,
3736251.9,       3.5,       3.5,       0.0);
     ( 398862.8, 3736251.9,       1.4,       3.9,       0.0);         ( 398882.8,
3736251.9,       0.8,       2.2,       0.0);
     ( 398902.8, 3736251.9,       2.2,       2.2,       0.0);         ( 398922.8,
3736251.9,       2.5,       2.5,       0.0);
     ( 398942.8, 3736251.9,       2.4,       2.4,       0.0);         ( 398962.8,
3736251.9,       2.3,       2.3,       0.0);
     ( 398982.8, 3736251.9,       2.2,       2.2,       0.0);         ( 399002.8,
3736251.9,       2.2,       2.2,       0.0);
     ( 399022.8, 3736251.9,       2.2,       2.2,       0.0);         ( 399042.8,
3736251.9,       2.4,       2.4,       0.0);
     ( 399062.8, 3736251.9,       2.5,       2.5,       0.0);         ( 399082.8,
3736251.9,       2.5,       2.5,       0.0);
     ( 399102.8, 3736251.9,       2.4,       2.4,       0.0);         ( 399122.8,
3736251.9,       1.7,       1.7,       0.0);
     ( 399142.8, 3736251.9,       0.7,       0.7,       0.0);         ( 399162.8,
3736251.9,       1.6,       1.6,       0.0);
     ( 399182.8, 3736251.9,       2.2,       2.2,       0.0);         ( 399202.8,
3736251.9,       2.5,       2.5,       0.0);
     ( 399222.8, 3736251.9,       2.5,       2.5,       0.0);         ( 399242.8,
3736251.9,       2.6,       2.6,       0.0);
     ( 399262.8, 3736251.9,       2.5,       2.5,       0.0);         ( 399282.8,
3736251.9,       2.5,       2.5,       0.0);
     ( 399302.8, 3736251.9,       2.8,       2.8,       0.0);         ( 399322.8,
3736251.9,       2.8,       2.8,       0.0);
     ( 399342.8, 3736251.9,       2.7,       2.7,       0.0);         ( 399362.8,
3736251.9,       2.7,       2.7,       0.0);
     ( 399382.8, 3736251.9,       2.7,       2.7,       0.0);         ( 399402.8,
3736251.9,       2.8,       2.8,       0.0);
     ( 399422.8, 3736251.9,       2.8,       2.8,       0.0);         ( 399442.8,
3736251.9,       2.9,       2.9,       0.0);
     ( 399462.8, 3736251.9,       3.0,       3.0,       0.0);         ( 399482.8,
3736251.9,       3.1,       3.1,       0.0);
     ( 399502.8, 3736251.9,       3.0,       3.0,       0.0);         ( 399522.8,
3736251.9,       3.0,       3.0,       0.0);
     ( 399542.8, 3736251.9,       3.1,       3.1,       0.0);         ( 399562.8,
3736251.9,       3.0,       3.0,       0.0);
     ( 399582.8, 3736251.9,       3.0,       3.0,       0.0);         ( 399602.8,
3736251.9,       3.1,       3.1,       0.0);
     ( 399622.8, 3736251.9,       3.2,       3.2,       0.0);         ( 399642.8,
3736251.9,       3.0,       3.0,       0.0);
     ( 399662.8, 3736251.9,       3.1,       3.1,       0.0);         ( 399682.8,
3736251.9,       3.1,       3.1,       0.0);
     ( 399702.8, 3736251.9,       3.0,       3.0,       0.0);         ( 399722.8,
3736251.9,       2.7,       2.7,       0.0);
     ( 399742.8, 3736251.9,       2.6,       2.6,       0.0);         ( 399762.8,
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3736251.9, 2.6, 2.6, 0.0);
     (399782.8, 3736251.9, 2.4, 2.4, 0.0); (399802.8,
3736251.9, 2.7, 2.7, 0.0);
     (399822.8, 3736251.9, 3.0, 3.0, 0.0); (399842.8,
3736251.9, 2.9, 2.9, 0.0);
     (399862.8, 3736251.9, 2.9, 2.9, 0.0); (399882.8,
3736251.9, 2.9, 2.9, 0.0);

                                        *** DISCRETE CARTESIAN RECEPTORS ***
                                    (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                              (METERS)

     (399902.8, 3736251.9, 2.9, 2.9, 0.0); (399922.8,
3736251.9, 3.0, 3.0, 0.0);
     (399942.8, 3736251.9, 2.9, 2.9, 0.0); (399962.8,
3736251.9, 2.8, 2.8, 0.0);
     (398682.8, 3736271.9, 1.2, 1.2, 0.0); (398702.8,
3736271.9, 3.0, 3.0, 0.0);
     (398722.8, 3736271.9, 3.6, 3.6, 0.0); (398742.8,
3736271.9, 3.4, 3.4, 0.0);
     (398762.8, 3736271.9, 2.9, 2.9, 0.0); (398782.8,
3736271.9, 2.9, 2.9, 0.0);
     (398802.8, 3736271.9, 3.2, 3.2, 0.0); (398822.8,
3736271.9, 4.3, 4.3, 0.0);
     (398842.8, 3736271.9, 3.5, 4.0, 0.0); (398862.8,
3736271.9, 1.2, 4.0, 0.0);
     (398882.8, 3736271.9, 1.1, 2.2, 0.0); (398902.8,
3736271.9, 2.3, 2.3, 0.0);
     (398922.8, 3736271.9, 2.6, 2.6, 0.0); (398942.8,
3736271.9, 2.5, 2.5, 0.0);
     (398962.8, 3736271.9, 2.3, 2.3, 0.0); (398982.8,
3736271.9, 2.2, 2.2, 0.0);
     (399002.8, 3736271.9, 2.2, 2.2, 0.0); (399022.8,
3736271.9, 2.2, 2.2, 0.0);
     (399042.8, 3736271.9, 2.3, 2.3, 0.0); (399062.8,
3736271.9, 2.5, 2.5, 0.0);
     (399082.8, 3736271.9, 2.6, 2.6, 0.0); (399102.8,
3736271.9, 2.5, 2.5, 0.0);
     (399122.8, 3736271.9, 2.5, 2.5, 0.0); (399142.8,
3736271.9, 2.0, 2.0, 0.0);
     (399162.8, 3736271.9, 1.2, 1.2, 0.0); (399182.8,
3736271.9, 1.1, 1.1, 0.0);
     (399202.8, 3736271.9, 2.1, 2.1, 0.0); (399222.8,

```
3736271.9,       2.4,       2.4,       0.0);
     ( 399242.8, 3736271.9,       2.5,       2.5,       0.0);         ( 399262.8,
3736271.9,       2.4,       2.4,       0.0);
     ( 399282.8, 3736271.9,       2.6,       2.6,       0.0);         ( 399302.8,
3736271.9,       2.8,       2.8,       0.0);
     ( 399322.8, 3736271.9,       2.8,       2.8,       0.0);         ( 399342.8,
3736271.9,       2.8,       2.8,       0.0);
     ( 399362.8, 3736271.9,       2.8,       2.8,       0.0);         ( 399382.8,
3736271.9,       2.8,       2.8,       0.0);
     ( 399402.8, 3736271.9,       2.8,       2.8,       0.0);         ( 399422.8,
3736271.9,       2.8,       2.8,       0.0);
     ( 399442.8, 3736271.9,       2.8,       2.8,       0.0);         ( 399462.8,
3736271.9,       2.9,       2.9,       0.0);
     ( 399482.8, 3736271.9,       3.0,       3.0,       0.0);         ( 399502.8,
3736271.9,       2.9,       2.9,       0.0);
     ( 399522.8, 3736271.9,       2.9,       2.9,       0.0);         ( 399542.8,
3736271.9,       3.1,       3.1,       0.0);
     ( 399562.8, 3736271.9,       3.1,       3.1,       0.0);         ( 399582.8,
3736271.9,       3.1,       3.1,       0.0);
     ( 399602.8, 3736271.9,       3.0,       3.0,       0.0);         ( 399622.8,
3736271.9,       3.1,       3.1,       0.0);
     ( 399642.8, 3736271.9,       3.1,       3.1,       0.0);         ( 399662.8,
3736271.9,       3.1,       3.1,       0.0);
     ( 399682.8, 3736271.9,       3.0,       3.0,       0.0);         ( 399702.8,
3736271.9,       3.0,       3.0,       0.0);
     ( 399722.8, 3736271.9,       2.8,       2.8,       0.0);         ( 399742.8,
3736271.9,       2.8,       2.8,       0.0);
     ( 399762.8, 3736271.9,       2.5,       2.5,       0.0);         ( 399782.8,
3736271.9,       2.6,       2.6,       0.0);
     ( 399802.8, 3736271.9,       2.8,       2.8,       0.0);         ( 399822.8,
3736271.9,       3.0,       3.0,       0.0);
     ( 399842.8, 3736271.9,       3.0,       3.0,       0.0);         ( 399862.8,
3736271.9,       3.0,       3.0,       0.0);
     ( 399882.8, 3736271.9,       3.0,       3.0,       0.0);         ( 399902.8,
3736271.9,       2.9,       2.9,       0.0);
     ( 399922.8, 3736271.9,       2.9,       2.9,       0.0);         ( 398682.8,
3736291.9,       1.2,       3.2,       0.0);
     ( 398702.8, 3736291.9,       3.2,       3.2,       0.0);         ( 398722.8,
3736291.9,       3.7,       3.7,       0.0);
     ( 398742.8, 3736291.9,       3.0,       3.0,       0.0);         ( 398762.8,
3736291.9,       3.1,       3.1,       0.0);
     ( 398782.8, 3736291.9,       3.1,       3.1,       0.0);         ( 398802.8,
3736291.9,       2.6,       3.8,       0.0);
     ( 398822.8, 3736291.9,       3.8,       3.8,       0.0);         ( 398842.8,
3736291.9,       3.4,       3.4,       0.0);
     ( 398862.8, 3736291.9,       1.0,       3.9,       0.0);         ( 398882.8,
3736291.9,       1.4,       2.3,       0.0);
     ( 398902.8, 3736291.9,       2.4,       2.4,       0.0);         ( 398922.8,
3736291.9,       2.7,       2.7,       0.0);
     ( 398942.8, 3736291.9,       2.7,       2.7,       0.0);         ( 398962.8,
```

3736291.9, 2.6, 2.6, 0.0);
     (398982.8, 3736291.9, 2.3, 2.3, 0.0); (399002.8,
3736291.9, 2.2, 2.2, 0.0);
     (399022.8, 3736291.9, 2.2, 2.2, 0.0); (399042.8,
3736291.9, 2.2, 2.2, 0.0);
     (399062.8, 3736291.9, 2.3, 2.3, 0.0); (399082.8,
3736291.9, 2.4, 2.4, 0.0);
     (399102.8, 3736291.9, 2.5, 2.5, 0.0); (399122.8,
3736291.9, 2.5, 2.5, 0.0);

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                        (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                (METERS)

     (399142.8, 3736291.9, 2.2, 2.2, 0.0); (399162.8,
3736291.9, 2.4, 2.4, 0.0);
     (399182.8, 3736291.9, 1.7, 1.7, 0.0); (399202.8,
3736291.9, 0.9, 0.9, 0.0);
     (399222.8, 3736291.9, 1.7, 1.7, 0.0); (399242.8,
3736291.9, 2.3, 2.3, 0.0);
     (399262.8, 3736291.9, 2.6, 2.6, 0.0); (399282.8,
3736291.9, 2.7, 2.7, 0.0);
     (399302.8, 3736291.9, 2.8, 2.8, 0.0); (399322.8,
3736291.9, 2.8, 2.8, 0.0);
     (399342.8, 3736291.9, 2.8, 2.8, 0.0); (399362.8,
3736291.9, 2.8, 2.8, 0.0);
     (399382.8, 3736291.9, 2.8, 2.8, 0.0); (399402.8,
3736291.9, 2.8, 2.8, 0.0);
     (399422.8, 3736291.9, 2.7, 2.7, 0.0); (399442.8,
3736291.9, 2.7, 2.7, 0.0);
     (399462.8, 3736291.9, 2.7, 2.7, 0.0); (399482.8,
3736291.9, 2.7, 2.7, 0.0);
     (399502.8, 3736291.9, 2.8, 2.8, 0.0); (399522.8,
3736291.9, 3.0, 3.0, 0.0);
     (399542.8, 3736291.9, 3.0, 3.0, 0.0); (399562.8,
3736291.9, 3.1, 3.1, 0.0);
     (399582.8, 3736291.9, 3.1, 3.1, 0.0); (399602.8,
3736291.9, 3.1, 3.1, 0.0);
     (399622.8, 3736291.9, 3.0, 3.0, 0.0); (399642.8,
3736291.9, 3.1, 3.1, 0.0);
     (399662.8, 3736291.9, 3.0, 3.0, 0.0); (399682.8,
3736291.9, 3.0, 3.0, 0.0);
     (399702.8, 3736291.9, 2.8, 2.8, 0.0); (399722.8,

```
3736291.9,       2.8,       2.8,       0.0);
     ( 399742.8, 3736291.9,       2.6,       2.6,       0.0);         ( 399762.8,
3736291.9,       2.4,       2.4,       0.0);
     ( 399782.8, 3736291.9,       2.8,       2.8,       0.0);         ( 399802.8,
3736291.9,       3.0,       3.0,       0.0);
     ( 399822.8, 3736291.9,       3.0,       3.0,       0.0);         ( 399842.8,
3736291.9,       3.0,       3.0,       0.0);
     ( 399862.8, 3736291.9,       3.0,       3.0,       0.0);         ( 399882.8,
3736291.9,       2.9,       2.9,       0.0);
     ( 399902.8, 3736291.9,       2.9,       2.9,       0.0);         ( 399922.8,
3736291.9,       2.9,       2.9,       0.0);
     ( 398682.8, 3736311.9,       1.2,       3.3,       0.0);         ( 398702.8,
3736311.9,       3.3,       3.3,       0.0);
     ( 398722.8, 3736311.9,       3.5,       3.5,       0.0);         ( 398742.8,
3736311.9,       3.1,       3.1,       0.0);
     ( 398762.8, 3736311.9,       3.3,       3.3,       0.0);         ( 398782.8,
3736311.9,       3.2,       3.2,       0.0);
     ( 398802.8, 3736311.9,       2.6,       2.6,       0.0);         ( 398822.8,
3736311.9,       3.5,       3.5,       0.0);
     ( 398842.8, 3736311.9,       3.2,       3.2,       0.0);         ( 398862.8,
3736311.9,       0.7,       3.5,       0.0);
     ( 398882.8, 3736311.9,       1.6,       1.7,       0.0);         ( 398902.8,
3736311.9,       2.4,       2.4,       0.0);
     ( 398922.8, 3736311.9,       2.6,       2.6,       0.0);         ( 398942.8,
3736311.9,       2.7,       2.7,       0.0);
     ( 398962.8, 3736311.9,       2.6,       2.6,       0.0);         ( 398982.8,
3736311.9,       2.6,       2.6,       0.0);
     ( 399002.8, 3736311.9,       2.5,       2.5,       0.0);         ( 399022.8,
3736311.9,       2.3,       2.3,       0.0);
     ( 399042.8, 3736311.9,       2.3,       2.3,       0.0);         ( 399062.8,
3736311.9,       2.3,       2.3,       0.0);
     ( 399082.8, 3736311.9,       2.3,       2.3,       0.0);         ( 399102.8,
3736311.9,       2.5,       2.5,       0.0);
     ( 399122.8, 3736311.9,       2.5,       2.5,       0.0);         ( 399142.8,
3736311.9,       2.2,       2.2,       0.0);
     ( 399162.8, 3736311.9,       2.6,       2.6,       0.0);         ( 399182.8,
3736311.9,       2.4,       2.4,       0.0);
     ( 399202.8, 3736311.9,       2.2,       2.2,       0.0);         ( 399222.8,
3736311.9,       1.1,       2.2,       0.0);
     ( 399242.8, 3736311.9,       1.2,       1.6,       0.0);         ( 399262.8,
3736311.9,       2.3,       2.3,       0.0);
     ( 399282.8, 3736311.9,       2.7,       2.7,       0.0);         ( 399302.8,
3736311.9,       2.6,       2.6,       0.0);
     ( 399322.8, 3736311.9,       2.8,       2.8,       0.0);         ( 399342.8,
3736311.9,       2.8,       2.8,       0.0);
     ( 399362.8, 3736311.9,       2.8,       2.8,       0.0);         ( 399382.8,
3736311.9,       2.8,       2.8,       0.0);
     ( 399402.8, 3736311.9,       2.8,       2.8,       0.0);         ( 399422.8,
3736311.9,       2.7,       2.7,       0.0);
     ( 399442.8, 3736311.9,       2.7,       2.7,       0.0);         ( 399462.8,
```

3736311.9, 2.7, 2.7, 0.0);
     (399482.8, 3736311.9, 2.6, 2.6, 0.0); (399502.8,
3736311.9, 2.7, 2.7, 0.0);
     (399522.8, 3736311.9, 2.8, 2.8, 0.0); (399542.8,
3736311.9, 2.9, 2.9, 0.0);
     (399562.8, 3736311.9, 3.0, 3.0, 0.0); (399582.8,
3736311.9, 2.9, 2.9, 0.0);
     (399602.8, 3736311.9, 2.8, 2.8, 0.0); (399622.8,
3736311.9, 3.0, 3.0, 0.0);
     (399642.8, 3736311.9, 2.9, 2.9, 0.0); (399662.8,
3736311.9, 2.9, 2.9, 0.0);

                                    *** DISCRETE CARTESIAN RECEPTORS ***
                                  (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                           (METERS)

     (399682.8, 3736311.9, 2.9, 2.9, 0.0); (399702.8,
3736311.9, 2.7, 2.7, 0.0);
     (399722.8, 3736311.9, 2.8, 2.8, 0.0); (399742.8,
3736311.9, 2.4, 2.4, 0.0);
     (399762.8, 3736311.9, 2.4, 2.4, 0.0); (399782.8,
3736311.9, 2.7, 2.7, 0.0);
     (399802.8, 3736311.9, 2.9, 2.9, 0.0); (399822.8,
3736311.9, 3.0, 3.0, 0.0);
     (399842.8, 3736311.9, 3.0, 3.0, 0.0); (399862.8,
3736311.9, 2.9, 2.9, 0.0);
     (399882.8, 3736311.9, 2.8, 2.8, 0.0); (399902.8,
3736311.9, 2.7, 2.7, 0.0);
     (399922.8, 3736311.9, 2.5, 2.5, 0.0); (398682.8,
3736331.9, 1.2, 3.4, 0.0);
     (398702.8, 3736331.9, 3.3, 3.3, 0.0); (398722.8,
3736331.9, 3.7, 3.7, 0.0);
     (398742.8, 3736331.9, 3.2, 3.2, 0.0); (398762.8,
3736331.9, 3.3, 3.3, 0.0);
     (398782.8, 3736331.9, 3.0, 3.0, 0.0); (398802.8,
3736331.9, 3.0, 3.0, 0.0);
     (398822.8, 3736331.9, 3.0, 3.0, 0.0); (398842.8,
3736331.9, 3.1, 3.1, 0.0);
     (398862.8, 3736331.9, 0.5, 3.3, 0.0); (398882.8,
3736331.9, 1.8, 1.9, 0.0);
     (398902.8, 3736331.9, 2.4, 2.4, 0.0); (398922.8,
3736331.9, 2.5, 2.5, 0.0);
     (398942.8, 3736331.9, 2.6, 2.6, 0.0); (398962.8,

```
3736331.9,       2.7,       2.7,       0.0);
     ( 398982.8, 3736331.9,       2.7,       2.7,       0.0);         ( 399002.8,
3736331.9,       2.5,       2.5,       0.0);
     ( 399022.8, 3736331.9,       2.5,       2.5,       0.0);         ( 399042.8,
3736331.9,       2.4,       2.4,       0.0);
     ( 399062.8, 3736331.9,       2.4,       2.4,       0.0);         ( 399082.8,
3736331.9,       2.4,       2.4,       0.0);
     ( 399102.8, 3736331.9,       2.5,       2.5,       0.0);         ( 399122.8,
3736331.9,       2.4,       2.4,       0.0);
     ( 399142.8, 3736331.9,       2.3,       2.3,       0.0);         ( 399162.8,
3736331.9,       2.6,       2.6,       0.0);
     ( 399182.8, 3736331.9,       2.4,       2.4,       0.0);         ( 399202.8,
3736331.9,       2.5,       2.5,       0.0);
     ( 399222.8, 3736331.9,       2.5,       2.5,       0.0);         ( 399242.8,
3736331.9,       1.7,       1.7,       0.0);
     ( 399262.8, 3736331.9,       0.9,       0.9,       0.0);         ( 399282.8,
3736331.9,       1.9,       1.9,       0.0);
     ( 399302.8, 3736331.9,       2.5,       2.5,       0.0);         ( 399322.8,
3736331.9,       2.6,       2.6,       0.0);
     ( 399342.8, 3736331.9,       2.8,       2.8,       0.0);         ( 399362.8,
3736331.9,       2.8,       2.8,       0.0);
     ( 399382.8, 3736331.9,       2.8,       2.8,       0.0);         ( 399402.8,
3736331.9,       2.7,       2.7,       0.0);
     ( 399422.8, 3736331.9,       2.7,       2.7,       0.0);         ( 399442.8,
3736331.9,       2.7,       2.7,       0.0);
     ( 399462.8, 3736331.9,       2.6,       2.6,       0.0);         ( 399482.8,
3736331.9,       2.5,       2.5,       0.0);
     ( 399502.8, 3736331.9,       2.6,       2.6,       0.0);         ( 399522.8,
3736331.9,       2.6,       2.6,       0.0);
     ( 399542.8, 3736331.9,       2.6,       2.6,       0.0);         ( 399562.8,
3736331.9,       2.8,       2.8,       0.0);
     ( 399582.8, 3736331.9,       2.9,       2.9,       0.0);         ( 399602.8,
3736331.9,       2.9,       2.9,       0.0);
     ( 399622.8, 3736331.9,       2.9,       2.9,       0.0);         ( 399642.8,
3736331.9,       2.9,       2.9,       0.0);
     ( 399662.8, 3736331.9,       2.8,       2.8,       0.0);         ( 399682.8,
3736331.9,       2.8,       2.8,       0.0);
     ( 399702.8, 3736331.9,       2.8,       2.8,       0.0);         ( 399722.8,
3736331.9,       2.4,       2.4,       0.0);
     ( 399742.8, 3736331.9,       2.3,       2.3,       0.0);         ( 399762.8,
3736331.9,       2.5,       2.5,       0.0);
     ( 399782.8, 3736331.9,       2.7,       2.7,       0.0);         ( 399802.8,
3736331.9,       2.9,       2.9,       0.0);
     ( 399822.8, 3736331.9,       3.0,       3.0,       0.0);         ( 399842.8,
3736331.9,       3.0,       3.0,       0.0);
     ( 399862.8, 3736331.9,       2.8,       2.8,       0.0);         ( 399882.8,
3736331.9,       2.7,       2.7,       0.0);
     ( 399902.8, 3736331.9,       2.5,       2.5,       0.0);         ( 399922.8,
3736331.9,       2.5,       2.5,       0.0);
     ( 399982.8, 3736331.9,       3.0,       3.0,       0.0);         ( 400162.8,
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                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                       (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                 (METERS)

     (398902.8, 3736351.9,   2.5,   2.5,   0.0);   (398922.8,
3736351.9,   2.7,   2.7,   0.0);
     (398942.8, 3736351.9,   2.7,   2.7,   0.0);   (398962.8,
3736351.9,   2.7,   2.7,   0.0);
     (398982.8, 3736351.9,   2.7,   2.7,   0.0);   (399002.8,
3736351.9,   2.8,   2.8,   0.0);
     (399022.8, 3736351.9,   2.8,   2.8,   0.0);   (399042.8,
3736351.9,   2.8,   2.8,   0.0);
     (399062.8, 3736351.9,   2.6,   2.6,   0.0);   (399082.8,
3736351.9,   2.6,   2.6,   0.0);
     (399102.8, 3736351.9,   2.5,   2.5,   0.0);   (399122.8,
3736351.9,   2.3,   2.3,   0.0);
     (399142.8, 3736351.9,   2.4,   2.4,   0.0);   (399162.8,
3736351.9,   2.6,   2.6,   0.0);
     (399182.8, 3736351.9,   2.6,   2.6,   0.0);   (399202.8,
3736351.9,   2.6,   2.6,   0.0);
     (399222.8, 3736351.9,   2.6,   2.6,   0.0);   (399242.8,
3736351.9,   2.5,   2.5,   0.0);
     (399262.8, 3736351.9,   2.1,   2.1,   0.0);   (399282.8,
3736351.9,   1.1,   2.2,   0.0);
     (399302.8, 3736351.9,   1.4,   1.8,   0.0);   (399322.8,
3736351.9,   2.5,   2.5,   0.0);
     (399342.8, 3736351.9,   2.7,   2.7,   0.0);   (399362.8,
3736351.9,   2.8,   2.8,   0.0);
     (399382.8, 3736351.9,   2.7,   2.7,   0.0);   (399402.8,

```
3736351.9,       2.7,       2.7,       0.0);
     ( 399422.8, 3736351.9,       2.7,       2.7,       0.0);         ( 399442.8,
3736351.9,       2.7,       2.7,       0.0);
     ( 399462.8, 3736351.9,       2.7,       2.7,       0.0);         ( 399482.8,
3736351.9,       2.6,       2.6,       0.0);
     ( 399502.8, 3736351.9,       2.5,       2.5,       0.0);         ( 399522.8,
3736351.9,       2.5,       2.5,       0.0);
     ( 399542.8, 3736351.9,       2.5,       2.5,       0.0);         ( 399562.8,
3736351.9,       2.5,       2.5,       0.0);
     ( 399582.8, 3736351.9,       2.7,       2.7,       0.0);         ( 399602.8,
3736351.9,       2.9,       2.9,       0.0);
     ( 399622.8, 3736351.9,       2.8,       2.8,       0.0);         ( 399642.8,
3736351.9,       2.9,       2.9,       0.0);
     ( 399662.8, 3736351.9,       2.7,       2.7,       0.0);         ( 399682.8,
3736351.9,       2.7,       2.7,       0.0);
     ( 399702.8, 3736351.9,       2.6,       2.6,       0.0);         ( 399722.8,
3736351.9,       2.4,       2.4,       0.0);
     ( 399742.8, 3736351.9,       2.4,       2.4,       0.0);         ( 399762.8,
3736351.9,       2.7,       2.7,       0.0);
     ( 399782.8, 3736351.9,       2.8,       2.8,       0.0);         ( 399802.8,
3736351.9,       2.9,       2.9,       0.0);
     ( 399822.8, 3736351.9,       3.0,       3.0,       0.0);         ( 399842.8,
3736351.9,       2.9,       2.9,       0.0);
     ( 399862.8, 3736351.9,       2.9,       2.9,       0.0);         ( 399882.8,
3736351.9,       2.6,       2.6,       0.0);
     ( 399902.8, 3736351.9,       2.4,       2.4,       0.0);         ( 399922.8,
3736351.9,       2.6,       2.6,       0.0);
     ( 399942.8, 3736351.9,       2.6,       2.6,       0.0);         ( 399962.8,
3736351.9,       3.0,       3.0,       0.0);
     ( 399982.8, 3736351.9,       3.1,       3.1,       0.0);         ( 400002.8,
3736351.9,       3.2,       3.2,       0.0);
     ( 400022.8, 3736351.9,       3.2,       3.2,       0.0);         ( 400042.8,
3736351.9,       3.2,       3.2,       0.0);
     ( 400062.8, 3736351.9,       3.2,       3.2,       0.0);         ( 400082.8,
3736351.9,       2.9,       2.9,       0.0);
     ( 400102.8, 3736351.9,       3.0,       3.0,       0.0);         ( 400122.8,
3736351.9,       3.7,       3.7,       0.0);
     ( 400142.8, 3736351.9,       3.8,       3.8,       0.0);         ( 400162.8,
3736351.9,       3.8,       3.8,       0.0);
     ( 400182.8, 3736351.9,       3.6,       3.6,       0.0);         ( 398682.8,
3736371.9,       1.3,       3.5,       0.0);
     ( 398702.8, 3736371.9,       3.4,       3.4,       0.0);         ( 398722.8,
3736371.9,       3.3,       3.3,       0.0);
     ( 398742.8, 3736371.9,       2.8,       3.4,       0.0);         ( 398762.8,
3736371.9,       3.1,       3.1,       0.0);
     ( 398782.8, 3736371.9,       3.3,       3.3,       0.0);         ( 398802.8,
3736371.9,       3.4,       3.4,       0.0);
     ( 398822.8, 3736371.9,       3.0,       3.0,       0.0);         ( 398842.8,
3736371.9,       3.1,       3.1,       0.0);
     ( 398862.8, 3736371.9,       0.2,       3.6,       0.0);         ( 398882.8,
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3736371.9, 2.1, 2.3, 0.0);
     (398902.8, 3736371.9, 2.5, 2.5, 0.0); (398922.8,
3736371.9, 2.7, 2.7, 0.0);
     (398942.8, 3736371.9, 2.7, 2.7, 0.0); (398962.8,
3736371.9, 2.7, 2.7, 0.0);
     (398982.8, 3736371.9, 2.7, 2.7, 0.0); (399002.8,
3736371.9, 2.7, 2.7, 0.0);
     (399022.8, 3736371.9, 2.7, 2.7, 0.0); (399042.8,
3736371.9, 2.7, 2.7, 0.0);
     (399062.8, 3736371.9, 2.6, 2.6, 0.0); (399082.8,
3736371.9, 2.4, 2.4, 0.0);
     (399102.8, 3736371.9, 2.3, 2.3, 0.0); (399122.8,
3736371.9, 2.5, 2.5, 0.0);
     (399142.8, 3736371.9, 2.7, 2.7, 0.0); (399162.8,
3736371.9, 2.5, 2.5, 0.0);

                                        *** DISCRETE CARTESIAN RECEPTORS ***
                                   (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                (METERS)

     (399182.8, 3736371.9, 2.6, 2.6, 0.0); (399202.8,
3736371.9, 2.6, 2.6, 0.0);
     (399222.8, 3736371.9, 2.6, 2.6, 0.0); (399242.8,
3736371.9, 2.3, 2.3, 0.0);
     (399262.8, 3736371.9, 2.5, 2.5, 0.0); (399282.8,
3736371.9, 2.5, 2.5, 0.0);
     (399302.8, 3736371.9, 1.7, 1.7, 0.0); (399322.8,
3736371.9, 1.0, 1.0, 0.0);
     (399342.8, 3736371.9, 2.1, 2.1, 0.0); (399362.8,
3736371.9, 2.6, 2.6, 0.0);
     (399382.8, 3736371.9, 2.6, 2.6, 0.0); (399402.8,
3736371.9, 2.6, 2.6, 0.0);
     (399422.8, 3736371.9, 2.7, 2.7, 0.0); (399442.8,
3736371.9, 2.7, 2.7, 0.0);
     (399462.8, 3736371.9, 2.8, 2.8, 0.0); (399482.8,
3736371.9, 2.7, 2.7, 0.0);
     (399502.8, 3736371.9, 2.6, 2.6, 0.0); (399522.8,
3736371.9, 2.5, 2.5, 0.0);
     (399542.8, 3736371.9, 2.4, 2.4, 0.0); (399562.8,
3736371.9, 2.5, 2.5, 0.0);
     (399582.8, 3736371.9, 2.4, 2.4, 0.0); (399602.8,
3736371.9, 2.5, 2.5, 0.0);
     (399622.8, 3736371.9, 2.7, 2.7, 0.0); (399642.8,

```
3736371.9,       2.8,       2.8,       0.0);
     ( 399662.8, 3736371.9,       2.7,       2.7,       0.0);         ( 399682.8,
3736371.9,       2.6,       2.6,       0.0);
     ( 399702.8, 3736371.9,       2.4,       2.4,       0.0);         ( 399722.8,
3736371.9,       2.6,       2.6,       0.0);
     ( 399742.8, 3736371.9,       2.9,       2.9,       0.0);         ( 399762.8,
3736371.9,       2.9,       2.9,       0.0);
     ( 399782.8, 3736371.9,       2.9,       2.9,       0.0);         ( 399802.8,
3736371.9,       3.0,       3.0,       0.0);
     ( 399822.8, 3736371.9,       3.0,       3.0,       0.0);         ( 399842.8,
3736371.9,       3.0,       3.0,       0.0);
     ( 399862.8, 3736371.9,       2.9,       2.9,       0.0);         ( 399882.8,
3736371.9,       2.6,       2.6,       0.0);
     ( 399902.8, 3736371.9,       2.5,       2.5,       0.0);         ( 399922.8,
3736371.9,       2.6,       2.6,       0.0);
     ( 399942.8, 3736371.9,       2.8,       2.8,       0.0);         ( 399962.8,
3736371.9,       3.0,       3.0,       0.0);
     ( 399982.8, 3736371.9,       3.2,       3.2,       0.0);         ( 400002.8,
3736371.9,       3.2,       3.2,       0.0);
     ( 400022.8, 3736371.9,       3.2,       3.2,       0.0);         ( 400042.8,
3736371.9,       3.2,       3.2,       0.0);
     ( 400062.8, 3736371.9,       3.2,       3.2,       0.0);         ( 400082.8,
3736371.9,       2.9,       2.9,       0.0);
     ( 400102.8, 3736371.9,       2.8,       2.8,       0.0);         ( 400122.8,
3736371.9,       3.2,       3.2,       0.0);
     ( 400142.8, 3736371.9,       3.6,       3.6,       0.0);         ( 400162.8,
3736371.9,       3.8,       3.8,       0.0);
     ( 400182.8, 3736371.9,       3.6,       3.6,       0.0);         ( 398682.8,
3736391.9,       1.3,       3.5,       0.0);
     ( 398702.8, 3736391.9,       3.4,       3.4,       0.0);         ( 398722.8,
3736391.9,       3.2,       3.2,       0.0);
     ( 398742.8, 3736391.9,       2.9,       2.9,       0.0);         ( 398762.8,
3736391.9,       3.2,       3.2,       0.0);
     ( 398782.8, 3736391.9,       3.4,       3.4,       0.0);         ( 398802.8,
3736391.9,       3.4,       3.4,       0.0);
     ( 398822.8, 3736391.9,       3.2,       3.2,       0.0);         ( 398842.8,
3736391.9,       3.1,       3.1,       0.0);
     ( 398862.8, 3736391.9,       0.1,       4.2,       0.0);         ( 398882.8,
3736391.9,       2.2,       2.2,       0.0);
     ( 398902.8, 3736391.9,       2.4,       2.4,       0.0);         ( 398922.8,
3736391.9,       2.4,       2.4,       0.0);
     ( 398942.8, 3736391.9,       2.4,       2.4,       0.0);         ( 398962.8,
3736391.9,       2.5,       2.5,       0.0);
     ( 398982.8, 3736391.9,       2.7,       2.7,       0.0);         ( 399002.8,
3736391.9,       2.7,       2.7,       0.0);
     ( 399022.8, 3736391.9,       2.6,       2.6,       0.0);         ( 399042.8,
3736391.9,       2.5,       2.5,       0.0);
     ( 399062.8, 3736391.9,       2.4,       2.4,       0.0);         ( 399082.8,
3736391.9,       2.5,       2.5,       0.0);
     ( 399102.8, 3736391.9,       2.7,       2.7,       0.0);         ( 399122.8,
```

3736391.9, 2.7, 2.7, 0.0);
     (399142.8, 3736391.9, 2.5, 2.5, 0.0); (399162.8,
3736391.9, 2.4, 2.4, 0.0);
     (399182.8, 3736391.9, 2.5, 2.5, 0.0); (399202.8,
3736391.9, 2.6, 2.6, 0.0);
     (399222.8, 3736391.9, 2.4, 2.4, 0.0); (399242.8,
3736391.9, 2.5, 2.5, 0.0);
     (399262.8, 3736391.9, 2.6, 2.6, 0.0); (399282.8,
3736391.9, 2.5, 2.5, 0.0);
     (399302.8, 3736391.9, 2.6, 2.6, 0.0); (399322.8,
3736391.9, 2.2, 2.2, 0.0);
     (399342.8, 3736391.9, 1.1, 2.2, 0.0); (399362.8,
3736391.9, 1.6, 2.0, 0.0);
     (399382.8, 3736391.9, 2.4, 2.4, 0.0); (399402.8,
3736391.9, 2.6, 2.6, 0.0);
     (399422.8, 3736391.9, 2.7, 2.7, 0.0); (399442.8,
3736391.9, 2.6, 2.6, 0.0);

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                    *** DISCRETE CARTESIAN RECEPTORS ***
                                  (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                              (METERS)

     (399462.8, 3736391.9, 2.6, 2.6, 0.0); (399482.8,
3736391.9, 2.6, 2.6, 0.0);
     (399502.8, 3736391.9, 2.8, 2.8, 0.0); (399522.8,
3736391.9, 2.6, 2.6, 0.0);
     (399542.8, 3736391.9, 2.4, 2.4, 0.0); (399562.8,
3736391.9, 2.4, 2.4, 0.0);
     (399582.8, 3736391.9, 2.4, 2.4, 0.0); (399602.8,
3736391.9, 2.3, 2.3, 0.0);
     (399622.8, 3736391.9, 2.4, 2.4, 0.0); (399642.8,
3736391.9, 2.6, 2.6, 0.0);
     (399662.8, 3736391.9, 2.7, 2.7, 0.0); (399682.8,
3736391.9, 2.3, 2.3, 0.0);
     (399702.8, 3736391.9, 2.5, 2.5, 0.0); (399722.8,
3736391.9, 2.8, 2.8, 0.0);
     (399742.8, 3736391.9, 3.0, 3.0, 0.0); (399762.8,
3736391.9, 3.0, 3.0, 0.0);
     (399782.8, 3736391.9, 2.9, 2.9, 0.0); (399802.8,
3736391.9, 3.0, 3.0, 0.0);
     (399822.8, 3736391.9, 3.0, 3.0, 0.0); (399842.8,
3736391.9, 2.8, 2.8, 0.0);
     (399862.8, 3736391.9, 2.7, 2.7, 0.0); (399882.8,

```
3736391.9,       2.5,       2.5,       0.0);
     ( 399902.8, 3736391.9,       2.5,       2.5,       0.0);         ( 399922.8,
3736391.9,       2.6,       2.6,       0.0);
     ( 399942.8, 3736391.9,       3.1,       3.1,       0.0);         ( 399962.8,
3736391.9,       3.2,       3.2,       0.0);
     ( 399982.8, 3736391.9,       3.2,       3.2,       0.0);         ( 400002.8,
3736391.9,       3.2,       3.2,       0.0);
     ( 400022.8, 3736391.9,       3.1,       3.1,       0.0);         ( 400042.8,
3736391.9,       3.1,       3.1,       0.0);
     ( 400062.8, 3736391.9,       3.2,       3.2,       0.0);         ( 400082.8,
3736391.9,       2.9,       2.9,       0.0);
     ( 400102.8, 3736391.9,       2.8,       2.8,       0.0);         ( 400122.8,
3736391.9,       3.0,       3.0,       0.0);
     ( 400142.8, 3736391.9,       3.1,       3.1,       0.0);         ( 400162.8,
3736391.9,       3.4,       3.4,       0.0);
     ( 400182.8, 3736391.9,       3.5,       3.5,       0.0);         ( 398682.8,
3736411.9,       1.3,       3.6,       0.0);
     ( 398702.8, 3736411.9,       3.5,       3.5,       0.0);         ( 398722.8,
3736411.9,       3.4,       3.4,       0.0);
     ( 398742.8, 3736411.9,       3.2,       3.2,       0.0);         ( 398762.8,
3736411.9,       3.5,       3.5,       0.0);
     ( 398782.8, 3736411.9,       3.4,       3.4,       0.0);         ( 398802.8,
3736411.9,       3.4,       3.4,       0.0);
     ( 398822.8, 3736411.9,       3.5,       3.5,       0.0);         ( 398842.8,
3736411.9,       3.1,       4.2,       0.0);
     ( 398862.8, 3736411.9,       0.2,       4.4,       0.0);         ( 398882.8,
3736411.9,       2.2,       2.2,       0.0);
     ( 398902.8, 3736411.9,       2.3,       2.3,       0.0);         ( 398922.8,
3736411.9,       2.3,       2.3,       0.0);
     ( 398942.8, 3736411.9,       2.4,       2.4,       0.0);         ( 398962.8,
3736411.9,       2.4,       2.4,       0.0);
     ( 398982.8, 3736411.9,       2.6,       2.6,       0.0);         ( 399002.8,
3736411.9,       2.7,       2.7,       0.0);
     ( 399022.8, 3736411.9,       2.4,       2.4,       0.0);         ( 399042.8,
3736411.9,       2.5,       2.5,       0.0);
     ( 399062.8, 3736411.9,       2.7,       2.7,       0.0);         ( 399082.8,
3736411.9,       2.7,       2.7,       0.0);
     ( 399102.8, 3736411.9,       2.6,       2.6,       0.0);         ( 399122.8,
3736411.9,       2.6,       2.6,       0.0);
     ( 399142.8, 3736411.9,       2.5,       2.5,       0.0);         ( 399162.8,
3736411.9,       2.3,       2.3,       0.0);
     ( 399182.8, 3736411.9,       2.3,       2.3,       0.0);         ( 399202.8,
3736411.9,       2.4,       2.4,       0.0);
     ( 399222.8, 3736411.9,       2.4,       2.4,       0.0);         ( 399242.8,
3736411.9,       2.6,       2.6,       0.0);
     ( 399262.8, 3736411.9,       2.6,       2.6,       0.0);         ( 399282.8,
3736411.9,       2.7,       2.7,       0.0);
     ( 399302.8, 3736411.9,       2.6,       2.6,       0.0);         ( 399322.8,
3736411.9,       2.6,       2.6,       0.0);
     ( 399342.8, 3736411.9,       2.5,       2.5,       0.0);         ( 399362.8,
```

3736411.9, 1.7, 1.7, 0.0);
     (399382.8, 3736411.9, 1.1, 1.1, 0.0); (399402.8,
3736411.9, 2.2, 2.2, 0.0);
     (399422.8, 3736411.9, 2.7, 2.7, 0.0); (399442.8,
3736411.9, 2.6, 2.6, 0.0);
     (399462.8, 3736411.9, 2.5, 2.5, 0.0); (399482.8,
3736411.9, 2.5, 2.5, 0.0);
     (399502.8, 3736411.9, 2.7, 2.7, 0.0); (399522.8,
3736411.9, 2.7, 2.7, 0.0);
     (399542.8, 3736411.9, 2.5, 2.5, 0.0); (399562.8,
3736411.9, 2.4, 2.4, 0.0);
     (399582.8, 3736411.9, 2.3, 2.3, 0.0); (399602.8,
3736411.9, 2.2, 2.2, 0.0);
     (399622.8, 3736411.9, 2.3, 2.3, 0.0); (399642.8,
3736411.9, 2.4, 2.4, 0.0);
     (399662.8, 3736411.9, 2.4, 2.4, 0.0); (399682.8,
3736411.9, 2.3, 2.3, 0.0);
     (399702.8, 3736411.9, 2.7, 2.7, 0.0); (399722.8,
3736411.9, 2.9, 2.9, 0.0);

                                        *** DISCRETE CARTESIAN RECEPTORS ***
                                    (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                (METERS)

     (399742.8, 3736411.9, 3.0, 3.0, 0.0); (399762.8,
3736411.9, 3.0, 3.0, 0.0);
     (399782.8, 3736411.9, 2.9, 2.9, 0.0); (399802.8,
3736411.9, 2.9, 2.9, 0.0);
     (399822.8, 3736411.9, 2.9, 2.9, 0.0); (399842.8,
3736411.9, 2.8, 2.8, 0.0);
     (399862.8, 3736411.9, 2.5, 2.5, 0.0); (399882.8,
3736411.9, 2.4, 2.4, 0.0);
     (399902.8, 3736411.9, 2.4, 2.4, 0.0); (399922.8,
3736411.9, 2.6, 2.6, 0.0);
     (399942.8, 3736411.9, 3.0, 3.0, 0.0); (399962.8,
3736411.9, 3.0, 3.0, 0.0);
     (399982.8, 3736411.9, 3.2, 3.2, 0.0); (400002.8,
3736411.9, 3.1, 3.1, 0.0);
     (400022.8, 3736411.9, 3.0, 3.0, 0.0); (400042.8,
3736411.9, 2.9, 2.9, 0.0);
     (400062.8, 3736411.9, 2.7, 2.7, 0.0); (400082.8,
3736411.9, 2.7, 2.7, 0.0);
     (400102.8, 3736411.9, 2.9, 2.9, 0.0); (400122.8,

```
3736411.9,       3.0,       3.0,       0.0);
     ( 400142.8, 3736411.9,       3.1,       3.1,       0.0);         ( 400162.8,
3736411.9,       3.2,       3.2,       0.0);
     ( 400182.8, 3736411.9,       3.3,       3.3,       0.0);         ( 398682.8,
3736431.9,       1.4,       3.7,       0.0);
     ( 398702.8, 3736431.9,       3.6,       3.6,       0.0);         ( 398722.8,
3736431.9,       4.2,       4.2,       0.0);
     ( 398742.8, 3736431.9,       4.1,       4.1,       0.0);         ( 398762.8,
3736431.9,       4.0,       4.0,       0.0);
     ( 398782.8, 3736431.9,       3.8,       3.8,       0.0);         ( 398802.8,
3736431.9,       3.4,       3.4,       0.0);
     ( 398822.8, 3736431.9,       4.2,       4.2,       0.0);         ( 398842.8,
3736431.9,       2.8,       4.2,       0.0);
     ( 398862.8, 3736431.9,       0.1,       4.4,       0.0);         ( 398882.8,
3736431.9,       2.3,       2.3,       0.0);
     ( 398902.8, 3736431.9,       2.3,       2.3,       0.0);         ( 398922.8,
3736431.9,       2.3,       2.3,       0.0);
     ( 398942.8, 3736431.9,       2.4,       2.4,       0.0);         ( 398962.8,
3736431.9,       2.4,       2.4,       0.0);
     ( 398982.8, 3736431.9,       2.7,       2.7,       0.0);         ( 399002.8,
3736431.9,       2.5,       2.5,       0.0);
     ( 399022.8, 3736431.9,       2.4,       2.4,       0.0);         ( 399042.8,
3736431.9,       2.7,       2.7,       0.0);
     ( 399062.8, 3736431.9,       2.7,       2.7,       0.0);         ( 399082.8,
3736431.9,       2.7,       2.7,       0.0);
     ( 399102.8, 3736431.9,       2.7,       2.7,       0.0);         ( 399122.8,
3736431.9,       2.7,       2.7,       0.0);
     ( 399142.8, 3736431.9,       2.4,       2.4,       0.0);         ( 399162.8,
3736431.9,       2.3,       2.3,       0.0);
     ( 399182.8, 3736431.9,       2.3,       2.3,       0.0);         ( 399202.8,
3736431.9,       2.3,       2.3,       0.0);
     ( 399222.8, 3736431.9,       2.4,       2.4,       0.0);         ( 399242.8,
3736431.9,       2.6,       2.6,       0.0);
     ( 399262.8, 3736431.9,       2.7,       2.7,       0.0);         ( 399282.8,
3736431.9,       2.7,       2.7,       0.0);
     ( 399302.8, 3736431.9,       2.8,       2.8,       0.0);         ( 399322.8,
3736431.9,       2.8,       2.8,       0.0);
     ( 399342.8, 3736431.9,       2.8,       2.8,       0.0);         ( 399362.8,
3736431.9,       2.7,       2.7,       0.0);
     ( 399382.8, 3736431.9,       2.3,       2.3,       0.0);         ( 399402.8,
3736431.9,       1.1,       2.1,       0.0);
     ( 399422.8, 3736431.9,       1.7,       2.1,       0.0);         ( 399442.8,
3736431.9,       2.5,       2.5,       0.0);
     ( 399462.8, 3736431.9,       2.6,       2.6,       0.0);         ( 399482.8,
3736431.9,       2.6,       2.6,       0.0);
     ( 399502.8, 3736431.9,       2.6,       2.6,       0.0);         ( 399522.8,
3736431.9,       2.7,       2.7,       0.0);
     ( 399542.8, 3736431.9,       2.6,       2.6,       0.0);         ( 399562.8,
3736431.9,       2.5,       2.5,       0.0);
     ( 399582.8, 3736431.9,       2.4,       2.4,       0.0);         ( 399602.8,
```

3736431.9, 2.3, 2.3, 0.0);
     (399622.8, 3736431.9, 2.3, 2.3, 0.0); (399642.8,
3736431.9, 2.3, 2.3, 0.0);
     (399662.8, 3736431.9, 2.2, 2.2, 0.0); (399682.8,
3736431.9, 2.3, 2.3, 0.0);
     (399702.8, 3736431.9, 2.7, 2.7, 0.0); (399722.8,
3736431.9, 2.9, 2.9, 0.0);
     (399742.8, 3736431.9, 2.9, 2.9, 0.0); (399762.8,
3736431.9, 2.9, 2.9, 0.0);
     (399782.8, 3736431.9, 2.8, 2.8, 0.0); (399802.8,
3736431.9, 2.7, 2.7, 0.0);
     (399822.8, 3736431.9, 2.6, 2.6, 0.0); (399842.8,
3736431.9, 2.4, 2.4, 0.0);
     (399862.8, 3736431.9, 2.4, 2.4, 0.0); (399882.8,
3736431.9, 2.4, 2.4, 0.0);
     (399902.8, 3736431.9, 2.5, 2.5, 0.0); (399922.8,
3736431.9, 2.7, 2.7, 0.0);
     (399942.8, 3736431.9, 2.9, 2.9, 0.0); (399962.8,
3736431.9, 3.1, 3.1, 0.0);
     (399982.8, 3736431.9, 3.1, 3.1, 0.0); (400002.8,
3736431.9, 3.1, 3.1, 0.0);

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                      (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                (METERS)

     (400022.8, 3736431.9, 2.9, 2.9, 0.0); (400042.8,
3736431.9, 2.7, 2.7, 0.0);
     (400062.8, 3736431.9, 2.6, 2.6, 0.0); (400082.8,
3736431.9, 2.8, 2.8, 0.0);
     (400102.8, 3736431.9, 3.3, 3.3, 0.0); (400122.8,
3736431.9, 3.2, 3.2, 0.0);
     (400142.8, 3736431.9, 3.0, 3.0, 0.0); (400162.8,
3736431.9, 3.1, 3.1, 0.0);
     (400182.8, 3736431.9, 3.3, 3.3, 0.0); (398682.8,
3736451.9, 1.5, 3.7, 0.0);
     (398702.8, 3736451.9, 3.6, 3.6, 0.0); (398722.8,
3736451.9, 3.8, 3.8, 0.0);
     (398742.8, 3736451.9, 3.7, 3.7, 0.0); (398762.8,
3736451.9, 3.6, 3.6, 0.0);
     (398782.8, 3736451.9, 3.1, 3.1, 0.0); (398802.8,
3736451.9, 2.8, 2.8, 0.0);
     (398822.8, 3736451.9, 3.8, 3.8, 0.0); (398842.8,

```
3736451.9,       2.6,       2.6,       0.0);
     ( 398862.8, 3736451.9,       0.0,       4.2,       0.0);         ( 398882.8,
3736451.9,       2.3,       2.3,       0.0);
     ( 398902.8, 3736451.9,       2.4,       2.4,       0.0);         ( 398922.8,
3736451.9,       2.5,       2.5,       0.0);
     ( 398942.8, 3736451.9,       2.5,       2.5,       0.0);         ( 398962.8,
3736451.9,       2.5,       2.5,       0.0);
     ( 398982.8, 3736451.9,       2.5,       2.5,       0.0);         ( 399002.8,
3736451.9,       2.3,       2.3,       0.0);
     ( 399022.8, 3736451.9,       2.5,       2.5,       0.0);         ( 399042.8,
3736451.9,       2.6,       2.6,       0.0);
     ( 399062.8, 3736451.9,       2.7,       2.7,       0.0);         ( 399082.8,
3736451.9,       2.8,       2.8,       0.0);
     ( 399102.8, 3736451.9,       2.7,       2.7,       0.0);         ( 399122.8,
3736451.9,       2.5,       2.5,       0.0);
     ( 399142.8, 3736451.9,       2.3,       2.3,       0.0);         ( 399162.8,
3736451.9,       2.2,       2.2,       0.0);
     ( 399182.8, 3736451.9,       2.2,       2.2,       0.0);         ( 399202.8,
3736451.9,       2.3,       2.3,       0.0);
     ( 399222.8, 3736451.9,       2.3,       2.3,       0.0);         ( 399242.8,
3736451.9,       2.4,       2.4,       0.0);
     ( 399262.8, 3736451.9,       2.6,       2.6,       0.0);         ( 399282.8,
3736451.9,       2.6,       2.6,       0.0);
     ( 399302.8, 3736451.9,       2.7,       2.7,       0.0);         ( 399322.8,
3736451.9,       2.7,       2.7,       0.0);
     ( 399342.8, 3736451.9,       2.6,       2.6,       0.0);         ( 399362.8,
3736451.9,       2.6,       2.6,       0.0);
     ( 399382.8, 3736451.9,       2.7,       2.7,       0.0);         ( 399402.8,
3736451.9,       2.4,       2.4,       0.0);
     ( 399422.8, 3736451.9,       1.6,       1.6,       0.0);         ( 399442.8,
3736451.9,       1.2,       1.2,       0.0);
     ( 399462.8, 3736451.9,       2.2,       2.2,       0.0);         ( 399482.8,
3736451.9,       2.5,       2.5,       0.0);
     ( 399502.8, 3736451.9,       2.6,       2.6,       0.0);         ( 399522.8,
3736451.9,       2.5,       2.5,       0.0);
     ( 399542.8, 3736451.9,       2.6,       2.6,       0.0);         ( 399562.8,
3736451.9,       2.5,       2.5,       0.0);
     ( 399582.8, 3736451.9,       2.6,       2.6,       0.0);         ( 399602.8,
3736451.9,       2.5,       2.5,       0.0);
     ( 399622.8, 3736451.9,       2.5,       2.5,       0.0);         ( 399642.8,
3736451.9,       2.2,       2.2,       0.0);
     ( 399662.8, 3736451.9,       2.2,       2.2,       0.0);         ( 399682.8,
3736451.9,       2.4,       2.4,       0.0);
     ( 399702.8, 3736451.9,       2.6,       2.6,       0.0);         ( 399722.8,
3736451.9,       2.8,       2.8,       0.0);
     ( 399742.8, 3736451.9,       2.9,       2.9,       0.0);         ( 399762.8,
3736451.9,       3.0,       3.0,       0.0);
     ( 399782.8, 3736451.9,       2.7,       2.7,       0.0);         ( 399802.8,
3736451.9,       2.6,       2.6,       0.0);
     ( 399822.8, 3736451.9,       2.3,       2.3,       0.0);         ( 399842.8,
```

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3736451.9,       2.3,       2.3,       0.0);
     ( 399862.8, 3736451.9,       2.4,       2.4,       0.0);         ( 399882.8,
3736451.9,       2.5,       2.5,       0.0);
     ( 399902.8, 3736451.9,       2.7,       2.7,       0.0);         ( 399922.8,
3736451.9,       2.9,       2.9,       0.0);
     ( 399942.8, 3736451.9,       2.9,       2.9,       0.0);         ( 399962.8,
3736451.9,       3.1,       3.1,       0.0);
     ( 399982.8, 3736451.9,       3.1,       3.1,       0.0);         ( 400002.8,
3736451.9,       3.0,       3.0,       0.0);
     ( 400022.8, 3736451.9,       2.8,       2.8,       0.0);         ( 400042.8,
3736451.9,       2.6,       2.6,       0.0);
     ( 400062.8, 3736451.9,       2.7,       2.7,       0.0);         ( 400082.8,
3736451.9,       3.0,       3.0,       0.0);
     ( 400102.8, 3736451.9,       3.3,       3.3,       0.0);         ( 400122.8,
3736451.9,       3.3,       3.3,       0.0);
     ( 400142.8, 3736451.9,       3.2,       3.2,       0.0);         ( 400162.8,
3736451.9,       3.1,       3.1,       0.0);
     ( 400182.8, 3736451.9,       3.2,       3.2,       0.0);         ( 398682.8,
3736471.9,       1.5,       3.3,       0.0);
     ( 398702.8, 3736471.9,       3.6,       3.6,       0.0);         ( 398722.8,
3736471.9,       3.8,       3.8,       0.0);
     ( 398742.8, 3736471.9,       3.6,       3.6,       0.0);         ( 398762.8,
3736471.9,       3.4,       3.4,       0.0);
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                                   ***        10:15:03

                                      PAGE  22
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                                 *** DISCRETE CARTESIAN RECEPTORS ***
                                               (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                          (METERS)

     ( 398782.8, 3736471.9,       3.0,       3.0,       0.0);         ( 398802.8,
3736471.9,       2.9,       2.9,       0.0);
     ( 398822.8, 3736471.9,       3.6,       3.6,       0.0);         ( 398842.8,
3736471.9,       2.6,       2.6,       0.0);
     ( 398862.8, 3736471.9,      -0.2,       3.8,       0.0);         ( 398882.8,
3736471.9,       2.2,       2.2,       0.0);
     ( 398902.8, 3736471.9,       2.5,       2.5,       0.0);         ( 398922.8,
3736471.9,       2.5,       2.5,       0.0);
     ( 398942.8, 3736471.9,       2.5,       2.5,       0.0);         ( 398962.8,
3736471.9,       2.5,       2.5,       0.0);
     ( 398982.8, 3736471.9,       2.5,       2.5,       0.0);         ( 399002.8,
3736471.9,       2.2,       2.2,       0.0);
     ( 399022.8, 3736471.9,       2.6,       2.6,       0.0);         ( 399042.8,
3736471.9,       2.6,       2.6,       0.0);
     ( 399062.8, 3736471.9,       2.9,       2.9,       0.0);         ( 399082.8,
```

3736471.9,	2.8,	2.8,	0.0);
    (399102.8, 3736471.9,	2.6,	2.6,	0.0);	(399122.8,
3736471.9,	2.6,	2.6,	0.0);
    (399142.8, 3736471.9,	2.5,	2.5,	0.0);	(399162.8,
3736471.9,	2.2,	2.2,	0.0);
    (399182.8, 3736471.9,	2.2,	2.2,	0.0);	(399202.8,
3736471.9,	2.2,	2.2,	0.0);
    (399222.8, 3736471.9,	2.3,	2.3,	0.0);	(399242.8,
3736471.9,	2.4,	2.4,	0.0);
    (399262.8, 3736471.9,	2.5,	2.5,	0.0);	(399282.8,
3736471.9,	2.7,	2.7,	0.0);
    (399302.8, 3736471.9,	2.7,	2.7,	0.0);	(399322.8,
3736471.9,	2.9,	2.9,	0.0);
    (399342.8, 3736471.9,	2.7,	2.7,	0.0);	(399362.8,
3736471.9,	2.7,	2.7,	0.0);
    (399382.8, 3736471.9,	2.7,	2.7,	0.0);	(399402.8,
3736471.9,	2.6,	2.6,	0.0);
    (399422.8, 3736471.9,	2.6,	2.6,	0.0);	(399442.8,
3736471.9,	2.2,	2.2,	0.0);
    (399462.8, 3736471.9,	1.1,	2.1,	0.0);	(399482.8,
3736471.9,	1.8,	2.1,	0.0);
    (399502.8, 3736471.9,	2.4,	2.4,	0.0);	(399522.8,
3736471.9,	2.5,	2.5,	0.0);
    (399542.8, 3736471.9,	2.5,	2.5,	0.0);	(399562.8,
3736471.9,	2.5,	2.5,	0.0);
    (399582.8, 3736471.9,	2.5,	2.5,	0.0);	(399602.8,
3736471.9,	2.4,	2.4,	0.0);
    (399622.8, 3736471.9,	2.3,	2.3,	0.0);	(399642.8,
3736471.9,	2.2,	2.2,	0.0);
    (399662.8, 3736471.9,	2.3,	2.3,	0.0);	(399682.8,
3736471.9,	2.5,	2.5,	0.0);
    (399702.8, 3736471.9,	2.6,	2.6,	0.0);	(399722.8,
3736471.9,	2.8,	2.8,	0.0);
    (399742.8, 3736471.9,	2.8,	2.8,	0.0);	(399762.8,
3736471.9,	2.9,	2.9,	0.0);
    (399782.8, 3736471.9,	2.8,	2.8,	0.0);	(399802.8,
3736471.9,	2.4,	2.4,	0.0);
    (399822.8, 3736471.9,	2.3,	2.3,	0.0);	(399842.8,
3736471.9,	2.4,	2.4,	0.0);
    (399862.8, 3736471.9,	2.5,	2.5,	0.0);	(399882.8,
3736471.9,	2.9,	2.9,	0.0);
    (399902.8, 3736471.9,	2.9,	2.9,	0.0);	(399922.8,
3736471.9,	3.0,	3.0,	0.0);
    (399942.8, 3736471.9,	3.1,	3.1,	0.0);	(399962.8,
3736471.9,	3.1,	3.1,	0.0);
    (399982.8, 3736471.9,	3.1,	3.1,	0.0);	(400002.8,
3736471.9,	3.0,	3.0,	0.0);
    (400022.8, 3736471.9,	2.8,	2.8,	0.0);	(400042.8,
3736471.9,	2.6,	2.6,	0.0);
    (400062.8, 3736471.9,	2.9,	2.9,	0.0);	(400082.8,

3736471.9,   3.2,   3.2,   0.0);
     (400102.8, 3736471.9,   3.3,   3.3,   0.0);   (400122.8,
3736471.9,   3.4,   3.4,   0.0);
     (400142.8, 3736471.9,   3.4,   3.4,   0.0);   (400162.8,
3736471.9,   3.4,   3.4,   0.0);
     (400182.8, 3736471.9,   3.2,   3.2,   0.0);   (398682.8,
3736491.9,   1.5,   3.2,   0.0);
     (398702.8, 3736491.9,   3.6,   3.6,   0.0);   (398722.8,
3736491.9,   3.7,   3.7,   0.0);
     (398742.8, 3736491.9,   3.6,   3.6,   0.0);   (398762.8,
3736491.9,   3.4,   3.4,   0.0);
     (398782.8, 3736491.9,   3.3,   3.3,   0.0);   (398802.8,
3736491.9,   3.3,   3.3,   0.0);
     (398822.8, 3736491.9,   3.6,   3.6,   0.0);   (398842.8,
3736491.9,   2.5,   2.5,   0.0);
     (398862.8, 3736491.9,   -0.4,   3.7,   0.0);   (398882.8,
3736491.9,   2.1,   2.1,   0.0);
     (398902.8, 3736491.9,   2.5,   2.5,   0.0);   (398922.8,
3736491.9,   2.5,   2.5,   0.0);
     (398942.8, 3736491.9,   2.5,   2.5,   0.0);   (398962.8,
3736491.9,   2.4,   2.4,   0.0);
     (398982.8, 3736491.9,   2.4,   2.4,   0.0);   (399002.8,
3736491.9,   2.3,   2.3,   0.0);
     (399022.8, 3736491.9,   2.6,   2.6,   0.0);   (399042.8,
3736491.9,   2.8,   2.8,   0.0);

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                       (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                    (METERS)

     (399062.8, 3736491.9,   2.8,   2.8,   0.0);   (399082.8,
3736491.9,   2.7,   2.7,   0.0);
     (399102.8, 3736491.9,   2.7,   2.7,   0.0);   (399122.8,
3736491.9,   2.6,   2.6,   0.0);
     (399142.8, 3736491.9,   2.5,   2.5,   0.0);   (399162.8,
3736491.9,   2.2,   2.2,   0.0);
     (399182.8, 3736491.9,   2.4,   2.4,   0.0);   (399202.8,
3736491.9,   2.2,   2.2,   0.0);
     (399222.8, 3736491.9,   2.3,   2.3,   0.0);   (399242.8,
3736491.9,   2.4,   2.4,   0.0);
     (399262.8, 3736491.9,   2.7,   2.7,   0.0);   (399282.8,
3736491.9,   2.8,   2.8,   0.0);
     (399302.8, 3736491.9,   2.8,   2.8,   0.0);   (399322.8,

```
3736491.9,       2.7,       2.7,       0.0);
     ( 399342.8, 3736491.9,       2.7,       2.7,       0.0);         ( 399362.8,
3736491.9,       2.6,       2.6,       0.0);
     ( 399382.8, 3736491.9,       2.6,       2.6,       0.0);         ( 399402.8,
3736491.9,       2.6,       2.6,       0.0);
     ( 399422.8, 3736491.9,       2.7,       2.7,       0.0);         ( 399442.8,
3736491.9,       2.7,       2.7,       0.0);
     ( 399462.8, 3736491.9,       2.5,       2.5,       0.0);         ( 399482.8,
3736491.9,       1.4,       1.4,       0.0);
     ( 399502.8, 3736491.9,       1.3,       1.3,       0.0);         ( 399522.8,
3736491.9,       2.2,       2.2,       0.0);
     ( 399542.8, 3736491.9,       2.4,       2.4,       0.0);         ( 399562.8,
3736491.9,       2.4,       2.4,       0.0);
     ( 399582.8, 3736491.9,       2.5,       2.5,       0.0);         ( 399602.8,
3736491.9,       2.4,       2.4,       0.0);
     ( 399622.8, 3736491.9,       2.2,       2.2,       0.0);         ( 399642.8,
3736491.9,       2.5,       2.5,       0.0);
     ( 399662.8, 3736491.9,       2.7,       2.7,       0.0);         ( 399682.8,
3736491.9,       2.7,       2.7,       0.0);
     ( 399702.8, 3736491.9,       2.7,       2.7,       0.0);         ( 399722.8,
3736491.9,       2.8,       2.8,       0.0);
     ( 399742.8, 3736491.9,       2.8,       2.8,       0.0);         ( 399762.8,
3736491.9,       2.8,       2.8,       0.0);
     ( 399782.8, 3736491.9,       2.8,       2.8,       0.0);         ( 399802.8,
3736491.9,       2.3,       2.3,       0.0);
     ( 399822.8, 3736491.9,       2.3,       2.3,       0.0);         ( 399842.8,
3736491.9,       2.5,       2.5,       0.0);
     ( 399862.8, 3736491.9,       2.7,       2.7,       0.0);         ( 399882.8,
3736491.9,       2.9,       2.9,       0.0);
     ( 399902.8, 3736491.9,       3.0,       3.0,       0.0);         ( 399922.8,
3736491.9,       3.0,       3.0,       0.0);
     ( 399942.8, 3736491.9,       3.0,       3.0,       0.0);         ( 399962.8,
3736491.9,       3.0,       3.0,       0.0);
     ( 399982.8, 3736491.9,       3.1,       3.1,       0.0);         ( 400002.8,
3736491.9,       2.9,       2.9,       0.0);
     ( 400022.8, 3736491.9,       2.7,       2.7,       0.0);         ( 400042.8,
3736491.9,       2.6,       2.6,       0.0);
     ( 400062.8, 3736491.9,       2.9,       2.9,       0.0);         ( 400082.8,
3736491.9,       3.3,       3.3,       0.0);
     ( 400102.8, 3736491.9,       3.3,       3.3,       0.0);         ( 400122.8,
3736491.9,       3.4,       3.4,       0.0);
     ( 400142.8, 3736491.9,       3.3,       3.3,       0.0);         ( 400162.8,
3736491.9,       3.2,       3.2,       0.0);
     ( 400182.8, 3736491.9,       3.2,       3.2,       0.0);         ( 398682.8,
3736511.9,       1.4,       3.2,       0.0);
     ( 398702.8, 3736511.9,       3.5,       3.5,       0.0);         ( 398722.8,
3736511.9,       3.6,       3.6,       0.0);
     ( 398742.8, 3736511.9,       3.6,       3.6,       0.0);         ( 398762.8,
3736511.9,       3.6,       3.6,       0.0);
     ( 398782.8, 3736511.9,       3.6,       3.6,       0.0);         ( 398802.8,
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3736511.9,   3.5,   3.5,   0.0);
     (398822.8, 3736511.9,   3.6,   3.6,   0.0);   (398842.8,
3736511.9,   2.4,   2.4,   0.0);
     (398862.8, 3736511.9,   -0.2,   3.7,   0.0);   (398882.8,
3736511.9,   2.1,   2.1,   0.0);
     (398902.8, 3736511.9,   2.3,   2.3,   0.0);   (398922.8,
3736511.9,   2.3,   2.3,   0.0);
     (398942.8, 3736511.9,   2.3,   2.3,   0.0);   (398962.8,
3736511.9,   2.3,   2.3,   0.0);
     (398982.8, 3736511.9,   2.2,   2.2,   0.0);   (399002.8,
3736511.9,   2.4,   2.4,   0.0);
     (399022.8, 3736511.9,   2.6,   2.6,   0.0);   (399042.8,
3736511.9,   2.8,   2.8,   0.0);
     (399062.8, 3736511.9,   2.6,   2.6,   0.0);   (399082.8,
3736511.9,   2.6,   2.6,   0.0);
     (399102.8, 3736511.9,   2.6,   2.6,   0.0);   (399122.8,
3736511.9,   2.5,   2.5,   0.0);
     (399142.8, 3736511.9,   2.2,   2.2,   0.0);   (399162.8,
3736511.9,   2.4,   2.4,   0.0);
     (399182.8, 3736511.9,   2.6,   2.6,   0.0);   (399202.8,
3736511.9,   2.6,   2.6,   0.0);
     (399222.8, 3736511.9,   2.3,   2.3,   0.0);   (399242.8,
3736511.9,   2.7,   2.7,   0.0);
     (399262.8, 3736511.9,   2.7,   2.7,   0.0);   (399282.8,
3736511.9,   2.8,   2.8,   0.0);
     (399302.8, 3736511.9,   2.7,   2.7,   0.0);   (399322.8,
3736511.9,   2.7,   2.7,   0.0);

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                              (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                          (METERS)

     (399342.8, 3736511.9,   2.7,   2.7,   0.0);   (399362.8,
3736511.9,   2.5,   2.5,   0.0);
     (399382.8, 3736511.9,   2.5,   2.5,   0.0);   (399402.8,
3736511.9,   2.6,   2.6,   0.0);
     (399422.8, 3736511.9,   2.7,   2.7,   0.0);   (399442.8,
3736511.9,   2.6,   2.6,   0.0);
     (399462.8, 3736511.9,   2.7,   2.7,   0.0);   (399482.8,
3736511.9,   2.3,   2.3,   0.0);
     (399502.8, 3736511.9,   2.1,   2.1,   0.0);   (399522.8,
3736511.9,   1.0,   1.0,   0.0);
     (399542.8, 3736511.9,   1.8,   1.8,   0.0);   (399562.8,

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3736511.9,       2.3,       2.3,       0.0);
     ( 399582.8, 3736511.9,       2.4,       2.4,       0.0);         ( 399602.8,
3736511.9,       2.1,       2.1,       0.0);
     ( 399622.8, 3736511.9,       2.4,       2.4,       0.0);         ( 399642.8,
3736511.9,       2.6,       2.6,       0.0);
     ( 399662.8, 3736511.9,       2.8,       2.8,       0.0);         ( 399682.8,
3736511.9,       2.7,       2.7,       0.0);
     ( 399702.8, 3736511.9,       2.8,       2.8,       0.0);         ( 399722.8,
3736511.9,       2.8,       2.8,       0.0);
     ( 399742.8, 3736511.9,       2.8,       2.8,       0.0);         ( 399762.8,
3736511.9,       2.7,       2.7,       0.0);
     ( 399782.8, 3736511.9,       2.6,       2.6,       0.0);         ( 399802.8,
3736511.9,       2.3,       2.3,       0.0);
     ( 399822.8, 3736511.9,       2.3,       2.3,       0.0);         ( 399842.8,
3736511.9,       2.6,       2.6,       0.0);
     ( 399862.8, 3736511.9,       2.9,       2.9,       0.0);         ( 399882.8,
3736511.9,       3.0,       3.0,       0.0);
     ( 399902.8, 3736511.9,       3.0,       3.0,       0.0);         ( 399922.8,
3736511.9,       2.9,       2.9,       0.0);
     ( 399942.8, 3736511.9,       3.0,       3.0,       0.0);         ( 399962.8,
3736511.9,       3.0,       3.0,       0.0);
     ( 399982.8, 3736511.9,       3.0,       3.0,       0.0);         ( 400002.8,
3736511.9,       2.8,       2.8,       0.0);
     ( 400022.8, 3736511.9,       2.6,       2.6,       0.0);         ( 400042.8,
3736511.9,       2.6,       2.6,       0.0);
     ( 400062.8, 3736511.9,       2.9,       2.9,       0.0);         ( 400082.8,
3736511.9,       3.2,       3.2,       0.0);
     ( 400102.8, 3736511.9,       3.3,       3.3,       0.0);         ( 400122.8,
3736511.9,       3.4,       3.4,       0.0);
     ( 400142.8, 3736511.9,       3.2,       3.2,       0.0);         ( 400162.8,
3736511.9,       3.1,       3.1,       0.0);
     ( 400182.8, 3736511.9,       3.2,       3.2,       0.0);         ( 398682.8,
3736531.9,       1.4,       3.2,       0.0);
     ( 398702.8, 3736531.9,       3.5,       3.5,       0.0);         ( 398722.8,
3736531.9,       3.9,       3.9,       0.0);
     ( 398742.8, 3736531.9,       3.8,       3.8,       0.0);         ( 398762.8,
3736531.9,       3.7,       3.7,       0.0);
     ( 398782.8, 3736531.9,       3.5,       3.5,       0.0);         ( 398802.8,
3736531.9,       3.3,       3.3,       0.0);
     ( 398822.8, 3736531.9,       3.5,       3.5,       0.0);         ( 398842.8,
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     ( 398862.8, 3736531.9,      -0.4,       3.5,       0.0);         ( 398882.8,
3736531.9,       2.4,       2.4,       0.0);
     ( 398902.8, 3736531.9,       2.2,       2.2,       0.0);         ( 398922.8,
3736531.9,       2.2,       2.2,       0.0);
     ( 398942.8, 3736531.9,       2.2,       2.2,       0.0);         ( 398962.8,
3736531.9,       2.2,       2.2,       0.0);
     ( 398982.8, 3736531.9,       2.0,       2.0,       0.0);         ( 399002.8,
3736531.9,       2.3,       2.3,       0.0);
     ( 399022.8, 3736531.9,       2.6,       2.6,       0.0);         ( 399042.8,
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3736531.9,       2.5,       2.5,       0.0);
     ( 399062.8, 3736531.9,       2.3,       2.3,       0.0);         ( 399082.8,
3736531.9,       2.3,       2.3,       0.0);
     ( 399102.8, 3736531.9,       2.6,       2.6,       0.0);         ( 399122.8,
3736531.9,       2.4,       2.4,       0.0);
     ( 399142.8, 3736531.9,       2.2,       2.2,       0.0);         ( 399162.8,
3736531.9,       2.6,       2.6,       0.0);
     ( 399182.8, 3736531.9,       2.6,       2.6,       0.0);         ( 399202.8,
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     ( 399222.8, 3736531.9,       2.6,       2.6,       0.0);         ( 399242.8,
3736531.9,       2.8,       2.8,       0.0);
     ( 399262.8, 3736531.9,       2.8,       2.8,       0.0);         ( 399282.8,
3736531.9,       2.8,       2.8,       0.0);
     ( 399302.8, 3736531.9,       2.7,       2.7,       0.0);         ( 399322.8,
3736531.9,       2.7,       2.7,       0.0);
     ( 399342.8, 3736531.9,       2.7,       2.7,       0.0);         ( 399362.8,
3736531.9,       2.7,       2.7,       0.0);
     ( 399382.8, 3736531.9,       2.3,       2.3,       0.0);         ( 399402.8,
3736531.9,       2.7,       2.7,       0.0);
     ( 399422.8, 3736531.9,       2.6,       2.6,       0.0);         ( 399442.8,
3736531.9,       2.6,       2.6,       0.0);
     ( 399462.8, 3736531.9,       2.4,       2.4,       0.0);         ( 399482.8,
3736531.9,       2.5,       2.5,       0.0);
     ( 399502.8, 3736531.9,       2.6,       2.6,       0.0);         ( 399522.8,
3736531.9,       2.4,       2.4,       0.0);
     ( 399542.8, 3736531.9,       1.4,       1.4,       0.0);         ( 399562.8,
3736531.9,       1.3,       1.3,       0.0);
     ( 399582.8, 3736531.9,       2.1,       2.1,       0.0);         ( 399602.8,
3736531.9,       2.3,       2.3,       0.0);
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                                   ***        10:15:03

                                    PAGE  25
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                                  *** DISCRETE CARTESIAN RECEPTORS ***
                                                (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                             (METERS)

     ( 399622.8, 3736531.9,       2.6,       2.6,       0.0);         ( 399642.8,
3736531.9,       2.7,       2.7,       0.0);
     ( 399662.8, 3736531.9,       2.7,       2.7,       0.0);         ( 399682.8,
3736531.9,       2.7,       2.7,       0.0);
     ( 399702.8, 3736531.9,       2.8,       2.8,       0.0);         ( 399722.8,
3736531.9,       2.7,       2.7,       0.0);
     ( 399742.8, 3736531.9,       2.8,       2.8,       0.0);         ( 399762.8,
3736531.9,       2.6,       2.6,       0.0);
     ( 399782.8, 3736531.9,       2.3,       2.3,       0.0);         ( 399802.8,
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3736531.9,       2.3,       2.3,       0.0);
     ( 399822.8, 3736531.9,       2.2,       2.2,       0.0);         ( 399842.8,
3736531.9,       2.6,       2.6,       0.0);
     ( 399862.8, 3736531.9,       2.9,       2.9,       0.0);         ( 399882.8,
3736531.9,       2.9,       2.9,       0.0);
     ( 399902.8, 3736531.9,       3.0,       3.0,       0.0);         ( 399922.8,
3736531.9,       2.9,       2.9,       0.0);
     ( 399942.8, 3736531.9,       2.8,       2.8,       0.0);         ( 399962.8,
3736531.9,       2.8,       2.8,       0.0);
     ( 399982.8, 3736531.9,       2.6,       2.6,       0.0);         ( 400002.8,
3736531.9,       2.5,       2.5,       0.0);
     ( 400022.8, 3736531.9,       2.5,       2.5,       0.0);         ( 400042.8,
3736531.9,       2.7,       2.7,       0.0);
     ( 400062.8, 3736531.9,       2.9,       2.9,       0.0);         ( 400082.8,
3736531.9,       3.2,       3.2,       0.0);
     ( 400102.8, 3736531.9,       3.3,       3.3,       0.0);         ( 400122.8,
3736531.9,       3.3,       3.3,       0.0);
     ( 400142.8, 3736531.9,       3.3,       3.3,       0.0);         ( 400162.8,
3736531.9,       3.2,       3.2,       0.0);
     ( 400182.8, 3736531.9,       3.3,       3.3,       0.0);         ( 398682.8,
3736551.9,       1.4,       3.2,       0.0);
     ( 398702.8, 3736551.9,       3.5,       3.5,       0.0);         ( 398722.8,
3736551.9,       3.8,       3.8,       0.0);
     ( 398742.8, 3736551.9,       3.7,       3.7,       0.0);         ( 398762.8,
3736551.9,       3.4,       3.4,       0.0);
     ( 398782.8, 3736551.9,       3.4,       3.4,       0.0);         ( 398802.8,
3736551.9,       3.2,       3.2,       0.0);
     ( 398822.8, 3736551.9,       3.5,       3.5,       0.0);         ( 398842.8,
3736551.9,       2.4,       2.4,       0.0);
     ( 398862.8, 3736551.9,      -0.3,       3.5,       0.0);         ( 398882.8,
3736551.9,       2.5,       2.5,       0.0);
     ( 398902.8, 3736551.9,       2.3,       2.3,       0.0);         ( 398922.8,
3736551.9,       2.2,       2.2,       0.0);
     ( 398942.8, 3736551.9,       2.2,       2.2,       0.0);         ( 398962.8,
3736551.9,       2.2,       2.2,       0.0);
     ( 398982.8, 3736551.9,       2.1,       2.1,       0.0);         ( 399002.8,
3736551.9,       2.6,       2.6,       0.0);
     ( 399022.8, 3736551.9,       2.6,       2.6,       0.0);         ( 399042.8,
3736551.9,       2.3,       2.3,       0.0);
     ( 399062.8, 3736551.9,       2.2,       2.2,       0.0);         ( 399082.8,
3736551.9,       2.2,       2.2,       0.0);
     ( 399102.8, 3736551.9,       2.2,       2.2,       0.0);         ( 399122.8,
3736551.9,       2.1,       2.1,       0.0);
     ( 399142.8, 3736551.9,       2.5,       2.5,       0.0);         ( 399162.8,
3736551.9,       2.6,       2.6,       0.0);
     ( 399182.8, 3736551.9,       2.6,       2.6,       0.0);         ( 399202.8,
3736551.9,       2.6,       2.6,       0.0);
     ( 399222.8, 3736551.9,       2.7,       2.7,       0.0);         ( 399242.8,
3736551.9,       2.7,       2.7,       0.0);
     ( 399262.8, 3736551.9,       2.8,       2.8,       0.0);         ( 399282.8,
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3736551.9,       2.6,       2.6,       0.0);
     ( 399302.8, 3736551.9,       2.7,       2.7,       0.0);         ( 399322.8,
3736551.9,       2.8,       2.8,       0.0);
     ( 399342.8, 3736551.9,       2.7,       2.7,       0.0);         ( 399362.8,
3736551.9,       2.6,       2.6,       0.0);
     ( 399382.8, 3736551.9,       2.3,       2.3,       0.0);         ( 399402.8,
3736551.9,       2.4,       2.4,       0.0);
     ( 399422.8, 3736551.9,       2.6,       2.6,       0.0);         ( 399442.8,
3736551.9,       2.5,       2.5,       0.0);
     ( 399462.8, 3736551.9,       2.4,       2.4,       0.0);         ( 399482.8,
3736551.9,       2.6,       2.6,       0.0);
     ( 399502.8, 3736551.9,       2.5,       2.5,       0.0);         ( 399522.8,
3736551.9,       2.6,       2.6,       0.0);
     ( 399542.8, 3736551.9,       2.5,       2.5,       0.0);         ( 399562.8,
3736551.9,       1.9,       1.9,       0.0);
     ( 399582.8, 3736551.9,       1.0,       1.0,       0.0);         ( 399602.8,
3736551.9,       2.0,       2.0,       0.0);
     ( 399622.8, 3736551.9,       2.7,       2.7,       0.0);         ( 399642.8,
3736551.9,       2.7,       2.7,       0.0);
     ( 399662.8, 3736551.9,       2.7,       2.7,       0.0);         ( 399682.8,
3736551.9,       2.7,       2.7,       0.0);
     ( 399702.8, 3736551.9,       2.6,       2.6,       0.0);         ( 399722.8,
3736551.9,       2.5,       2.5,       0.0);
     ( 399742.8, 3736551.9,       2.5,       2.5,       0.0);         ( 399762.8,
3736551.9,       2.3,       2.3,       0.0);
     ( 399782.8, 3736551.9,       2.2,       2.2,       0.0);         ( 399802.8,
3736551.9,       2.2,       2.2,       0.0);
     ( 399822.8, 3736551.9,       2.4,       2.4,       0.0);         ( 399842.8,
3736551.9,       2.7,       2.7,       0.0);
     ( 399862.8, 3736551.9,       2.9,       2.9,       0.0);         ( 399882.8,
3736551.9,       2.9,       2.9,       0.0);
↟ *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                      ***        10:15:03

                                  PAGE  26
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                        (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                    (METERS)

     ( 399902.8, 3736551.9,       3.0,       3.0,       0.0);         ( 399922.8,
3736551.9,       2.9,       2.9,       0.0);
     ( 399942.8, 3736551.9,       2.7,       2.7,       0.0);         ( 399962.8,
3736551.9,       2.5,       2.5,       0.0);
     ( 399982.8, 3736551.9,       2.4,       2.4,       0.0);         ( 400002.8,
3736551.9,       2.6,       2.6,       0.0);
     ( 400022.8, 3736551.9,       2.8,       2.8,       0.0);         ( 400042.8,
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3736551.9,       3.0,       3.0,       0.0);
     ( 400062.8, 3736551.9,       3.2,       3.2,       0.0);         ( 400082.8,
3736551.9,       3.3,       3.3,       0.0);
     ( 400102.8, 3736551.9,       3.3,       3.3,       0.0);         ( 400122.8,
3736551.9,       3.3,       3.3,       0.0);
     ( 400142.8, 3736551.9,       3.3,       3.3,       0.0);         ( 400162.8,
3736551.9,       3.3,       3.3,       0.0);
     ( 400182.8, 3736551.9,       3.4,       3.4,       0.0);         ( 398682.8,
3736571.9,       1.4,       3.3,       0.0);
     ( 398702.8, 3736571.9,       3.5,       3.5,       0.0);         ( 398722.8,
3736571.9,       3.8,       3.8,       0.0);
     ( 398742.8, 3736571.9,       3.6,       3.6,       0.0);         ( 398762.8,
3736571.9,       3.4,       3.4,       0.0);
     ( 398782.8, 3736571.9,       3.4,       3.4,       0.0);         ( 398802.8,
3736571.9,       3.4,       3.4,       0.0);
     ( 398822.8, 3736571.9,       3.4,       3.4,       0.0);         ( 398842.8,
3736571.9,       2.3,       2.3,       0.0);
     ( 398862.8, 3736571.9,      -0.2,       2.9,       0.0);         ( 398882.8,
3736571.9,       2.6,       2.6,       0.0);
     ( 398902.8, 3736571.9,       2.4,       2.4,       0.0);         ( 398922.8,
3736571.9,       2.2,       2.2,       0.0);
     ( 398942.8, 3736571.9,       2.3,       2.3,       0.0);         ( 398962.8,
3736571.9,       2.1,       2.1,       0.0);
     ( 398982.8, 3736571.9,       2.2,       2.2,       0.0);         ( 399002.8,
3736571.9,       2.5,       2.5,       0.0);
     ( 399022.8, 3736571.9,       2.4,       2.4,       0.0);         ( 399042.8,
3736571.9,       2.3,       2.3,       0.0);
     ( 399062.8, 3736571.9,       2.2,       2.2,       0.0);         ( 399082.8,
3736571.9,       2.2,       2.2,       0.0);
     ( 399102.8, 3736571.9,       2.1,       2.1,       0.0);         ( 399122.8,
3736571.9,       2.1,       2.1,       0.0);
     ( 399142.8, 3736571.9,       2.3,       2.3,       0.0);         ( 399162.8,
3736571.9,       2.5,       2.5,       0.0);
     ( 399182.8, 3736571.9,       2.6,       2.6,       0.0);         ( 399202.8,
3736571.9,       2.6,       2.6,       0.0);
     ( 399222.8, 3736571.9,       2.7,       2.7,       0.0);         ( 399242.8,
3736571.9,       2.7,       2.7,       0.0);
     ( 399262.8, 3736571.9,       2.6,       2.6,       0.0);         ( 399282.8,
3736571.9,       2.6,       2.6,       0.0);
     ( 399302.8, 3736571.9,       2.7,       2.7,       0.0);         ( 399322.8,
3736571.9,       2.7,       2.7,       0.0);
     ( 399342.8, 3736571.9,       2.6,       2.6,       0.0);         ( 399362.8,
3736571.9,       2.3,       2.3,       0.0);
     ( 399382.8, 3736571.9,       2.3,       2.3,       0.0);         ( 399402.8,
3736571.9,       2.3,       2.3,       0.0);
     ( 399422.8, 3736571.9,       2.3,       2.3,       0.0);         ( 399442.8,
3736571.9,       2.3,       2.3,       0.0);
     ( 399462.8, 3736571.9,       2.6,       2.6,       0.0);         ( 399482.8,
3736571.9,       2.5,       2.5,       0.0);
     ( 399502.8, 3736571.9,       2.6,       2.6,       0.0);         ( 399522.8,
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3736571.9,   2.5,   2.5,   0.0);
     (399542.8, 3736571.9,   2.5,   2.5,   0.0);   (399562.8,
3736571.9,   2.4,   2.4,   0.0);
     (399582.8, 3736571.9,   2.2,   2.2,   0.0);   (399602.8,
3736571.9,   1.3,   1.3,   0.0);
     (399622.8, 3736571.9,   1.4,   1.4,   0.0);   (399642.8,
3736571.9,   2.2,   2.2,   0.0);
     (399662.8, 3736571.9,   2.6,   2.6,   0.0);   (399682.8,
3736571.9,   2.7,   2.7,   0.0);
     (399702.8, 3736571.9,   2.5,   2.5,   0.0);   (399722.8,
3736571.9,   2.4,   2.4,   0.0);
     (399742.8, 3736571.9,   2.1,   2.1,   0.0);   (399762.8,
3736571.9,   2.1,   2.1,   0.0);
     (399782.8, 3736571.9,   2.2,   2.2,   0.0);   (399802.8,
3736571.9,   2.3,   2.3,   0.0);
     (399822.8, 3736571.9,   2.6,   2.6,   0.0);   (399842.8,
3736571.9,   2.7,   2.7,   0.0);
     (399862.8, 3736571.9,   2.8,   2.8,   0.0);   (399882.8,
3736571.9,   2.9,   2.9,   0.0);
     (399902.8, 3736571.9,   3.0,   3.0,   0.0);   (399922.8,
3736571.9,   2.9,   2.9,   0.0);
     (399942.8, 3736571.9,   2.6,   2.6,   0.0);   (399962.8,
3736571.9,   2.4,   2.4,   0.0);
     (399982.8, 3736571.9,   2.5,   2.5,   0.0);   (400002.8,
3736571.9,   2.9,   2.9,   0.0);
     (400022.8, 3736571.9,   3.2,   3.2,   0.0);   (400042.8,
3736571.9,   3.2,   3.2,   0.0);
     (400062.8, 3736571.9,   3.3,   3.3,   0.0);   (400082.8,
3736571.9,   3.3,   3.3,   0.0);
     (400102.8, 3736571.9,   3.3,   3.3,   0.0);   (400122.8,
3736571.9,   3.2,   3.2,   0.0);
     (400142.8, 3736571.9,   3.2,   3.2,   0.0);   (400162.8,
3736571.9,   3.1,   3.1,   0.0);

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                        (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                    (METERS)

     (400182.8, 3736571.9,   3.4,   3.4,   0.0);   (398682.8,
3736591.9,   1.5,   3.8,   0.0);
     (398702.8, 3736591.9,   3.4,   3.4,   0.0);   (398722.8,
3736591.9,   3.6,   3.6,   0.0);
     (398742.8, 3736591.9,   3.4,   3.4,   0.0);   (398762.8,

```
3736591.9,       3.3,       3.3,       0.0);
     ( 398782.8, 3736591.9,       3.4,       3.4,       0.0);         ( 398802.8,
3736591.9,       3.3,       3.3,       0.0);
     ( 398822.8, 3736591.9,       3.1,       3.1,       0.0);         ( 398842.8,
3736591.9,       2.0,       2.0,       0.0);
     ( 398862.8, 3736591.9,       0.2,       2.7,       0.0);         ( 398882.8,
3736591.9,       2.6,       2.6,       0.0);
     ( 398902.8, 3736591.9,       2.4,       2.4,       0.0);         ( 398922.8,
3736591.9,       2.3,       2.3,       0.0);
     ( 398942.8, 3736591.9,       2.4,       2.4,       0.0);         ( 398962.8,
3736591.9,       2.1,       2.1,       0.0);
     ( 398982.8, 3736591.9,       2.4,       2.4,       0.0);         ( 399002.8,
3736591.9,       2.4,       2.4,       0.0);
     ( 399022.8, 3736591.9,       2.6,       2.6,       0.0);         ( 399042.8,
3736591.9,       2.3,       2.3,       0.0);
     ( 399062.8, 3736591.9,       2.2,       2.2,       0.0);         ( 399082.8,
3736591.9,       2.2,       2.2,       0.0);
     ( 399102.8, 3736591.9,       2.2,       2.2,       0.0);         ( 399122.8,
3736591.9,       2.2,       2.2,       0.0);
     ( 399142.8, 3736591.9,       2.2,       2.2,       0.0);         ( 399162.8,
3736591.9,       2.3,       2.3,       0.0);
     ( 399182.8, 3736591.9,       2.5,       2.5,       0.0);         ( 399202.8,
3736591.9,       2.6,       2.6,       0.0);
     ( 399222.8, 3736591.9,       2.7,       2.7,       0.0);         ( 399242.8,
3736591.9,       2.6,       2.6,       0.0);
     ( 399262.8, 3736591.9,       2.4,       2.4,       0.0);         ( 399282.8,
3736591.9,       2.6,       2.6,       0.0);
     ( 399302.8, 3736591.9,       2.7,       2.7,       0.0);         ( 399322.8,
3736591.9,       2.6,       2.6,       0.0);
     ( 399342.8, 3736591.9,       2.4,       2.4,       0.0);         ( 399362.8,
3736591.9,       2.3,       2.3,       0.0);
     ( 399382.8, 3736591.9,       2.3,       2.3,       0.0);         ( 399402.8,
3736591.9,       2.3,       2.3,       0.0);
     ( 399422.8, 3736591.9,       2.2,       2.2,       0.0);         ( 399442.8,
3736591.9,       2.2,       2.2,       0.0);
     ( 399462.8, 3736591.9,       2.4,       2.4,       0.0);         ( 399482.8,
3736591.9,       2.6,       2.6,       0.0);
     ( 399502.8, 3736591.9,       2.6,       2.6,       0.0);         ( 399522.8,
3736591.9,       2.6,       2.6,       0.0);
     ( 399542.8, 3736591.9,       2.6,       2.6,       0.0);         ( 399562.8,
3736591.9,       2.6,       2.6,       0.0);
     ( 399582.8, 3736591.9,       2.7,       2.7,       0.0);         ( 399602.8,
3736591.9,       2.3,       2.3,       0.0);
     ( 399622.8, 3736591.9,       1.8,       1.8,       0.0);         ( 399642.8,
3736591.9,       1.0,       1.0,       0.0);
     ( 399662.8, 3736591.9,       2.1,       2.1,       0.0);         ( 399682.8,
3736591.9,       2.6,       2.6,       0.0);
     ( 399702.8, 3736591.9,       2.4,       2.4,       0.0);         ( 399722.8,
3736591.9,       2.1,       2.1,       0.0);
     ( 399742.8, 3736591.9,       2.1,       2.1,       0.0);         ( 399762.8,
```

3736591.9, 2.2, 2.2, 0.0);
     (399782.8, 3736591.9, 2.5, 2.5, 0.0); (399802.8,
3736591.9, 2.7, 2.7, 0.0);
     (399822.8, 3736591.9, 2.8, 2.8, 0.0); (399842.8,
3736591.9, 2.9, 2.9, 0.0);
     (399862.8, 3736591.9, 2.9, 2.9, 0.0); (399882.8,
3736591.9, 2.9, 2.9, 0.0);
     (399902.8, 3736591.9, 2.9, 2.9, 0.0); (399922.8,
3736591.9, 2.9, 2.9, 0.0);
     (399942.8, 3736591.9, 2.6, 2.6, 0.0); (399962.8,
3736591.9, 2.4, 2.4, 0.0);
     (399982.8, 3736591.9, 2.8, 2.8, 0.0); (400002.8,
3736591.9, 3.0, 3.0, 0.0);
     (400022.8, 3736591.9, 3.2, 3.2, 0.0); (400042.8,
3736591.9, 3.2, 3.2, 0.0);
     (400062.8, 3736591.9, 3.3, 3.3, 0.0); (400082.8,
3736591.9, 3.2, 3.2, 0.0);
     (400102.8, 3736591.9, 3.3, 3.3, 0.0); (400122.8,
3736591.9, 3.2, 3.2, 0.0);
     (400142.8, 3736591.9, 3.1, 3.1, 0.0); (400162.8,
3736591.9, 3.2, 3.2, 0.0);
     (400182.8, 3736591.9, 3.6, 3.6, 0.0); (398682.8,
3736611.9, 3.3, 3.3, 0.0);
     (398702.8, 3736611.9, 3.7, 3.7, 0.0); (398722.8,
3736611.9, 3.3, 3.3, 0.0);
     (398742.8, 3736611.9, 3.2, 3.2, 0.0); (398762.8,
3736611.9, 3.1, 3.1, 0.0);
     (398782.8, 3736611.9, 3.1, 3.1, 0.0); (398802.8,
3736611.9, 3.1, 3.1, 0.0);
     (398822.8, 3736611.9, 3.0, 3.0, 0.0); (398842.8,
3736611.9, 1.2, 2.9, 0.0);
     (398862.8, 3736611.9, 1.2, 2.8, 0.0); (398882.8,
3736611.9, 2.7, 2.7, 0.0);
     (398902.8, 3736611.9, 2.6, 2.6, 0.0); (398922.8,
3736611.9, 2.8, 2.8, 0.0);

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                        (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                    (METERS)

     (398942.8, 3736611.9, 2.7, 2.7, 0.0); (398962.8,
3736611.9, 2.1, 2.1, 0.0);
     (398982.8, 3736611.9, 2.5, 2.5, 0.0); (399002.8,

```
3736611.9,       2.4,       2.4,       0.0);
     ( 399022.8, 3736611.9,       2.5,       2.5,       0.0);         ( 399042.8,
3736611.9,       2.6,       2.6,       0.0);
     ( 399062.8, 3736611.9,       2.4,       2.4,       0.0);         ( 399082.8,
3736611.9,       2.1,       2.1,       0.0);
     ( 399102.8, 3736611.9,       2.2,       2.2,       0.0);         ( 399122.8,
3736611.9,       2.2,       2.2,       0.0);
     ( 399142.8, 3736611.9,       2.2,       2.2,       0.0);         ( 399162.8,
3736611.9,       2.3,       2.3,       0.0);
     ( 399182.8, 3736611.9,       2.5,       2.5,       0.0);         ( 399202.8,
3736611.9,       2.6,       2.6,       0.0);
     ( 399222.8, 3736611.9,       2.6,       2.6,       0.0);         ( 399242.8,
3736611.9,       2.4,       2.4,       0.0);
     ( 399262.8, 3736611.9,       2.5,       2.5,       0.0);         ( 399282.8,
3736611.9,       2.7,       2.7,       0.0);
     ( 399302.8, 3736611.9,       2.7,       2.7,       0.0);         ( 399322.8,
3736611.9,       2.7,       2.7,       0.0);
     ( 399342.8, 3736611.9,       2.5,       2.5,       0.0);         ( 399362.8,
3736611.9,       2.3,       2.3,       0.0);
     ( 399382.8, 3736611.9,       2.3,       2.3,       0.0);         ( 399402.8,
3736611.9,       2.3,       2.3,       0.0);
     ( 399422.8, 3736611.9,       2.3,       2.3,       0.0);         ( 399442.8,
3736611.9,       2.3,       2.3,       0.0);
     ( 399462.8, 3736611.9,       2.2,       2.2,       0.0);         ( 399482.8,
3736611.9,       2.3,       2.3,       0.0);
     ( 399502.8, 3736611.9,       2.6,       2.6,       0.0);         ( 399522.8,
3736611.9,       2.8,       2.8,       0.0);
     ( 399542.8, 3736611.9,       2.6,       2.6,       0.0);         ( 399562.8,
3736611.9,       2.7,       2.7,       0.0);
     ( 399582.8, 3736611.9,       2.5,       2.5,       0.0);         ( 399602.8,
3736611.9,       2.4,       2.4,       0.0);
     ( 399622.8, 3736611.9,       2.4,       2.4,       0.0);         ( 399642.8,
3736611.9,       2.1,       2.1,       0.0);
     ( 399662.8, 3736611.9,       1.2,       1.2,       0.0);         ( 399682.8,
3736611.9,       1.5,       1.5,       0.0);
     ( 399702.8, 3736611.9,       2.1,       2.1,       0.0);         ( 399722.8,
3736611.9,       2.1,       2.1,       0.0);
     ( 399742.8, 3736611.9,       2.2,       2.2,       0.0);         ( 399762.8,
3736611.9,       2.3,       2.3,       0.0);
     ( 399782.8, 3736611.9,       2.6,       2.6,       0.0);         ( 399802.8,
3736611.9,       2.8,       2.8,       0.0);
     ( 399822.8, 3736611.9,       2.8,       2.8,       0.0);         ( 399842.8,
3736611.9,       2.9,       2.9,       0.0);
     ( 399862.8, 3736611.9,       2.9,       2.9,       0.0);         ( 399882.8,
3736611.9,       3.0,       3.0,       0.0);
     ( 399902.8, 3736611.9,       2.8,       2.8,       0.0);         ( 399922.8,
3736611.9,       2.7,       2.7,       0.0);
     ( 399942.8, 3736611.9,       2.5,       2.5,       0.0);         ( 399962.8,
3736611.9,       2.4,       2.4,       0.0);
     ( 399982.8, 3736611.9,       2.8,       2.8,       0.0);         ( 400002.8,
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3736611.9,   3.2,   3.2,   0.0);
     (400022.8, 3736611.9,   3.2,   3.2,   0.0);   (400042.8,
3736611.9,   3.2,   3.2,   0.0);
     (400062.8, 3736611.9,   3.2,   3.2,   0.0);   (400082.8,
3736611.9,   3.1,   3.1,   0.0);
     (400102.8, 3736611.9,   3.3,   3.3,   0.0);   (400122.8,
3736611.9,   3.3,   3.3,   0.0);
     (400142.8, 3736611.9,   3.2,   3.2,   0.0);   (400162.8,
3736611.9,   3.4,   3.4,   0.0);
     (400182.8, 3736611.9,   3.7,   3.7,   0.0);   (398682.8,
3736631.9,   3.8,   3.8,   0.0);
     (398702.8, 3736631.9,   3.6,   3.6,   0.0);   (398722.8,
3736631.9,   3.3,   3.3,   0.0);
     (398742.8, 3736631.9,   3.2,   3.2,   0.0);   (398762.8,
3736631.9,   3.1,   3.1,   0.0);
     (398782.8, 3736631.9,   3.1,   3.1,   0.0);   (398802.8,
3736631.9,   3.2,   3.2,   0.0);
     (398822.8, 3736631.9,   2.8,   2.8,   0.0);   (398842.8,
3736631.9,   0.1,   3.0,   0.0);
     (398862.8, 3736631.9,   2.5,   2.5,   0.0);   (398882.8,
3736631.9,   2.9,   2.9,   0.0);
     (398902.8, 3736631.9,   2.8,   2.8,   0.0);   (398922.8,
3736631.9,   2.9,   2.9,   0.0);
     (398942.8, 3736631.9,   2.6,   2.6,   0.0);   (398962.8,
3736631.9,   2.3,   2.3,   0.0);
     (398982.8, 3736631.9,   2.5,   2.5,   0.0);   (399002.8,
3736631.9,   2.4,   2.4,   0.0);
     (399022.8, 3736631.9,   2.5,   2.5,   0.0);   (399042.8,
3736631.9,   2.5,   2.5,   0.0);
     (399062.8, 3736631.9,   2.5,   2.5,   0.0);   (399082.8,
3736631.9,   2.5,   2.5,   0.0);
     (399102.8, 3736631.9,   2.3,   2.3,   0.0);   (399122.8,
3736631.9,   2.3,   2.3,   0.0);
     (399142.8, 3736631.9,   2.3,   2.3,   0.0);   (399162.8,
3736631.9,   2.6,   2.6,   0.0);
     (399182.8, 3736631.9,   2.6,   2.6,   0.0);   (399202.8,
3736631.9,   2.6,   2.6,   0.0);

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                              (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                           (METERS)

     (399222.8, 3736631.9,   2.5,   2.5,   0.0);   (399242.8,

```
3736631.9,       2.4,       2.4,       0.0);
     ( 399262.8, 3736631.9,       2.5,       2.5,       0.0);         ( 399282.8,
3736631.9,       2.7,       2.7,       0.0);
     ( 399302.8, 3736631.9,       2.6,       2.6,       0.0);         ( 399322.8,
3736631.9,       2.6,       2.6,       0.0);
     ( 399342.8, 3736631.9,       2.6,       2.6,       0.0);         ( 399362.8,
3736631.9,       2.3,       2.3,       0.0);
     ( 399382.8, 3736631.9,       2.2,       2.2,       0.0);         ( 399402.8,
3736631.9,       2.2,       2.2,       0.0);
     ( 399422.8, 3736631.9,       2.3,       2.3,       0.0);         ( 399442.8,
3736631.9,       2.3,       2.3,       0.0);
     ( 399462.8, 3736631.9,       2.3,       2.3,       0.0);         ( 399482.8,
3736631.9,       2.3,       2.3,       0.0);
     ( 399502.8, 3736631.9,       2.7,       2.7,       0.0);         ( 399522.8,
3736631.9,       2.8,       2.8,       0.0);
     ( 399542.8, 3736631.9,       2.7,       2.7,       0.0);         ( 399562.8,
3736631.9,       2.7,       2.7,       0.0);
     ( 399582.8, 3736631.9,       2.4,       2.4,       0.0);         ( 399602.8,
3736631.9,       2.4,       2.4,       0.0);
     ( 399622.8, 3736631.9,       2.5,       2.5,       0.0);         ( 399642.8,
3736631.9,       2.4,       2.4,       0.0);
     ( 399662.8, 3736631.9,       2.1,       2.1,       0.0);         ( 399682.8,
3736631.9,       1.7,       1.7,       0.0);
     ( 399702.8, 3736631.9,       1.0,       1.0,       0.0);         ( 399722.8,
3736631.9,       2.0,       2.0,       0.0);
     ( 399742.8, 3736631.9,       2.1,       2.1,       0.0);         ( 399762.8,
3736631.9,       2.7,       2.7,       0.0);
     ( 399782.8, 3736631.9,       2.8,       2.8,       0.0);         ( 399802.8,
3736631.9,       2.9,       2.9,       0.0);
     ( 399822.8, 3736631.9,       2.8,       2.8,       0.0);         ( 399842.8,
3736631.9,       2.8,       2.8,       0.0);
     ( 399862.8, 3736631.9,       2.8,       2.8,       0.0);         ( 399882.8,
3736631.9,       2.9,       2.9,       0.0);
     ( 399902.8, 3736631.9,       2.8,       2.8,       0.0);         ( 399922.8,
3736631.9,       2.5,       2.5,       0.0);
     ( 399942.8, 3736631.9,       2.4,       2.4,       0.0);         ( 399962.8,
3736631.9,       2.4,       2.4,       0.0);
     ( 399982.8, 3736631.9,       2.8,       2.8,       0.0);         ( 400002.8,
3736631.9,       3.1,       3.1,       0.0);
     ( 400022.8, 3736631.9,       3.1,       3.1,       0.0);         ( 400042.8,
3736631.9,       3.2,       3.2,       0.0);
     ( 400062.8, 3736631.9,       3.1,       3.1,       0.0);         ( 400082.8,
3736631.9,       3.0,       3.0,       0.0);
     ( 400102.8, 3736631.9,       3.4,       3.4,       0.0);         ( 400122.8,
3736631.9,       3.6,       3.6,       0.0);
     ( 400142.8, 3736631.9,       3.7,       3.7,       0.0);         ( 400162.8,
3736631.9,       3.6,       3.6,       0.0);
     ( 400182.8, 3736631.9,       3.7,       3.7,       0.0);         ( 398682.8,
3736651.9,       3.6,       3.6,       0.0);
     ( 398702.8, 3736651.9,       3.7,       3.7,       0.0);         ( 398722.8,
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3736651.9,       3.6,       3.6,       0.0);
     ( 398742.8, 3736651.9,       3.4,       3.4,       0.0);         ( 398762.8,
3736651.9,       3.3,       3.3,       0.0);
     ( 398782.8, 3736651.9,       3.3,       3.3,       0.0);         ( 398802.8,
3736651.9,       3.1,       3.1,       0.0);
     ( 398822.8, 3736651.9,       2.4,       2.4,       0.0);         ( 398842.8,
3736651.9,      -0.6,       3.1,       0.0);
     ( 398862.8, 3736651.9,       2.8,       2.8,       0.0);         ( 398882.8,
3736651.9,       3.0,       3.0,       0.0);
     ( 398902.8, 3736651.9,       2.9,       2.9,       0.0);         ( 398922.8,
3736651.9,       2.8,       2.8,       0.0);
     ( 398942.8, 3736651.9,       2.4,       2.4,       0.0);         ( 398962.8,
3736651.9,       2.5,       2.5,       0.0);
     ( 398982.8, 3736651.9,       2.5,       2.5,       0.0);         ( 399002.8,
3736651.9,       2.6,       2.6,       0.0);
     ( 399022.8, 3736651.9,       2.5,       2.5,       0.0);         ( 399042.8,
3736651.9,       2.5,       2.5,       0.0);
     ( 399062.8, 3736651.9,       2.6,       2.6,       0.0);         ( 399082.8,
3736651.9,       2.6,       2.6,       0.0);
     ( 399102.8, 3736651.9,       2.5,       2.5,       0.0);         ( 399122.8,
3736651.9,       2.5,       2.5,       0.0);
     ( 399142.8, 3736651.9,       2.6,       2.6,       0.0);         ( 399162.8,
3736651.9,       2.6,       2.6,       0.0);
     ( 399182.8, 3736651.9,       2.7,       2.7,       0.0);         ( 399202.8,
3736651.9,       2.6,       2.6,       0.0);
     ( 399222.8, 3736651.9,       2.4,       2.4,       0.0);         ( 399242.8,
3736651.9,       2.7,       2.7,       0.0);
     ( 399262.8, 3736651.9,       2.8,       2.8,       0.0);         ( 399282.8,
3736651.9,       2.9,       2.9,       0.0);
     ( 399302.8, 3736651.9,       2.8,       2.8,       0.0);         ( 399322.8,
3736651.9,       2.7,       2.7,       0.0);
     ( 399342.8, 3736651.9,       2.8,       2.8,       0.0);         ( 399362.8,
3736651.9,       2.6,       2.6,       0.0);
     ( 399382.8, 3736651.9,       2.3,       2.3,       0.0);         ( 399402.8,
3736651.9,       2.3,       2.3,       0.0);
     ( 399422.8, 3736651.9,       2.3,       2.3,       0.0);         ( 399442.8,
3736651.9,       2.3,       2.3,       0.0);
     ( 399462.8, 3736651.9,       2.3,       2.3,       0.0);         ( 399482.8,
3736651.9,       2.6,       2.6,       0.0);
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                                   ***        10:15:03

                                    PAGE  30
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                                  *** DISCRETE CARTESIAN RECEPTORS ***
                                                (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                             (METERS)
```

```
     ( 399502.8, 3736651.9,       2.7,       2.7,       0.0);         ( 399522.8,
3736651.9,       2.7,       2.7,       0.0);
     ( 399542.8, 3736651.9,       2.9,       2.9,       0.0);         ( 399562.8,
3736651.9,       2.6,       2.6,       0.0);
     ( 399582.8, 3736651.9,       2.4,       2.4,       0.0);         ( 399602.8,
3736651.9,       2.5,       2.5,       0.0);
     ( 399622.8, 3736651.9,       2.4,       2.4,       0.0);         ( 399642.8,
3736651.9,       2.2,       2.2,       0.0);
     ( 399662.8, 3736651.9,       2.1,       2.1,       0.0);         ( 399682.8,
3736651.9,       2.2,       2.2,       0.0);
     ( 399702.8, 3736651.9,       2.0,       2.0,       0.0);         ( 399722.8,
3736651.9,       1.4,       1.4,       0.0);
     ( 399742.8, 3736651.9,       1.7,       1.7,       0.0);         ( 399762.8,
3736651.9,       2.7,       2.7,       0.0);
     ( 399782.8, 3736651.9,       2.8,       2.8,       0.0);         ( 399802.8,
3736651.9,       2.8,       2.8,       0.0);
     ( 399822.8, 3736651.9,       2.8,       2.8,       0.0);         ( 399842.8,
3736651.9,       2.7,       2.7,       0.0);
     ( 399862.8, 3736651.9,       2.6,       2.6,       0.0);         ( 399882.8,
3736651.9,       2.6,       2.6,       0.0);
     ( 399902.8, 3736651.9,       2.4,       2.4,       0.0);         ( 399922.8,
3736651.9,       2.3,       2.3,       0.0);
     ( 399942.8, 3736651.9,       2.4,       2.4,       0.0);         ( 399962.8,
3736651.9,       2.6,       2.6,       0.0);
     ( 399982.8, 3736651.9,       2.8,       2.8,       0.0);         ( 400002.8,
3736651.9,       3.0,       3.0,       0.0);
     ( 400022.8, 3736651.9,       3.1,       3.1,       0.0);         ( 400042.8,
3736651.9,       3.2,       3.2,       0.0);
     ( 400062.8, 3736651.9,       3.1,       3.1,       0.0);         ( 400082.8,
3736651.9,       2.9,       2.9,       0.0);
     ( 400102.8, 3736651.9,       3.5,       3.5,       0.0);         ( 400122.8,
3736651.9,       3.6,       3.6,       0.0);
     ( 400142.8, 3736651.9,       3.3,       3.3,       0.0);         ( 400162.8,
3736651.9,       3.7,       3.7,       0.0);
     ( 400182.8, 3736651.9,       3.7,       3.7,       0.0);         ( 398682.8,
3736671.9,       3.5,       3.5,       0.0);
     ( 398702.8, 3736671.9,       3.4,       3.4,       0.0);         ( 398722.8,
3736671.9,       3.3,       3.3,       0.0);
     ( 398742.8, 3736671.9,       3.1,       3.1,       0.0);         ( 398762.8,
3736671.9,       3.0,       3.0,       0.0);
     ( 398782.8, 3736671.9,       3.1,       3.1,       0.0);         ( 398802.8,
3736671.9,       3.1,       3.1,       0.0);
     ( 398822.8, 3736671.9,       1.8,       2.6,       0.0);         ( 398842.8,
3736671.9,       0.6,       2.5,       0.0);
     ( 398862.8, 3736671.9,       2.4,       2.4,       0.0);         ( 398882.8,
3736671.9,       2.8,       2.8,       0.0);
     ( 398902.8, 3736671.9,       2.8,       2.8,       0.0);         ( 398922.8,
3736671.9,       2.7,       2.7,       0.0);
     ( 398942.8, 3736671.9,       2.3,       2.3,       0.0);         ( 398962.8,
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3736671.9,   2.6,   2.6,   0.0);
     (398982.8, 3736671.9,   2.5,   2.5,   0.0);   (399002.8,
3736671.9,   2.7,   2.7,   0.0);
     (399022.8, 3736671.9,   2.5,   2.5,   0.0);   (399042.8,
3736671.9,   2.4,   2.4,   0.0);
     (399062.8, 3736671.9,   2.6,   2.6,   0.0);   (399082.8,
3736671.9,   2.6,   2.6,   0.0);
     (399102.8, 3736671.9,   2.5,   2.5,   0.0);   (399122.8,
3736671.9,   2.6,   2.6,   0.0);
     (399142.8, 3736671.9,   2.6,   2.6,   0.0);   (399162.8,
3736671.9,   2.6,   2.6,   0.0);
     (399182.8, 3736671.9,   2.6,   2.6,   0.0);   (399202.8,
3736671.9,   2.5,   2.5,   0.0);
     (399222.8, 3736671.9,   2.8,   2.8,   0.0);   (399242.8,
3736671.9,   2.7,   2.7,   0.0);
     (399262.8, 3736671.9,   2.8,   2.8,   0.0);   (399282.8,
3736671.9,   2.8,   2.8,   0.0);
     (399302.8, 3736671.9,   2.8,   2.8,   0.0);   (399322.8,
3736671.9,   2.9,   2.9,   0.0);
     (399342.8, 3736671.9,   2.8,   2.8,   0.0);   (399362.8,
3736671.9,   2.7,   2.7,   0.0);
     (399382.8, 3736671.9,   2.5,   2.5,   0.0);   (399402.8,
3736671.9,   2.4,   2.4,   0.0);
     (399422.8, 3736671.9,   2.3,   2.3,   0.0);   (399442.8,
3736671.9,   2.2,   2.2,   0.0);
     (399462.8, 3736671.9,   2.5,   2.5,   0.0);   (399482.8,
3736671.9,   2.7,   2.7,   0.0);
     (399502.8, 3736671.9,   2.8,   2.8,   0.0);   (399522.8,
3736671.9,   2.7,   2.7,   0.0);
     (399542.8, 3736671.9,   2.8,   2.8,   0.0);   (399562.8,
3736671.9,   2.6,   2.6,   0.0);
     (399582.8, 3736671.9,   2.6,   2.6,   0.0);   (399602.8,
3736671.9,   3.0,   3.0,   0.0);
     (399622.8, 3736671.9,   2.6,   2.6,   0.0);   (399642.8,
3736671.9,   2.2,   2.2,   0.0);
     (399662.8, 3736671.9,   2.3,   2.3,   0.0);   (399682.8,
3736671.9,   2.2,   2.2,   0.0);
     (399702.8, 3736671.9,   2.1,   2.1,   0.0);   (399722.8,
3736671.9,   2.3,   2.3,   0.0);
     (399742.8, 3736671.9,   1.7,   1.7,   0.0);   (399762.8,
3736671.9,   1.2,   1.2,   0.0);

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                                *** DISCRETE CARTESIAN RECEPTORS ***

(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(399782.8, 3736671.9, 2.2, 2.2, 0.0); (399802.8, 3736671.9, 2.6, 2.6, 0.0);
(399822.8, 3736671.9, 2.8, 2.8, 0.0); (399842.8, 3736671.9, 2.7, 2.7, 0.0);
(399862.8, 3736671.9, 2.6, 2.6, 0.0); (399882.8, 3736671.9, 2.3, 2.3, 0.0);
(399902.8, 3736671.9, 2.2, 2.2, 0.0); (399922.8, 3736671.9, 2.4, 2.4, 0.0);
(399942.8, 3736671.9, 2.6, 2.6, 0.0); (399962.8, 3736671.9, 2.8, 2.8, 0.0);
(399982.8, 3736671.9, 2.9, 2.9, 0.0); (400002.8, 3736671.9, 3.0, 3.0, 0.0);
(400022.8, 3736671.9, 3.1, 3.1, 0.0); (400042.8, 3736671.9, 3.1, 3.1, 0.0);
(400062.8, 3736671.9, 3.1, 3.1, 0.0); (400082.8, 3736671.9, 3.0, 3.0, 0.0);
(400102.8, 3736671.9, 2.8, 2.8, 0.0); (400122.8, 3736671.9, 2.9, 2.9, 0.0);
(400142.8, 3736671.9, 3.0, 3.0, 0.0); (400162.8, 3736671.9, 3.2, 3.2, 0.0);
(400182.8, 3736671.9, 3.4, 3.4, 0.0); (398682.8, 3736691.9, 3.7, 3.7, 0.0);
(398702.8, 3736691.9, 3.5, 3.5, 0.0); (398722.8, 3736691.9, 3.3, 3.3, 0.0);
(398742.8, 3736691.9, 3.1, 3.1, 0.0); (398762.8, 3736691.9, 3.1, 3.1, 0.0);
(398782.8, 3736691.9, 3.1, 3.1, 0.0); (398802.8, 3736691.9, 3.0, 3.0, 0.0);
(398822.8, 3736691.9, 0.6, 3.1, 0.0); (398842.8, 3736691.9, 2.0, 2.4, 0.0);
(398862.8, 3736691.9, 2.5, 2.5, 0.0); (398882.8, 3736691.9, 2.6, 2.6, 0.0);
(398902.8, 3736691.9, 2.8, 2.8, 0.0); (398922.8, 3736691.9, 2.6, 2.6, 0.0);
(398942.8, 3736691.9, 2.3, 2.3, 0.0); (398962.8, 3736691.9, 2.6, 2.6, 0.0);
(398982.8, 3736691.9, 2.6, 2.6, 0.0); (399002.8, 3736691.9, 2.7, 2.7, 0.0);
(399022.8, 3736691.9, 2.6, 2.6, 0.0); (399042.8, 3736691.9, 2.6, 2.6, 0.0);
(399062.8, 3736691.9, 2.6, 2.6, 0.0); (399082.8, 3736691.9, 2.5, 2.5, 0.0);
(399102.8, 3736691.9, 2.5, 2.5, 0.0); (399122.8, 3736691.9, 2.6, 2.6, 0.0);
(399142.8, 3736691.9, 2.5, 2.5, 0.0); (399162.8, 3736691.9, 2.6, 2.6, 0.0);
(399182.8, 3736691.9, 2.6, 2.6, 0.0); (399202.8,

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3736691.9,       2.6,       2.6,       0.0);
     ( 399222.8, 3736691.9,       2.9,       2.9,       0.0);         ( 399242.8,
3736691.9,       2.8,       2.8,       0.0);
     ( 399262.8, 3736691.9,       2.8,       2.8,       0.0);         ( 399282.8,
3736691.9,       2.8,       2.8,       0.0);
     ( 399302.8, 3736691.9,       2.8,       2.8,       0.0);         ( 399322.8,
3736691.9,       2.8,       2.8,       0.0);
     ( 399342.8, 3736691.9,       2.8,       2.8,       0.0);         ( 399362.8,
3736691.9,       2.7,       2.7,       0.0);
     ( 399382.8, 3736691.9,       2.6,       2.6,       0.0);         ( 399402.8,
3736691.9,       2.7,       2.7,       0.0);
     ( 399422.8, 3736691.9,       2.5,       2.5,       0.0);         ( 399442.8,
3736691.9,       2.4,       2.4,       0.0);
     ( 399462.8, 3736691.9,       2.7,       2.7,       0.0);         ( 399482.8,
3736691.9,       2.7,       2.7,       0.0);
     ( 399502.8, 3736691.9,       2.7,       2.7,       0.0);         ( 399522.8,
3736691.9,       2.7,       2.7,       0.0);
     ( 399542.8, 3736691.9,       2.9,       2.9,       0.0);         ( 399562.8,
3736691.9,       3.0,       3.0,       0.0);
     ( 399582.8, 3736691.9,       3.0,       3.0,       0.0);         ( 399602.8,
3736691.9,       3.0,       3.0,       0.0);
     ( 399622.8, 3736691.9,       2.5,       2.5,       0.0);         ( 399642.8,
3736691.9,       2.3,       2.3,       0.0);
     ( 399662.8, 3736691.9,       2.3,       2.3,       0.0);         ( 399682.8,
3736691.9,       2.1,       2.1,       0.0);
     ( 399702.8, 3736691.9,       2.2,       2.2,       0.0);         ( 399722.8,
3736691.9,       2.4,       2.4,       0.0);
     ( 399742.8, 3736691.9,       2.5,       2.5,       0.0);         ( 399762.8,
3736691.9,       2.3,       2.3,       0.0);
     ( 399782.8, 3736691.9,       1.3,       1.3,       0.0);         ( 399802.8,
3736691.9,       1.8,       1.8,       0.0);
     ( 399822.8, 3736691.9,       2.7,       2.7,       0.0);         ( 399842.8,
3736691.9,       2.6,       2.6,       0.0);
     ( 399862.8, 3736691.9,       2.4,       2.4,       0.0);         ( 399882.8,
3736691.9,       2.1,       2.1,       0.0);
     ( 399902.8, 3736691.9,       2.4,       2.4,       0.0);         ( 399922.8,
3736691.9,       2.7,       2.7,       0.0);
     ( 399942.8, 3736691.9,       3.0,       3.0,       0.0);         ( 399962.8,
3736691.9,       3.0,       3.0,       0.0);
     ( 399982.8, 3736691.9,       3.1,       3.1,       0.0);         ( 400002.8,
3736691.9,       3.1,       3.1,       0.0);
     ( 400022.8, 3736691.9,       3.1,       3.1,       0.0);         ( 400042.8,
3736691.9,       3.1,       3.1,       0.0);
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                                   ***        10:15:03

                                   PAGE  32
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(400062.8, 3736691.9, 3.0, 3.0, 0.0); (400082.8, 3736691.9, 2.8, 2.8, 0.0);
(400102.8, 3736691.9, 2.7, 2.7, 0.0); (400122.8, 3736691.9, 3.2, 3.2, 0.0);
(400142.8, 3736691.9, 3.3, 3.3, 0.0); (400162.8, 3736691.9, 2.9, 2.9, 0.0);
(400182.8, 3736691.9, 3.4, 3.4, 0.0); (398682.8, 3736711.9, 3.7, 3.7, 0.0);
(398702.8, 3736711.9, 3.5, 3.5, 0.0); (398722.8, 3736711.9, 3.4, 3.4, 0.0);
(398742.8, 3736711.9, 3.2, 3.2, 0.0); (398762.8, 3736711.9, 3.1, 3.1, 0.0);
(398782.8, 3736711.9, 3.1, 3.1, 0.0); (398802.8, 3736711.9, 2.8, 2.8, 0.0);
(398822.8, 3736711.9, -0.1, 3.1, 0.0); (398842.8, 3736711.9, 2.6, 2.6, 0.0);
(398862.8, 3736711.9, 2.6, 2.6, 0.0); (398882.8, 3736711.9, 2.7, 2.7, 0.0);
(398902.8, 3736711.9, 2.6, 2.6, 0.0); (398922.8, 3736711.9, 2.4, 2.4, 0.0);
(398942.8, 3736711.9, 2.4, 2.4, 0.0); (398962.8, 3736711.9, 2.4, 2.4, 0.0);
(398982.8, 3736711.9, 2.5, 2.5, 0.0); (399002.8, 3736711.9, 2.5, 2.5, 0.0);
(399022.8, 3736711.9, 2.6, 2.6, 0.0); (399042.8, 3736711.9, 2.6, 2.6, 0.0);
(399062.8, 3736711.9, 2.6, 2.6, 0.0); (399082.8, 3736711.9, 2.4, 2.4, 0.0);
(399102.8, 3736711.9, 2.5, 2.5, 0.0); (399122.8, 3736711.9, 2.4, 2.4, 0.0);
(399142.8, 3736711.9, 2.5, 2.5, 0.0); (399162.8, 3736711.9, 2.5, 2.5, 0.0);
(399182.8, 3736711.9, 2.7, 2.7, 0.0); (399202.8, 3736711.9, 2.7, 2.7, 0.0);
(399222.8, 3736711.9, 2.8, 2.8, 0.0); (399242.8, 3736711.9, 2.8, 2.8, 0.0);
(399262.8, 3736711.9, 2.9, 2.9, 0.0); (399282.8, 3736711.9, 2.8, 2.8, 0.0);
(399302.8, 3736711.9, 2.9, 2.9, 0.0); (399322.8, 3736711.9, 2.8, 2.8, 0.0);
(399342.8, 3736711.9, 2.7, 2.7, 0.0); (399362.8, 3736711.9, 2.8, 2.8, 0.0);
(399382.8, 3736711.9, 2.8, 2.8, 0.0); (399402.8, 3736711.9, 2.7, 2.7, 0.0);
(399422.8, 3736711.9, 2.6, 2.6, 0.0); (399442.8,

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3736711.9,       2.7,       2.7,       0.0);
     ( 399462.8, 3736711.9,       2.7,       2.7,       0.0);         ( 399482.8,
3736711.9,       2.7,       2.7,       0.0);
     ( 399502.8, 3736711.9,       2.8,       2.8,       0.0);         ( 399522.8,
3736711.9,       2.8,       2.8,       0.0);
     ( 399542.8, 3736711.9,       3.1,       3.1,       0.0);         ( 399562.8,
3736711.9,       3.3,       3.3,       0.0);
     ( 399582.8, 3736711.9,       3.3,       3.3,       0.0);         ( 399602.8,
3736711.9,       2.8,       2.8,       0.0);
     ( 399622.8, 3736711.9,       2.4,       2.4,       0.0);         ( 399642.8,
3736711.9,       2.4,       2.4,       0.0);
     ( 399662.8, 3736711.9,       2.1,       2.1,       0.0);         ( 399682.8,
3736711.9,       2.1,       2.1,       0.0);
     ( 399702.8, 3736711.9,       1.3,       2.4,       0.0);         ( 399722.8,
3736711.9,       2.5,       2.5,       0.0);
     ( 399742.8, 3736711.9,       3.1,       3.1,       0.0);         ( 399762.8,
3736711.9,       2.8,       2.8,       0.0);
     ( 399782.8, 3736711.9,       2.3,       2.3,       0.0);         ( 399802.8,
3736711.9,       1.7,       1.7,       0.0);
     ( 399822.8, 3736711.9,       1.3,       1.3,       0.0);         ( 399842.8,
3736711.9,       2.2,       2.2,       0.0);
     ( 399862.8, 3736711.9,       2.3,       2.3,       0.0);         ( 399882.8,
3736711.9,       2.2,       2.2,       0.0);
     ( 399902.8, 3736711.9,       2.6,       2.6,       0.0);         ( 399922.8,
3736711.9,       2.8,       2.8,       0.0);
     ( 399942.8, 3736711.9,       3.0,       3.0,       0.0);         ( 399962.8,
3736711.9,       3.0,       3.0,       0.0);
     ( 399982.8, 3736711.9,       3.0,       3.0,       0.0);         ( 400002.8,
3736711.9,       3.0,       3.0,       0.0);
     ( 400022.8, 3736711.9,       3.1,       3.1,       0.0);         ( 400042.8,
3736711.9,       3.0,       3.0,       0.0);
     ( 400062.8, 3736711.9,       2.7,       2.7,       0.0);         ( 400082.8,
3736711.9,       2.6,       2.6,       0.0);
     ( 400102.8, 3736711.9,       3.1,       3.1,       0.0);         ( 400122.8,
3736711.9,       3.7,       3.7,       0.0);
     ( 400142.8, 3736711.9,       3.6,       3.6,       0.0);         ( 400162.8,
3736711.9,       3.0,       3.0,       0.0);
     ( 400182.8, 3736711.9,       3.3,       3.3,       0.0);         ( 398682.8,
3736731.9,       3.7,       3.7,       0.0);
     ( 398702.8, 3736731.9,       3.6,       3.6,       0.0);         ( 398722.8,
3736731.9,       3.4,       3.4,       0.0);
     ( 398742.8, 3736731.9,       3.2,       3.2,       0.0);         ( 398762.8,
3736731.9,       3.1,       3.1,       0.0);
     ( 398782.8, 3736731.9,       3.1,       3.1,       0.0);         ( 398802.8,
3736731.9,       2.4,       2.4,       0.0);
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                                   ***        10:15:03
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(398822.8, 3736731.9, 0.2, 2.8, 0.0); (398842.8, 3736731.9, 2.7, 2.7, 0.0);
(398862.8, 3736731.9, 2.6, 2.6, 0.0); (398882.8, 3736731.9, 2.7, 2.7, 0.0);
(398902.8, 3736731.9, 2.5, 2.5, 0.0); (398922.8, 3736731.9, 2.3, 2.3, 0.0);
(398942.8, 3736731.9, 2.7, 2.7, 0.0); (398962.8, 3736731.9, 2.5, 2.5, 0.0);
(398982.8, 3736731.9, 2.5, 2.5, 0.0); (399002.8, 3736731.9, 2.5, 2.5, 0.0);
(399022.8, 3736731.9, 2.4, 2.4, 0.0); (399042.8, 3736731.9, 2.6, 2.6, 0.0);
(399062.8, 3736731.9, 2.6, 2.6, 0.0); (399082.8, 3736731.9, 2.6, 2.6, 0.0);
(399102.8, 3736731.9, 2.5, 2.5, 0.0); (399122.8, 3736731.9, 2.5, 2.5, 0.0);
(399142.8, 3736731.9, 2.6, 2.6, 0.0); (399162.8, 3736731.9, 2.4, 2.4, 0.0);
(399182.8, 3736731.9, 2.6, 2.6, 0.0); (399202.8, 3736731.9, 2.8, 2.8, 0.0);
(399222.8, 3736731.9, 2.8, 2.8, 0.0); (399242.8, 3736731.9, 2.8, 2.8, 0.0);
(399262.8, 3736731.9, 2.6, 2.6, 0.0); (399282.8, 3736731.9, 2.6, 2.6, 0.0);
(399302.8, 3736731.9, 2.7, 2.7, 0.0); (399322.8, 3736731.9, 2.9, 2.9, 0.0);
(399342.8, 3736731.9, 2.9, 2.9, 0.0); (399362.8, 3736731.9, 2.8, 2.8, 0.0);
(399382.8, 3736731.9, 2.8, 2.8, 0.0); (399402.8, 3736731.9, 2.8, 2.8, 0.0);
(399422.8, 3736731.9, 2.8, 2.8, 0.0); (399442.8, 3736731.9, 2.8, 2.8, 0.0);
(399462.8, 3736731.9, 2.7, 2.7, 0.0); (399482.8, 3736731.9, 2.7, 2.7, 0.0);
(399502.8, 3736731.9, 2.6, 2.6, 0.0); (399522.8, 3736731.9, 2.9, 2.9, 0.0);
(399542.8, 3736731.9, 3.2, 3.2, 0.0); (399562.8, 3736731.9, 3.3, 3.3, 0.0);
(399582.8, 3736731.9, 3.1, 3.1, 0.0); (399602.8, 3736731.9, 2.5, 2.5, 0.0);
(399622.8, 3736731.9, 2.4, 2.4, 0.0); (399642.8, 3736731.9, 2.2, 2.2, 0.0);
(399662.8, 3736731.9, 2.2, 2.2, 0.0); (399682.8,

```
3736731.9,       2.4,       2.4,       0.0);
     ( 399702.8, 3736731.9,       1.9,       2.3,       0.0);         ( 399722.8,
3736731.9,       2.8,       2.8,       0.0);
     ( 399742.8, 3736731.9,       3.1,       3.1,       0.0);         ( 399762.8,
3736731.9,       2.6,       2.6,       0.0);
     ( 399782.8, 3736731.9,       2.4,       2.4,       0.0);         ( 399802.8,
3736731.9,       2.4,       2.4,       0.0);
     ( 399822.8, 3736731.9,       2.1,       2.1,       0.0);         ( 399842.8,
3736731.9,       1.4,       1.4,       0.0);
     ( 399862.8, 3736731.9,       1.9,       1.9,       0.0);         ( 399882.8,
3736731.9,       2.5,       2.5,       0.0);
     ( 399902.8, 3736731.9,       3.0,       3.0,       0.0);         ( 399922.8,
3736731.9,       3.0,       3.0,       0.0);
     ( 399942.8, 3736731.9,       3.0,       3.0,       0.0);         ( 399962.8,
3736731.9,       3.0,       3.0,       0.0);
     ( 399982.8, 3736731.9,       3.0,       3.0,       0.0);         ( 400002.8,
3736731.9,       2.9,       2.9,       0.0);
     ( 400022.8, 3736731.9,       3.0,       3.0,       0.0);         ( 400042.8,
3736731.9,       2.9,       2.9,       0.0);
     ( 400062.8, 3736731.9,       2.5,       2.5,       0.0);         ( 400082.8,
3736731.9,       2.7,       2.7,       0.0);
     ( 400102.8, 3736731.9,       3.5,       3.5,       0.0);         ( 400122.8,
3736731.9,       3.6,       3.6,       0.0);
     ( 400142.8, 3736731.9,       3.3,       3.3,       0.0);         ( 400162.8,
3736731.9,       3.1,       3.1,       0.0);
     ( 400182.8, 3736731.9,       3.3,       3.3,       0.0);         ( 398682.8,
3736751.9,       3.6,       3.6,       0.0);
     ( 398702.8, 3736751.9,       3.4,       3.4,       0.0);         ( 398722.8,
3736751.9,       3.3,       3.3,       0.0);
     ( 398742.8, 3736751.9,       3.1,       3.1,       0.0);         ( 398762.8,
3736751.9,       3.1,       3.1,       0.0);
     ( 398782.8, 3736751.9,       3.1,       3.1,       0.0);         ( 398802.8,
3736751.9,       1.4,       2.8,       0.0);
     ( 398822.8, 3736751.9,       1.3,       2.6,       0.0);         ( 398842.8,
3736751.9,       2.7,       2.7,       0.0);
     ( 398862.8, 3736751.9,       2.7,       2.7,       0.0);         ( 398882.8,
3736751.9,       2.6,       2.6,       0.0);
     ( 398902.8, 3736751.9,       2.5,       2.5,       0.0);         ( 398922.8,
3736751.9,       2.4,       2.4,       0.0);
     ( 398942.8, 3736751.9,       2.7,       2.7,       0.0);         ( 398962.8,
3736751.9,       2.6,       2.6,       0.0);
     ( 398982.8, 3736751.9,       2.5,       2.5,       0.0);         ( 399002.8,
3736751.9,       2.5,       2.5,       0.0);
     ( 399022.8, 3736751.9,       2.4,       2.4,       0.0);         ( 399042.8,
3736751.9,       2.4,       2.4,       0.0);
     ( 399062.8, 3736751.9,       2.5,       2.5,       0.0);         ( 399082.8,
3736751.9,       2.5,       2.5,       0.0);
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(399102.8, 3736751.9, 2.6, 2.6, 0.0); (399122.8, 3736751.9, 2.5, 2.5, 0.0);
(399142.8, 3736751.9, 2.4, 2.4, 0.0); (399162.8, 3736751.9, 2.5, 2.5, 0.0);
(399182.8, 3736751.9, 2.5, 2.5, 0.0); (399202.8, 3736751.9, 2.8, 2.8, 0.0);
(399222.8, 3736751.9, 2.8, 2.8, 0.0); (399242.8, 3736751.9, 2.5, 2.5, 0.0);
(399262.8, 3736751.9, 2.5, 2.5, 0.0); (399282.8, 3736751.9, 2.6, 2.6, 0.0);
(399302.8, 3736751.9, 2.7, 2.7, 0.0); (399322.8, 3736751.9, 2.9, 2.9, 0.0);
(399342.8, 3736751.9, 3.0, 3.0, 0.0); (399362.8, 3736751.9, 3.0, 3.0, 0.0);
(399382.8, 3736751.9, 2.9, 2.9, 0.0); (399402.8, 3736751.9, 2.8, 2.8, 0.0);
(399422.8, 3736751.9, 2.8, 2.8, 0.0); (399442.8, 3736751.9, 3.0, 3.0, 0.0);
(399462.8, 3736751.9, 2.8, 2.8, 0.0); (399482.8, 3736751.9, 2.7, 2.7, 0.0);
(399502.8, 3736751.9, 2.7, 2.7, 0.0); (399522.8, 3736751.9, 2.8, 2.8, 0.0);
(399542.8, 3736751.9, 3.1, 3.1, 0.0); (399562.8, 3736751.9, 3.2, 3.2, 0.0);
(399582.8, 3736751.9, 3.2, 3.2, 0.0); (399602.8, 3736751.9, 2.7, 2.7, 0.0);
(399622.8, 3736751.9, 2.3, 2.3, 0.0); (399642.8, 3736751.9, 2.2, 2.2, 0.0);
(399662.8, 3736751.9, 2.4, 2.4, 0.0); (399682.8, 3736751.9, 2.7, 2.7, 0.0);
(399702.8, 3736751.9, 2.7, 2.7, 0.0); (399722.8, 3736751.9, 2.8, 2.8, 0.0);
(399742.8, 3736751.9, 2.7, 2.7, 0.0); (399762.8, 3736751.9, 2.6, 2.6, 0.0);
(399782.8, 3736751.9, 2.8, 2.8, 0.0); (399802.8, 3736751.9, 3.1, 3.1, 0.0);
(399822.8, 3736751.9, 2.5, 2.5, 0.0); (399842.8, 3736751.9, 2.5, 2.5, 0.0);
(399862.8, 3736751.9, 1.7, 1.7, 0.0); (399882.8, 3736751.9, 1.5, 1.5, 0.0);
(399902.8, 3736751.9, 2.6, 2.6, 0.0); (399922.8,

```
3736751.9,       2.8,       2.8,       0.0);
     ( 399942.8, 3736751.9,       3.0,       3.0,       0.0);         ( 399962.8,
3736751.9,       3.0,       3.0,       0.0);
     ( 399982.8, 3736751.9,       2.8,       2.8,       0.0);         ( 400002.8,
3736751.9,       2.8,       2.8,       0.0);
     ( 400022.8, 3736751.9,       2.6,       2.6,       0.0);         ( 400042.8,
3736751.9,       2.5,       2.5,       0.0);
     ( 400062.8, 3736751.9,       2.5,       2.5,       0.0);         ( 400082.8,
3736751.9,       3.0,       3.0,       0.0);
     ( 400102.8, 3736751.9,       3.6,       3.6,       0.0);         ( 400122.8,
3736751.9,       3.9,       3.9,       0.0);
     ( 400142.8, 3736751.9,       3.4,       3.4,       0.0);         ( 400162.8,
3736751.9,       3.1,       3.1,       0.0);
     ( 400182.8, 3736751.9,       3.5,       3.5,       0.0);         ( 398682.8,
3736771.9,       3.6,       3.6,       0.0);
     ( 398702.8, 3736771.9,       3.5,       3.5,       0.0);         ( 398722.8,
3736771.9,       3.3,       3.3,       0.0);
     ( 398742.8, 3736771.9,       3.1,       3.1,       0.0);         ( 398762.8,
3736771.9,       3.1,       3.1,       0.0);
     ( 398782.8, 3736771.9,       2.9,       2.9,       0.0);         ( 398802.8,
3736771.9,      -0.1,       3.2,       0.0);
     ( 398822.8, 3736771.9,       2.3,       2.3,       0.0);         ( 398842.8,
3736771.9,       2.7,       2.7,       0.0);
     ( 398862.8, 3736771.9,       2.7,       2.7,       0.0);         ( 398882.8,
3736771.9,       2.6,       2.6,       0.0);
     ( 398902.8, 3736771.9,       2.4,       2.4,       0.0);         ( 398922.8,
3736771.9,       2.5,       2.5,       0.0);
     ( 398942.8, 3736771.9,       2.8,       2.8,       0.0);         ( 398962.8,
3736771.9,       2.9,       2.9,       0.0);
     ( 398982.8, 3736771.9,       2.8,       2.8,       0.0);         ( 399002.8,
3736771.9,       2.5,       2.5,       0.0);
     ( 399022.8, 3736771.9,       2.4,       2.4,       0.0);         ( 399042.8,
3736771.9,       2.4,       2.4,       0.0);
     ( 399062.8, 3736771.9,       2.4,       2.4,       0.0);         ( 399082.8,
3736771.9,       2.4,       2.4,       0.0);
     ( 399102.8, 3736771.9,       2.6,       2.6,       0.0);         ( 399122.8,
3736771.9,       2.4,       2.4,       0.0);
     ( 399142.8, 3736771.9,       2.5,       2.5,       0.0);         ( 399162.8,
3736771.9,       2.6,       2.6,       0.0);
     ( 399182.8, 3736771.9,       2.8,       2.8,       0.0);         ( 399202.8,
3736771.9,       2.7,       2.7,       0.0);
     ( 399222.8, 3736771.9,       2.6,       2.6,       0.0);         ( 399242.8,
3736771.9,       2.5,       2.5,       0.0);
     ( 399262.8, 3736771.9,       2.5,       2.5,       0.0);         ( 399282.8,
3736771.9,       2.6,       2.6,       0.0);
     ( 399302.8, 3736771.9,       2.9,       2.9,       0.0);         ( 399322.8,
3736771.9,       3.0,       3.0,       0.0);
     ( 399342.8, 3736771.9,       3.0,       3.0,       0.0);         ( 399362.8,
3736771.9,       3.0,       3.0,       0.0);
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(399382.8, 3736771.9, 3.0, 3.0, 0.0); (399402.8, 3736771.9, 2.9, 2.9, 0.0);
(399422.8, 3736771.9, 2.9, 2.9, 0.0); (399442.8, 3736771.9, 2.9, 2.9, 0.0);
(399462.8, 3736771.9, 2.9, 2.9, 0.0); (399482.8, 3736771.9, 2.7, 2.7, 0.0);
(399502.8, 3736771.9, 2.6, 2.6, 0.0); (399522.8, 3736771.9, 1.8, 2.2, 0.0);
(399542.8, 3736771.9, 1.2, 3.1, 0.0); (399562.8, 3736771.9, 2.6, 2.6, 0.0);
(399582.8, 3736771.9, 3.1, 3.1, 0.0); (399602.8, 3736771.9, 2.8, 2.8, 0.0);
(399622.8, 3736771.9, 2.3, 2.3, 0.0); (399642.8, 3736771.9, 2.3, 2.3, 0.0);
(399662.8, 3736771.9, 2.6, 2.6, 0.0); (399682.8, 3736771.9, 2.6, 2.6, 0.0);
(399702.8, 3736771.9, 2.8, 2.8, 0.0); (399722.8, 3736771.9, 2.8, 2.8, 0.0);
(399742.8, 3736771.9, 2.8, 2.8, 0.0); (399762.8, 3736771.9, 2.7, 2.7, 0.0);
(399782.8, 3736771.9, 3.0, 3.0, 0.0); (399802.8, 3736771.9, 3.8, 3.8, 0.0);
(399822.8, 3736771.9, 3.1, 3.1, 0.0); (399842.8, 3736771.9, 2.5, 2.5, 0.0);
(399862.8, 3736771.9, 2.5, 2.5, 0.0); (399882.8, 3736771.9, 2.2, 2.2, 0.0);
(399902.8, 3736771.9, 1.4, 1.4, 0.0); (399922.8, 3736771.9, 2.1, 2.1, 0.0);
(399942.8, 3736771.9, 2.8, 2.8, 0.0); (399962.8, 3736771.9, 3.0, 3.0, 0.0);
(399982.8, 3736771.9, 2.8, 2.8, 0.0); (400002.8, 3736771.9, 2.6, 2.6, 0.0);
(400022.8, 3736771.9, 2.4, 2.4, 0.0); (400042.8, 3736771.9, 2.4, 2.4, 0.0);
(400062.8, 3736771.9, 2.8, 2.8, 0.0); (400082.8, 3736771.9, 2.9, 2.9, 0.0);
(400102.8, 3736771.9, 3.4, 3.4, 0.0); (400122.8, 3736771.9, 3.5, 3.5, 0.0);
(400142.8, 3736771.9, 3.3, 3.3, 0.0); (400162.8,

```
3736771.9,       3.6,       3.6,       0.0);
     ( 400182.8, 3736771.9,       3.6,       3.6,       0.0);         ( 398682.8,
3736791.9,       3.7,       3.7,       0.0);
     ( 398702.8, 3736791.9,       3.4,       3.4,       0.0);         ( 398722.8,
3736791.9,       3.3,       3.3,       0.0);
     ( 398742.8, 3736791.9,       3.2,       3.2,       0.0);         ( 398762.8,
3736791.9,       3.2,       3.2,       0.0);
     ( 398782.8, 3736791.9,       2.6,       2.6,       0.0);         ( 398802.8,
3736791.9,      -0.5,       3.1,       0.0);
     ( 398822.8, 3736791.9,       2.8,       2.8,       0.0);         ( 398842.8,
3736791.9,       2.7,       2.7,       0.0);
     ( 398862.8, 3736791.9,       2.7,       2.7,       0.0);         ( 398882.8,
3736791.9,       2.5,       2.5,       0.0);
     ( 398902.8, 3736791.9,       2.4,       2.4,       0.0);         ( 398922.8,
3736791.9,       2.7,       2.7,       0.0);
     ( 398942.8, 3736791.9,       2.8,       2.8,       0.0);         ( 398962.8,
3736791.9,       3.0,       3.0,       0.0);
     ( 398982.8, 3736791.9,       2.8,       2.8,       0.0);         ( 399002.8,
3736791.9,       2.8,       2.8,       0.0);
     ( 399022.8, 3736791.9,       2.6,       2.6,       0.0);         ( 399042.8,
3736791.9,       2.4,       2.4,       0.0);
     ( 399062.8, 3736791.9,       2.4,       2.4,       0.0);         ( 399082.8,
3736791.9,       2.5,       2.5,       0.0);
     ( 399102.8, 3736791.9,       2.7,       2.7,       0.0);         ( 399122.8,
3736791.9,       2.4,       2.4,       0.0);
     ( 399142.8, 3736791.9,       2.6,       2.6,       0.0);         ( 399162.8,
3736791.9,       2.7,       2.7,       0.0);
     ( 399182.8, 3736791.9,       2.6,       2.6,       0.0);         ( 399202.8,
3736791.9,       2.7,       2.7,       0.0);
     ( 399222.8, 3736791.9,       2.4,       2.4,       0.0);         ( 399242.8,
3736791.9,       2.4,       2.4,       0.0);
     ( 399262.8, 3736791.9,       2.5,       2.5,       0.0);         ( 399282.8,
3736791.9,       2.7,       2.7,       0.0);
     ( 399302.8, 3736791.9,       2.9,       2.9,       0.0);         ( 399322.8,
3736791.9,       2.9,       2.9,       0.0);
     ( 399342.8, 3736791.9,       3.0,       3.0,       0.0);         ( 399362.8,
3736791.9,       3.1,       3.1,       0.0);
     ( 399382.8, 3736791.9,       2.9,       2.9,       0.0);         ( 399402.8,
3736791.9,       3.0,       3.0,       0.0);
     ( 399422.8, 3736791.9,       3.0,       3.0,       0.0);         ( 399442.8,
3736791.9,       3.0,       3.0,       0.0);
     ( 399462.8, 3736791.9,       2.9,       2.9,       0.0);         ( 399482.8,
3736791.9,       2.7,       2.7,       0.0);
     ( 399502.8, 3736791.9,       2.5,       2.5,       0.0);         ( 399522.8,
3736791.9,       0.2,       2.6,       0.0);
     ( 399542.8, 3736791.9,      -0.5,       3.1,       0.0);         ( 399562.8,
3736791.9,       1.1,       3.0,       0.0);
     ( 399582.8, 3736791.9,       2.9,       2.9,       0.0);         ( 399602.8,
3736791.9,       2.4,       2.4,       0.0);
     ( 399622.8, 3736791.9,       2.3,       2.3,       0.0);         ( 399642.8,
```

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(399662.8, 3736791.9, 2.6, 2.6, 0.0); (399682.8, 3736791.9, 2.6, 2.6, 0.0);
(399702.8, 3736791.9, 2.6, 2.6, 0.0); (399722.8, 3736791.9, 2.8, 2.8, 0.0);
(399742.8, 3736791.9, 3.0, 3.0, 0.0); (399762.8, 3736791.9, 2.9, 2.9, 0.0);
(399782.8, 3736791.9, 2.9, 2.9, 0.0); (399802.8, 3736791.9, 3.5, 3.5, 0.0);
(399822.8, 3736791.9, 3.3, 3.3, 0.0); (399842.8, 3736791.9, 2.8, 2.8, 0.0);
(399862.8, 3736791.9, 2.9, 2.9, 0.0); (399882.8, 3736791.9, 2.9, 2.9, 0.0);
(399902.8, 3736791.9, 2.4, 2.4, 0.0); (399922.8, 3736791.9, 1.8, 1.8, 0.0);
(399942.8, 3736791.9, 1.7, 1.7, 0.0); (399962.8, 3736791.9, 2.6, 2.6, 0.0);
(399982.8, 3736791.9, 2.7, 2.7, 0.0); (400002.8, 3736791.9, 2.4, 2.4, 0.0);
(400022.8, 3736791.9, 2.4, 2.4, 0.0); (400042.8, 3736791.9, 2.6, 2.6, 0.0);
(400062.8, 3736791.9, 2.8, 2.8, 0.0); (400082.8, 3736791.9, 2.9, 2.9, 0.0);
(400102.8, 3736791.9, 3.3, 3.3, 0.0); (400122.8, 3736791.9, 3.3, 3.3, 0.0);
(400142.8, 3736791.9, 3.8, 3.8, 0.0); (400162.8, 3736791.9, 3.7, 3.7, 0.0);
(400182.8, 3736791.9, 3.7, 3.7, 0.0); (398682.8, 3736811.9, 3.7, 3.7, 0.0);
(398702.8, 3736811.9, 3.4, 3.4, 0.0); (398722.8, 3736811.9, 3.2, 3.2, 0.0);
(398742.8, 3736811.9, 3.2, 3.2, 0.0); (398762.8, 3736811.9, 3.1, 3.1, 0.0);
(398782.8, 3736811.9, 1.9, 2.8, 0.0); (398802.8, 3736811.9, 0.9, 2.9, 0.0);
(398822.8, 3736811.9, 2.8, 2.8, 0.0); (398842.8, 3736811.9, 2.8, 2.8, 0.0);
(398862.8, 3736811.9, 2.8, 2.8, 0.0); (398882.8,

```
3736811.9,       2.7,       2.7,       0.0);
     ( 398902.8, 3736811.9,       2.5,       2.5,       0.0);         ( 398922.8,
3736811.9,       2.9,       2.9,       0.0);
     ( 398942.8, 3736811.9,       2.9,       2.9,       0.0);         ( 398962.8,
3736811.9,       2.9,       2.9,       0.0);
     ( 398982.8, 3736811.9,       2.8,       2.8,       0.0);         ( 399002.8,
3736811.9,       2.8,       2.8,       0.0);
     ( 399022.8, 3736811.9,       2.7,       2.7,       0.0);         ( 399042.8,
3736811.9,       2.6,       2.6,       0.0);
     ( 399062.8, 3736811.9,       2.5,       2.5,       0.0);         ( 399082.8,
3736811.9,       2.6,       2.6,       0.0);
     ( 399102.8, 3736811.9,       2.4,       2.4,       0.0);         ( 399122.8,
3736811.9,       2.6,       2.6,       0.0);
     ( 399142.8, 3736811.9,       2.6,       2.6,       0.0);         ( 399162.8,
3736811.9,       2.7,       2.7,       0.0);
     ( 399182.8, 3736811.9,       2.7,       2.7,       0.0);         ( 399202.8,
3736811.9,       2.4,       2.4,       0.0);
     ( 399222.8, 3736811.9,       2.4,       2.4,       0.0);         ( 399242.8,
3736811.9,       2.4,       2.4,       0.0);
     ( 399262.8, 3736811.9,       2.5,       2.5,       0.0);         ( 399282.8,
3736811.9,       2.9,       2.9,       0.0);
     ( 399302.8, 3736811.9,       2.8,       2.8,       0.0);         ( 399322.8,
3736811.9,       2.9,       2.9,       0.0);
     ( 399342.8, 3736811.9,       3.0,       3.0,       0.0);         ( 399362.8,
3736811.9,       3.0,       3.0,       0.0);
     ( 399382.8, 3736811.9,       3.1,       3.1,       0.0);         ( 399402.8,
3736811.9,       3.0,       3.0,       0.0);
     ( 399422.8, 3736811.9,       2.9,       2.9,       0.0);         ( 399442.8,
3736811.9,       3.0,       3.0,       0.0);
     ( 399462.8, 3736811.9,       3.0,       3.0,       0.0);         ( 399482.8,
3736811.9,       2.7,       2.7,       0.0);
     ( 399502.8, 3736811.9,       2.6,       2.6,       0.0);         ( 399522.8,
3736811.9,       1.7,       1.7,       0.0);
     ( 399542.8, 3736811.9,       0.5,       2.5,       0.0);         ( 399562.8,
3736811.9,       2.0,       2.0,       0.0);
     ( 399582.8, 3736811.9,       2.5,       2.5,       0.0);         ( 399602.8,
3736811.9,       2.3,       2.3,       0.0);
     ( 399622.8, 3736811.9,       2.3,       2.3,       0.0);         ( 399642.8,
3736811.9,       2.5,       2.5,       0.0);
     ( 399662.8, 3736811.9,       2.6,       2.6,       0.0);         ( 399682.8,
3736811.9,       2.6,       2.6,       0.0);
     ( 399702.8, 3736811.9,       2.5,       2.5,       0.0);         ( 399722.8,
3736811.9,       2.5,       2.5,       0.0);
     ( 399742.8, 3736811.9,       2.8,       2.8,       0.0);         ( 399762.8,
3736811.9,       3.1,       3.1,       0.0);
     ( 399782.8, 3736811.9,       3.0,       3.0,       0.0);         ( 399802.8,
3736811.9,       3.0,       3.0,       0.0);
     ( 399822.8, 3736811.9,       2.8,       2.8,       0.0);         ( 399842.8,
3736811.9,       2.4,       2.4,       0.0);
     ( 399862.8, 3736811.9,       3.1,       3.1,       0.0);         ( 399882.8,
```

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(399942.8, 3736811.9, 2.2, 2.2, 0.0); (399962.8,
3736811.9, 1.5, 1.5, 0.0);
(399982.8, 3736811.9, 2.1, 2.1, 0.0); (400002.8,
3736811.9, 2.4, 2.4, 0.0);
(400022.8, 3736811.9, 2.4, 2.4, 0.0); (400042.8,
3736811.9, 2.8, 2.8, 0.0);
(400062.8, 3736811.9, 2.9, 2.9, 0.0); (400082.8,
3736811.9, 2.9, 2.9, 0.0);
(400102.8, 3736811.9, 3.3, 3.3, 0.0); (400122.8,
3736811.9, 3.3, 3.3, 0.0);
(400142.8, 3736811.9, 3.6, 3.6, 0.0); (400162.8,
3736811.9, 3.6, 3.6, 0.0);
(400182.8, 3736811.9, 3.9, 3.9, 0.0); (398682.8,
3736831.9, 3.8, 3.8, 0.0);
(398702.8, 3736831.9, 3.4, 3.4, 0.0); (398722.8,
3736831.9, 3.1, 3.1, 0.0);
(398742.8, 3736831.9, 3.2, 3.2, 0.0); (398762.8,
3736831.9, 3.0, 3.0, 0.0);
(398782.8, 3736831.9, 0.9, 2.9, 0.0); (398802.8,
3736831.9, 2.4, 2.4, 0.0);
(398822.8, 3736831.9, 2.9, 2.9, 0.0); (398842.8,
3736831.9, 2.9, 2.9, 0.0);
(398862.8, 3736831.9, 2.9, 2.9, 0.0); (398882.8,
3736831.9, 2.8, 2.8, 0.0);
(398902.8, 3736831.9, 2.6, 2.6, 0.0); (398922.8,
3736831.9, 3.0, 3.0, 0.0);
(398942.8, 3736831.9, 2.9, 2.9, 0.0); (398962.8,
3736831.9, 2.9, 2.9, 0.0);
(398982.8, 3736831.9, 2.9, 2.9, 0.0); (399002.8,
3736831.9, 2.8, 2.8, 0.0);
(399022.8, 3736831.9, 2.8, 2.8, 0.0); (399042.8,
3736831.9, 2.8, 2.8, 0.0);
(399062.8, 3736831.9, 2.6, 2.6, 0.0); (399082.8,
3736831.9, 2.5, 2.5, 0.0);
(399102.8, 3736831.9, 2.6, 2.6, 0.0); (399122.8,

```
3736831.9,       2.5,       2.5,       0.0);
     ( 399142.8, 3736831.9,       2.7,       2.7,       0.0);         ( 399162.8,
3736831.9,       2.6,       2.6,       0.0);
     ( 399182.8, 3736831.9,       2.6,       2.6,       0.0);         ( 399202.8,
3736831.9,       2.4,       2.4,       0.0);
     ( 399222.8, 3736831.9,       2.4,       2.4,       0.0);         ( 399242.8,
3736831.9,       2.4,       2.4,       0.0);
     ( 399262.8, 3736831.9,       2.5,       2.5,       0.0);         ( 399282.8,
3736831.9,       2.8,       2.8,       0.0);
     ( 399302.8, 3736831.9,       2.9,       2.9,       0.0);         ( 399322.8,
3736831.9,       2.9,       2.9,       0.0);
     ( 399342.8, 3736831.9,       3.0,       3.0,       0.0);         ( 399362.8,
3736831.9,       3.0,       3.0,       0.0);
     ( 399382.8, 3736831.9,       3.1,       3.1,       0.0);         ( 399402.8,
3736831.9,       2.9,       2.9,       0.0);
     ( 399422.8, 3736831.9,       2.8,       2.8,       0.0);         ( 399442.8,
3736831.9,       2.8,       2.8,       0.0);
     ( 399462.8, 3736831.9,       3.0,       3.0,       0.0);         ( 399482.8,
3736831.9,       3.0,       3.0,       0.0);
     ( 399502.8, 3736831.9,       2.6,       2.6,       0.0);         ( 399522.8,
3736831.9,       2.5,       2.5,       0.0);
     ( 399542.8, 3736831.9,       2.5,       2.5,       0.0);         ( 399562.8,
3736831.9,       2.5,       2.5,       0.0);
     ( 399582.8, 3736831.9,       2.3,       2.3,       0.0);         ( 399602.8,
3736831.9,       2.3,       2.3,       0.0);
     ( 399622.8, 3736831.9,       2.5,       2.5,       0.0);         ( 399642.8,
3736831.9,       2.4,       2.4,       0.0);
     ( 399662.8, 3736831.9,       2.4,       2.4,       0.0);         ( 399682.8,
3736831.9,       2.5,       2.5,       0.0);
     ( 399702.8, 3736831.9,       2.5,       2.5,       0.0);         ( 399722.8,
3736831.9,       2.5,       2.5,       0.0);
     ( 399742.8, 3736831.9,       2.6,       2.6,       0.0);         ( 399762.8,
3736831.9,       2.7,       2.7,       0.0);
     ( 399782.8, 3736831.9,       3.0,       3.0,       0.0);         ( 399802.8,
3736831.9,       3.1,       3.1,       0.0);
     ( 399822.8, 3736831.9,       3.0,       3.0,       0.0);         ( 399842.8,
3736831.9,       2.5,       2.5,       0.0);
     ( 399862.8, 3736831.9,       2.5,       2.5,       0.0);         ( 399882.8,
3736831.9,       2.4,       2.4,       0.0);
     ( 399902.8, 3736831.9,       3.1,       3.1,       0.0);         ( 399922.8,
3736831.9,       2.9,       2.9,       0.0);
     ( 399942.8, 3736831.9,       2.7,       2.7,       0.0);         ( 399962.8,
3736831.9,       2.4,       2.4,       0.0);
     ( 399982.8, 3736831.9,       1.8,       1.8,       0.0);         ( 400002.8,
3736831.9,       1.9,       1.9,       0.0);
     ( 400022.8, 3736831.9,       2.6,       2.6,       0.0);         ( 400042.8,
3736831.9,       2.9,       2.9,       0.0);
     ( 400062.8, 3736831.9,       2.9,       2.9,       0.0);         ( 400082.8,
3736831.9,       3.0,       3.0,       0.0);
     ( 400102.8, 3736831.9,       3.4,       3.4,       0.0);         ( 400122.8,
```

3736831.9,   3.3,   3.3,   0.0);
     (400142.8, 3736831.9,   3.4,   3.4,   0.0);   (400162.8,
3736831.9,   3.9,   3.9,   0.0);
     (400182.8, 3736831.9,   3.9,   3.9,   0.0);   (398682.8,
3736851.9,   3.9,   3.9,   0.0);

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                              (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                          (METERS)

     (398702.8, 3736851.9,   3.5,   3.5,   0.0);   (398722.8,
3736851.9,   3.2,   3.2,   0.0);
     (398742.8, 3736851.9,   3.2,   3.2,   0.0);   (398762.8,
3736851.9,   2.9,   2.9,   0.0);
     (398782.8, 3736851.9,   0.1,   3.1,   0.0);   (398802.8,
3736851.9,   2.9,   2.9,   0.0);
     (398822.8, 3736851.9,   3.0,   3.0,   0.0);   (398842.8,
3736851.9,   3.0,   3.0,   0.0);
     (398862.8, 3736851.9,   3.0,   3.0,   0.0);   (398882.8,
3736851.9,   2.8,   2.8,   0.0);
     (398902.8, 3736851.9,   2.8,   2.8,   0.0);   (398922.8,
3736851.9,   3.0,   3.0,   0.0);
     (398942.8, 3736851.9,   3.0,   3.0,   0.0);   (398962.8,
3736851.9,   2.9,   2.9,   0.0);
     (398982.8, 3736851.9,   2.8,   2.8,   0.0);   (399002.8,
3736851.9,   2.8,   2.8,   0.0);
     (399022.8, 3736851.9,   2.7,   2.7,   0.0);   (399042.8,
3736851.9,   2.7,   2.7,   0.0);
     (399062.8, 3736851.9,   2.7,   2.7,   0.0);   (399082.8,
3736851.9,   2.5,   2.5,   0.0);
     (399102.8, 3736851.9,   2.7,   2.7,   0.0);   (399122.8,
3736851.9,   2.7,   2.7,   0.0);
     (399142.8, 3736851.9,   2.6,   2.6,   0.0);   (399162.8,
3736851.9,   2.7,   2.7,   0.0);
     (399182.8, 3736851.9,   2.6,   2.6,   0.0);   (399202.8,
3736851.9,   2.5,   2.5,   0.0);
     (399222.8, 3736851.9,   2.4,   2.4,   0.0);   (399242.8,
3736851.9,   2.5,   2.5,   0.0);
     (399262.8, 3736851.9,   2.6,   2.6,   0.0);   (399282.8,
3736851.9,   2.6,   2.6,   0.0);
     (399302.8, 3736851.9,   2.7,   2.7,   0.0);   (399322.8,
3736851.9,   2.8,   2.8,   0.0);
     (399342.8, 3736851.9,   3.1,   3.1,   0.0);   (399362.8,

```
3736851.9,       3.0,       3.0,       0.0);
     ( 399382.8, 3736851.9,       3.0,       3.0,       0.0);         ( 399402.8,
3736851.9,       2.7,       2.7,       0.0);
     ( 399422.8, 3736851.9,       2.8,       2.8,       0.0);         ( 399442.8,
3736851.9,       2.8,       2.8,       0.0);
     ( 399462.8, 3736851.9,       3.0,       3.0,       0.0);         ( 399482.8,
3736851.9,       3.0,       3.0,       0.0);
     ( 399502.8, 3736851.9,       2.9,       2.9,       0.0);         ( 399522.8,
3736851.9,       2.7,       2.7,       0.0);
     ( 399542.8, 3736851.9,       2.4,       2.4,       0.0);         ( 399562.8,
3736851.9,       2.4,       2.4,       0.0);
     ( 399582.8, 3736851.9,       2.4,       2.4,       0.0);         ( 399602.8,
3736851.9,       2.5,       2.5,       0.0);
     ( 399622.8, 3736851.9,       2.6,       2.6,       0.0);         ( 399642.8,
3736851.9,       2.7,       2.7,       0.0);
     ( 399662.8, 3736851.9,       2.5,       2.5,       0.0);         ( 399682.8,
3736851.9,       2.4,       2.4,       0.0);
     ( 399702.8, 3736851.9,       2.5,       2.5,       0.0);         ( 399722.8,
3736851.9,       2.5,       2.5,       0.0);
     ( 399742.8, 3736851.9,       2.5,       2.5,       0.0);         ( 399762.8,
3736851.9,       2.9,       2.9,       0.0);
     ( 399782.8, 3736851.9,       3.2,       3.2,       0.0);         ( 399802.8,
3736851.9,       3.1,       3.1,       0.0);
     ( 399822.8, 3736851.9,       3.5,       3.5,       0.0);         ( 399842.8,
3736851.9,       3.8,       3.8,       0.0);
     ( 399862.8, 3736851.9,       3.8,       3.8,       0.0);         ( 399882.8,
3736851.9,       2.9,       2.9,       0.0);
     ( 399902.8, 3736851.9,       2.8,       2.8,       0.0);         ( 399922.8,
3736851.9,       2.6,       2.6,       0.0);
     ( 399942.8, 3736851.9,       2.8,       2.8,       0.0);         ( 399962.8,
3736851.9,       3.2,       3.2,       0.0);
     ( 399982.8, 3736851.9,       2.7,       2.7,       0.0);         ( 400002.8,
3736851.9,       2.1,       2.1,       0.0);
     ( 400022.8, 3736851.9,       1.6,       1.6,       0.0);         ( 400042.8,
3736851.9,       2.4,       2.4,       0.0);
     ( 400062.8, 3736851.9,       2.8,       2.8,       0.0);         ( 400082.8,
3736851.9,       3.1,       3.1,       0.0);
     ( 400102.8, 3736851.9,       3.3,       3.3,       0.0);         ( 400122.8,
3736851.9,       3.4,       3.4,       0.0);
     ( 400142.8, 3736851.9,       3.3,       3.3,       0.0);         ( 400162.8,
3736851.9,       3.8,       3.8,       0.0);
     ( 400182.8, 3736851.9,       3.8,       3.8,       0.0);         ( 398682.8,
3736871.9,       3.7,       3.7,       0.0);
     ( 398702.8, 3736871.9,       3.5,       3.5,       0.0);         ( 398722.8,
3736871.9,       3.3,       3.3,       0.0);
     ( 398742.8, 3736871.9,       3.2,       3.2,       0.0);         ( 398762.8,
3736871.9,       2.3,       2.9,       0.0);
     ( 398782.8, 3736871.9,       0.1,       3.2,       0.0);         ( 398802.8,
3736871.9,       3.0,       3.0,       0.0);
     ( 398822.8, 3736871.9,       3.1,       3.1,       0.0);         ( 398842.8,
```

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

     (398982.8, 3736871.9, 2.6, 2.6, 0.0); (399002.8,
3736871.9, 2.6, 2.6, 0.0);
     (399022.8, 3736871.9, 2.7, 2.7, 0.0); (399042.8,
3736871.9, 2.7, 2.7, 0.0);
     (399062.8, 3736871.9, 2.6, 2.6, 0.0); (399082.8,
3736871.9, 2.6, 2.6, 0.0);
     (399102.8, 3736871.9, 2.6, 2.6, 0.0); (399122.8,
3736871.9, 2.8, 2.8, 0.0);
     (399142.8, 3736871.9, 2.7, 2.7, 0.0); (399162.8,
3736871.9, 2.6, 2.6, 0.0);
     (399182.8, 3736871.9, 2.6, 2.6, 0.0); (399202.8,
3736871.9, 2.6, 2.6, 0.0);
     (399222.8, 3736871.9, 2.6, 2.6, 0.0); (399242.8,
3736871.9, 2.6, 2.6, 0.0);
     (399262.8, 3736871.9, 2.9, 2.9, 0.0); (399282.8,
3736871.9, 2.9, 2.9, 0.0);
     (399302.8, 3736871.9, 2.7, 2.7, 0.0); (399322.8,
3736871.9, 2.6, 2.6, 0.0);
     (399342.8, 3736871.9, 3.0, 3.0, 0.0); (399362.8,
3736871.9, 2.9, 2.9, 0.0);
     (399382.8, 3736871.9, 2.8, 2.8, 0.0); (399402.8,
3736871.9, 2.7, 2.7, 0.0);
     (399422.8, 3736871.9, 2.7, 2.7, 0.0); (399442.8,
3736871.9, 2.8, 2.8, 0.0);
     (399462.8, 3736871.9, 3.1, 3.1, 0.0); (399482.8,
3736871.9, 3.1, 3.1, 0.0);
     (399502.8, 3736871.9, 3.0, 3.0, 0.0); (399522.8,
3736871.9, 2.9, 2.9, 0.0);
     (399542.8, 3736871.9, 2.8, 2.8, 0.0); (399562.8,
3736871.9, 2.4, 2.4, 0.0);
     (399582.8, 3736871.9, 2.5, 2.5, 0.0); (399602.8,

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3736871.9,       2.6,       2.6,       0.0);
     ( 399622.8, 3736871.9,       2.6,       2.6,       0.0);         ( 399642.8,
3736871.9,       2.7,       2.7,       0.0);
     ( 399662.8, 3736871.9,       2.5,       2.5,       0.0);         ( 399682.8,
3736871.9,       2.5,       2.5,       0.0);
     ( 399702.8, 3736871.9,       2.5,       2.5,       0.0);         ( 399722.8,
3736871.9,       2.5,       2.5,       0.0);
     ( 399742.8, 3736871.9,       2.6,       2.6,       0.0);         ( 399762.8,
3736871.9,       3.0,       3.0,       0.0);
     ( 399782.8, 3736871.9,       3.0,       3.0,       0.0);         ( 399802.8,
3736871.9,       3.2,       3.2,       0.0);
     ( 399822.8, 3736871.9,       3.2,       3.2,       0.0);         ( 399842.8,
3736871.9,       3.2,       3.2,       0.0);
     ( 399862.8, 3736871.9,       3.0,       3.0,       0.0);         ( 399882.8,
3736871.9,       2.7,       2.7,       0.0);
     ( 399902.8, 3736871.9,       2.6,       2.6,       0.0);         ( 399922.8,
3736871.9,       2.5,       2.5,       0.0);
     ( 399942.8, 3736871.9,       3.0,       3.0,       0.0);         ( 399962.8,
3736871.9,       3.6,       3.6,       0.0);
     ( 399982.8, 3736871.9,       2.9,       2.9,       0.0);         ( 400002.8,
3736871.9,       2.6,       2.6,       0.0);
     ( 400022.8, 3736871.9,       2.5,       2.5,       0.0);         ( 400042.8,
3736871.9,       1.9,       1.9,       0.0);
     ( 400062.8, 3736871.9,       2.1,       2.1,       0.0);         ( 400082.8,
3736871.9,       3.0,       3.0,       0.0);
     ( 400102.8, 3736871.9,       3.2,       3.2,       0.0);         ( 400122.8,
3736871.9,       3.2,       3.2,       0.0);
     ( 400142.8, 3736871.9,       3.3,       3.3,       0.0);         ( 400162.8,
3736871.9,       3.3,       3.3,       0.0);
     ( 400182.8, 3736871.9,       3.4,       3.4,       0.0);         ( 398682.8,
3736891.9,       3.6,       3.6,       0.0);
     ( 398702.8, 3736891.9,       3.6,       3.6,       0.0);         ( 398722.8,
3736891.9,       3.4,       3.4,       0.0);
     ( 398742.8, 3736891.9,       3.1,       3.1,       0.0);         ( 398762.8,
3736891.9,       1.3,       2.8,       0.0);
     ( 398782.8, 3736891.9,       1.2,       3.1,       0.0);         ( 398802.8,
3736891.9,       3.2,       3.2,       0.0);
     ( 398822.8, 3736891.9,       3.1,       3.1,       0.0);         ( 398842.8,
3736891.9,       3.0,       3.0,       0.0);
     ( 398862.8, 3736891.9,       3.0,       3.0,       0.0);         ( 398882.8,
3736891.9,       2.7,       2.7,       0.0);
     ( 398902.8, 3736891.9,       2.9,       2.9,       0.0);         ( 398922.8,
3736891.9,       2.9,       2.9,       0.0);
     ( 398942.8, 3736891.9,       2.9,       2.9,       0.0);         ( 398962.8,
3736891.9,       2.8,       2.8,       0.0);
     ( 398982.8, 3736891.9,       2.4,       2.4,       0.0);         ( 399002.8,
3736891.9,       2.5,       2.5,       0.0);
     ( 399022.8, 3736891.9,       2.6,       2.6,       0.0);         ( 399042.8,
3736891.9,       2.5,       2.5,       0.0);
     ( 399062.8, 3736891.9,       2.6,       2.6,       0.0);         ( 399082.8,
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3736891.9, 2.7, 2.7, 0.0);
     (399102.8, 3736891.9, 2.8, 2.8, 0.0); (399122.8,
3736891.9, 2.8, 2.8, 0.0);
     (399142.8, 3736891.9, 2.8, 2.8, 0.0); (399162.8,
3736891.9, 2.7, 2.7, 0.0);
     (399182.8, 3736891.9, 2.6, 2.6, 0.0); (399202.8,
3736891.9, 2.6, 2.6, 0.0);
     (399222.8, 3736891.9, 2.7, 2.7, 0.0); (399242.8,
3736891.9, 2.8, 2.8, 0.0);

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                       (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                (METERS)

     (399262.8, 3736891.9, 2.9, 2.9, 0.0); (399282.8,
3736891.9, 2.8, 2.8, 0.0);
     (399302.8, 3736891.9, 2.9, 2.9, 0.0); (399322.8,
3736891.9, 2.8, 2.8, 0.0);
     (399342.8, 3736891.9, 2.7, 2.7, 0.0); (399362.8,
3736891.9, 2.7, 2.7, 0.0);
     (399382.8, 3736891.9, 2.6, 2.6, 0.0); (399402.8,
3736891.9, 2.7, 2.7, 0.0);
     (399422.8, 3736891.9, 2.7, 2.7, 0.0); (399442.8,
3736891.9, 3.0, 3.0, 0.0);
     (399462.8, 3736891.9, 3.1, 3.1, 0.0); (399482.8,
3736891.9, 3.1, 3.1, 0.0);
     (399502.8, 3736891.9, 3.0, 3.0, 0.0); (399522.8,
3736891.9, 2.9, 2.9, 0.0);
     (399542.8, 3736891.9, 2.6, 2.6, 0.0); (399562.8,
3736891.9, 2.4, 2.4, 0.0);
     (399582.8, 3736891.9, 2.7, 2.7, 0.0); (399602.8,
3736891.9, 2.7, 2.7, 0.0);
     (399622.8, 3736891.9, 2.7, 2.7, 0.0); (399642.8,
3736891.9, 2.7, 2.7, 0.0);
     (399662.8, 3736891.9, 2.5, 2.5, 0.0); (399682.8,
3736891.9, 2.6, 2.6, 0.0);
     (399702.8, 3736891.9, 2.5, 2.5, 0.0); (399722.8,
3736891.9, 2.5, 2.5, 0.0);
     (399742.8, 3736891.9, 2.9, 2.9, 0.0); (399762.8,
3736891.9, 2.9, 2.9, 0.0);
     (399782.8, 3736891.9, 3.1, 3.1, 0.0); (399802.8,
3736891.9, 3.1, 3.1, 0.0);
     (399822.8, 3736891.9, 3.2, 3.2, 0.0); (399842.8,

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3736891.9,       3.3,       3.3,       0.0);
     ( 399862.8, 3736891.9,       3.1,       3.1,       0.0);         ( 399882.8,
3736891.9,       2.8,       2.8,       0.0);
     ( 399902.8, 3736891.9,       2.8,       2.8,       0.0);         ( 399922.8,
3736891.9,       3.2,       3.2,       0.0);
     ( 399942.8, 3736891.9,       3.3,       3.3,       0.0);         ( 399962.8,
3736891.9,       3.2,       3.2,       0.0);
     ( 399982.8, 3736891.9,       3.0,       3.0,       0.0);         ( 400002.8,
3736891.9,       2.8,       2.8,       0.0);
     ( 400022.8, 3736891.9,       2.9,       2.9,       0.0);         ( 400042.8,
3736891.9,       2.7,       2.7,       0.0);
     ( 400062.8, 3736891.9,       2.2,       2.2,       0.0);         ( 400082.8,
3736891.9,       1.9,       2.9,       0.0);
     ( 400102.8, 3736891.9,       3.0,       3.0,       0.0);         ( 400122.8,
3736891.9,       3.4,       3.4,       0.0);
     ( 400142.8, 3736891.9,       3.4,       3.4,       0.0);         ( 400162.8,
3736891.9,       3.4,       3.4,       0.0);
     ( 400182.8, 3736891.9,       3.9,       3.9,       0.0);         ( 398682.8,
3736911.9,       3.8,       3.8,       0.0);
     ( 398702.8, 3736911.9,       3.5,       3.5,       0.0);         ( 398722.8,
3736911.9,       3.4,       3.4,       0.0);
     ( 398742.8, 3736911.9,       3.0,       3.0,       0.0);         ( 398762.8,
3736911.9,      -0.1,       3.2,       0.0);
     ( 398782.8, 3736911.9,       2.4,       3.0,       0.0);         ( 398802.8,
3736911.9,       3.2,       3.2,       0.0);
     ( 398822.8, 3736911.9,       3.1,       3.1,       0.0);         ( 398842.8,
3736911.9,       3.1,       3.1,       0.0);
     ( 398862.8, 3736911.9,       2.8,       2.8,       0.0);         ( 398882.8,
3736911.9,       2.7,       2.7,       0.0);
     ( 398902.8, 3736911.9,       2.8,       2.8,       0.0);         ( 398922.8,
3736911.9,       2.9,       2.9,       0.0);
     ( 398942.8, 3736911.9,       2.9,       2.9,       0.0);         ( 398962.8,
3736911.9,       2.5,       2.5,       0.0);
     ( 398982.8, 3736911.9,       2.5,       2.5,       0.0);         ( 399002.8,
3736911.9,       2.6,       2.6,       0.0);
     ( 399022.8, 3736911.9,       2.7,       2.7,       0.0);         ( 399042.8,
3736911.9,       2.5,       2.5,       0.0);
     ( 399062.8, 3736911.9,       2.6,       2.6,       0.0);         ( 399082.8,
3736911.9,       2.7,       2.7,       0.0);
     ( 399102.8, 3736911.9,       2.8,       2.8,       0.0);         ( 399122.8,
3736911.9,       2.8,       2.8,       0.0);
     ( 399142.8, 3736911.9,       2.8,       2.8,       0.0);         ( 399162.8,
3736911.9,       2.8,       2.8,       0.0);
     ( 399182.8, 3736911.9,       2.8,       2.8,       0.0);         ( 399202.8,
3736911.9,       2.6,       2.6,       0.0);
     ( 399222.8, 3736911.9,       2.4,       2.4,       0.0);         ( 399242.8,
3736911.9,       2.7,       2.7,       0.0);
     ( 399262.8, 3736911.9,       2.8,       2.8,       0.0);         ( 399282.8,
3736911.9,       2.8,       2.8,       0.0);
     ( 399302.8, 3736911.9,       2.9,       2.9,       0.0);         ( 399322.8,
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3736911.9,   3.0,   3.0,   0.0);
     (399342.8, 3736911.9,   3.0,   3.0,   0.0);   (399362.8,
3736911.9,   2.8,   2.8,   0.0);
     (399382.8, 3736911.9,   2.7,   2.7,   0.0);   (399402.8,
3736911.9,   2.7,   2.7,   0.0);
     (399422.8, 3736911.9,   2.8,   2.8,   0.0);   (399442.8,
3736911.9,   3.0,   3.0,   0.0);
     (399462.8, 3736911.9,   3.1,   3.1,   0.0);   (399482.8,
3736911.9,   3.1,   3.1,   0.0);
     (399502.8, 3736911.9,   3.0,   3.0,   0.0);   (399522.8,
3736911.9,   2.8,   2.8,   0.0);

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                              (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                          (METERS)

     (399542.8, 3736911.9,   2.5,   2.5,   0.0);   (399562.8,
3736911.9,   2.7,   2.7,   0.0);
     (399582.8, 3736911.9,   2.9,   2.9,   0.0);   (399602.8,
3736911.9,   2.7,   2.7,   0.0);
     (399622.8, 3736911.9,   2.8,   2.8,   0.0);   (399642.8,
3736911.9,   2.8,   2.8,   0.0);
     (399662.8, 3736911.9,   2.9,   2.9,   0.0);   (399682.8,
3736911.9,   2.7,   2.7,   0.0);
     (399702.8, 3736911.9,   2.6,   2.6,   0.0);   (399722.8,
3736911.9,   2.7,   2.7,   0.0);
     (399742.8, 3736911.9,   3.2,   3.2,   0.0);   (399762.8,
3736911.9,   3.0,   3.0,   0.0);
     (399782.8, 3736911.9,   3.2,   3.2,   0.0);   (399802.8,
3736911.9,   3.4,   3.4,   0.0);
     (399822.8, 3736911.9,   3.4,   3.4,   0.0);   (399842.8,
3736911.9,   3.4,   3.4,   0.0);
     (399862.8, 3736911.9,   3.4,   3.4,   0.0);   (399882.8,
3736911.9,   3.2,   3.2,   0.0);
     (399902.8, 3736911.9,   3.0,   3.0,   0.0);   (399922.8,
3736911.9,   3.7,   3.7,   0.0);
     (399942.8, 3736911.9,   3.8,   3.8,   0.0);   (399962.8,
3736911.9,   3.3,   3.3,   0.0);
     (399982.8, 3736911.9,   3.2,   3.2,   0.0);   (400002.8,
3736911.9,   2.9,   2.9,   0.0);
     (400022.8, 3736911.9,   3.0,   3.0,   0.0);   (400042.8,
3736911.9,   2.6,   2.6,   0.0);
     (400062.8, 3736911.9,   2.6,   2.6,   0.0);   (400082.8,

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3736911.9,       2.5,       2.5,       0.0);
     ( 400102.8, 3736911.9,       2.2,       2.2,       0.0);         ( 400122.8,
3736911.9,       3.3,       3.3,       0.0);
     ( 400142.8, 3736911.9,       3.4,       3.4,       0.0);         ( 400162.8,
3736911.9,       3.5,       3.5,       0.0);
     ( 400182.8, 3736911.9,       3.8,       3.8,       0.0);         ( 398682.8,
3736931.9,       3.8,       3.8,       0.0);
     ( 398702.8, 3736931.9,       3.6,       3.6,       0.0);         ( 398722.8,
3736931.9,       3.4,       3.4,       0.0);
     ( 398742.8, 3736931.9,       2.8,       2.8,       0.0);         ( 398762.8,
3736931.9,      -0.6,       3.4,       0.0);
     ( 398782.8, 3736931.9,       2.9,       2.9,       0.0);         ( 398802.8,
3736931.9,       3.1,       3.1,       0.0);
     ( 398822.8, 3736931.9,       3.1,       3.1,       0.0);         ( 398842.8,
3736931.9,       3.1,       3.1,       0.0);
     ( 398862.8, 3736931.9,       2.8,       2.8,       0.0);         ( 398882.8,
3736931.9,       2.8,       2.8,       0.0);
     ( 398902.8, 3736931.9,       2.7,       2.7,       0.0);         ( 398922.8,
3736931.9,       2.7,       2.7,       0.0);
     ( 398942.8, 3736931.9,       2.7,       2.7,       0.0);         ( 398962.8,
3736931.9,       2.5,       2.5,       0.0);
     ( 398982.8, 3736931.9,       2.6,       2.6,       0.0);         ( 399002.8,
3736931.9,       2.7,       2.7,       0.0);
     ( 399022.8, 3736931.9,       2.6,       2.6,       0.0);         ( 399042.8,
3736931.9,       2.7,       2.7,       0.0);
     ( 399062.8, 3736931.9,       2.8,       2.8,       0.0);         ( 399082.8,
3736931.9,       2.9,       2.9,       0.0);
     ( 399102.8, 3736931.9,       2.7,       2.7,       0.0);         ( 399122.8,
3736931.9,       2.6,       2.6,       0.0);
     ( 399142.8, 3736931.9,       2.7,       2.7,       0.0);         ( 399162.8,
3736931.9,       2.8,       2.8,       0.0);
     ( 399182.8, 3736931.9,       2.7,       2.7,       0.0);         ( 399202.8,
3736931.9,       2.6,       2.6,       0.0);
     ( 399222.8, 3736931.9,       2.4,       2.4,       0.0);         ( 399242.8,
3736931.9,       2.7,       2.7,       0.0);
     ( 399262.8, 3736931.9,       2.7,       2.7,       0.0);         ( 399282.8,
3736931.9,       2.8,       2.8,       0.0);
     ( 399302.8, 3736931.9,       3.0,       3.0,       0.0);         ( 399322.8,
3736931.9,       3.0,       3.0,       0.0);
     ( 399342.8, 3736931.9,       3.0,       3.0,       0.0);         ( 399362.8,
3736931.9,       3.0,       3.0,       0.0);
     ( 399382.8, 3736931.9,       2.7,       2.7,       0.0);         ( 399402.8,
3736931.9,       2.7,       2.7,       0.0);
     ( 399422.8, 3736931.9,       2.9,       2.9,       0.0);         ( 399442.8,
3736931.9,       3.0,       3.0,       0.0);
     ( 399462.8, 3736931.9,       3.0,       3.0,       0.0);         ( 399482.8,
3736931.9,       3.0,       3.0,       0.0);
     ( 399502.8, 3736931.9,       3.0,       3.0,       0.0);         ( 399522.8,
3736931.9,       2.5,       2.5,       0.0);
     ( 399542.8, 3736931.9,       2.5,       2.5,       0.0);         ( 399562.8,
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3736931.9,       2.9,       2.9,       0.0);
     ( 399582.8, 3736931.9,       2.9,       2.9,       0.0);         ( 399602.8,
3736931.9,       2.9,       2.9,       0.0);
     ( 399622.8, 3736931.9,       2.9,       2.9,       0.0);         ( 399642.8,
3736931.9,       3.1,       3.1,       0.0);
     ( 399662.8, 3736931.9,       3.2,       3.2,       0.0);         ( 399682.8,
3736931.9,       3.1,       3.1,       0.0);
     ( 399702.8, 3736931.9,       2.9,       2.9,       0.0);         ( 399722.8,
3736931.9,       3.2,       3.2,       0.0);
     ( 399742.8, 3736931.9,       3.2,       3.2,       0.0);         ( 399762.8,
3736931.9,       3.2,       3.2,       0.0);
     ( 399782.8, 3736931.9,       3.3,       3.3,       0.0);         ( 399802.8,
3736931.9,       3.4,       3.4,       0.0);
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        10:15:03

                                   PAGE  42
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                        (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                    (METERS)

     ( 399822.8, 3736931.9,       3.5,       3.5,       0.0);         ( 399842.8,
3736931.9,       3.4,       3.4,       0.0);
     ( 399862.8, 3736931.9,       3.4,       3.4,       0.0);         ( 399882.8,
3736931.9,       3.6,       3.6,       0.0);
     ( 399902.8, 3736931.9,       3.4,       3.4,       0.0);         ( 399922.8,
3736931.9,       3.3,       3.3,       0.0);
     ( 399942.8, 3736931.9,       3.3,       3.3,       0.0);         ( 399962.8,
3736931.9,       3.3,       3.3,       0.0);
     ( 399982.8, 3736931.9,       3.2,       3.2,       0.0);         ( 400002.8,
3736931.9,       3.1,       3.1,       0.0);
     ( 400022.8, 3736931.9,       2.9,       2.9,       0.0);         ( 400042.8,
3736931.9,       2.7,       2.7,       0.0);
     ( 400062.8, 3736931.9,       2.7,       2.7,       0.0);         ( 400082.8,
3736931.9,       2.8,       2.8,       0.0);
     ( 400102.8, 3736931.9,       3.0,       3.0,       0.0);         ( 400122.8,
3736931.9,       2.9,       2.9,       0.0);
     ( 400142.8, 3736931.9,       2.7,       2.7,       0.0);         ( 400162.8,
3736931.9,       3.2,       3.2,       0.0);
     ( 400182.8, 3736931.9,       3.3,       3.3,       0.0);         ( 398682.8,
3736951.9,       3.5,       3.5,       0.0);
     ( 398702.8, 3736951.9,       3.6,       3.6,       0.0);         ( 398722.8,
3736951.9,       3.3,       3.3,       0.0);
     ( 398742.8, 3736951.9,       2.1,       3.0,       0.0);         ( 398762.8,
3736951.9,       0.4,       3.1,       0.0);
     ( 398782.8, 3736951.9,       3.1,       3.1,       0.0);         ( 398802.8,
```

```
3736951.9,       3.0,       3.0,       0.0);
     ( 398822.8, 3736951.9,       3.1,       3.1,       0.0);         ( 398842.8,
3736951.9,       3.0,       3.0,       0.0);
     ( 398862.8, 3736951.9,       2.7,       2.7,       0.0);         ( 398882.8,
3736951.9,       2.8,       2.8,       0.0);
     ( 398902.8, 3736951.9,       2.9,       2.9,       0.0);         ( 398922.8,
3736951.9,       2.7,       2.7,       0.0);
     ( 398942.8, 3736951.9,       2.6,       2.6,       0.0);         ( 398962.8,
3736951.9,       2.5,       2.5,       0.0);
     ( 398982.8, 3736951.9,       2.7,       2.7,       0.0);         ( 399002.8,
3736951.9,       2.7,       2.7,       0.0);
     ( 399022.8, 3736951.9,       2.7,       2.7,       0.0);         ( 399042.8,
3736951.9,       2.9,       2.9,       0.0);
     ( 399062.8, 3736951.9,       2.9,       2.9,       0.0);         ( 399082.8,
3736951.9,       2.8,       2.8,       0.0);
     ( 399102.8, 3736951.9,       2.6,       2.6,       0.0);         ( 399122.8,
3736951.9,       2.5,       2.5,       0.0);
     ( 399142.8, 3736951.9,       2.5,       2.5,       0.0);         ( 399162.8,
3736951.9,       2.6,       2.6,       0.0);
     ( 399182.8, 3736951.9,       2.8,       2.8,       0.0);         ( 399202.8,
3736951.9,       2.5,       2.5,       0.0);
     ( 399222.8, 3736951.9,       2.5,       2.5,       0.0);         ( 399242.8,
3736951.9,       2.6,       2.6,       0.0);
     ( 399262.8, 3736951.9,       2.8,       2.8,       0.0);         ( 399282.8,
3736951.9,       2.9,       2.9,       0.0);
     ( 399302.8, 3736951.9,       3.0,       3.0,       0.0);         ( 399322.8,
3736951.9,       3.0,       3.0,       0.0);
     ( 399342.8, 3736951.9,       3.0,       3.0,       0.0);         ( 399362.8,
3736951.9,       2.8,       2.8,       0.0);
     ( 399382.8, 3736951.9,       2.7,       2.7,       0.0);         ( 399402.8,
3736951.9,       2.7,       2.7,       0.0);
     ( 399422.8, 3736951.9,       2.7,       2.7,       0.0);         ( 399442.8,
3736951.9,       2.8,       2.8,       0.0);
     ( 399462.8, 3736951.9,       2.9,       2.9,       0.0);         ( 399482.8,
3736951.9,       3.0,       3.0,       0.0);
     ( 399502.8, 3736951.9,       2.7,       2.7,       0.0);         ( 399522.8,
3736951.9,       2.5,       2.5,       0.0);
     ( 399542.8, 3736951.9,       2.7,       2.7,       0.0);         ( 399562.8,
3736951.9,       2.9,       2.9,       0.0);
     ( 399582.8, 3736951.9,       3.0,       3.0,       0.0);         ( 399602.8,
3736951.9,       2.9,       2.9,       0.0);
     ( 399622.8, 3736951.9,       3.0,       3.0,       0.0);         ( 399642.8,
3736951.9,       3.1,       3.1,       0.0);
     ( 399662.8, 3736951.9,       3.1,       3.1,       0.0);         ( 399682.8,
3736951.9,       3.2,       3.2,       0.0);
     ( 399702.8, 3736951.9,       3.2,       3.2,       0.0);         ( 399722.8,
3736951.9,       3.3,       3.3,       0.0);
     ( 399742.8, 3736951.9,       3.2,       3.2,       0.0);         ( 399762.8,
3736951.9,       3.2,       3.2,       0.0);
     ( 399782.8, 3736951.9,       3.3,       3.3,       0.0);         ( 399802.8,
```

3736951.9, 3.4, 3.4, 0.0);
     (399822.8, 3736951.9, 3.4, 3.4, 0.0); (399842.8,
3736951.9, 3.3, 3.3, 0.0);
     (399862.8, 3736951.9, 3.2, 3.2, 0.0); (399882.8,
3736951.9, 3.3, 3.3, 0.0);
     (399902.8, 3736951.9, 3.4, 3.4, 0.0); (399922.8,
3736951.9, 3.4, 3.4, 0.0);
     (399942.8, 3736951.9, 3.4, 3.4, 0.0); (399962.8,
3736951.9, 3.3, 3.3, 0.0);
     (399982.8, 3736951.9, 3.3, 3.3, 0.0); (400002.8,
3736951.9, 3.2, 3.2, 0.0);
     (400022.8, 3736951.9, 3.2, 3.2, 0.0); (400042.8,
3736951.9, 2.9, 2.9, 0.0);
     (400062.8, 3736951.9, 2.8, 2.8, 0.0); (400082.8,
3736951.9, 3.0, 3.0, 0.0);

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                       (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                (METERS)

     (400102.8, 3736951.9, 3.0, 3.0, 0.0); (400122.8,
3736951.9, 2.8, 2.8, 0.0);
     (400142.8, 3736951.9, 2.7, 2.7, 0.0); (400162.8,
3736951.9, 2.0, 2.0, 0.0);
     (400182.8, 3736951.9, 2.7, 2.7, 0.0); (398682.8,
3736971.9, 3.8, 3.8, 0.0);
     (398702.8, 3736971.9, 3.4, 3.4, 0.0); (398722.8,
3736971.9, 3.2, 3.2, 0.0);
     (398742.8, 3736971.9, 0.5, 3.4, 0.0); (398762.8,
3736971.9, 2.0, 2.8, 0.0);
     (398782.8, 3736971.9, 2.8, 2.8, 0.0); (398802.8,
3736971.9, 2.8, 2.8, 0.0);
     (398822.8, 3736971.9, 3.0, 3.0, 0.0); (398842.8,
3736971.9, 2.8, 2.8, 0.0);
     (398862.8, 3736971.9, 2.7, 2.7, 0.0); (398882.8,
3736971.9, 2.7, 2.7, 0.0);
     (398902.8, 3736971.9, 2.8, 2.8, 0.0); (398922.8,
3736971.9, 2.8, 2.8, 0.0);
     (398942.8, 3736971.9, 2.7, 2.7, 0.0); (398962.8,
3736971.9, 2.6, 2.6, 0.0);
     (398982.8, 3736971.9, 2.6, 2.6, 0.0); (399002.8,
3736971.9, 2.7, 2.7, 0.0);
     (399022.8, 3736971.9, 2.8, 2.8, 0.0); (399042.8,

```
3736971.9,       2.8,       2.8,       0.0);
     ( 399062.8, 3736971.9,       2.9,       2.9,       0.0);         ( 399082.8,
3736971.9,       2.9,       2.9,       0.0);
     ( 399102.8, 3736971.9,       2.7,       2.7,       0.0);         ( 399122.8,
3736971.9,       2.6,       2.6,       0.0);
     ( 399142.8, 3736971.9,       2.5,       2.5,       0.0);         ( 399162.8,
3736971.9,       2.4,       2.4,       0.0);
     ( 399182.8, 3736971.9,       2.4,       2.4,       0.0);         ( 399202.8,
3736971.9,       2.5,       2.5,       0.0);
     ( 399222.8, 3736971.9,       2.6,       2.6,       0.0);         ( 399242.8,
3736971.9,       2.6,       2.6,       0.0);
     ( 399262.8, 3736971.9,       2.8,       2.8,       0.0);         ( 399282.8,
3736971.9,       2.9,       2.9,       0.0);
     ( 399302.8, 3736971.9,       3.0,       3.0,       0.0);         ( 399322.8,
3736971.9,       2.9,       2.9,       0.0);
     ( 399342.8, 3736971.9,       2.9,       2.9,       0.0);         ( 399362.8,
3736971.9,       2.8,       2.8,       0.0);
     ( 399382.8, 3736971.9,       2.7,       2.7,       0.0);         ( 399402.8,
3736971.9,       2.7,       2.7,       0.0);
     ( 399422.8, 3736971.9,       3.0,       3.0,       0.0);         ( 399442.8,
3736971.9,       2.9,       2.9,       0.0);
     ( 399462.8, 3736971.9,       2.7,       2.7,       0.0);         ( 399482.8,
3736971.9,       2.8,       2.8,       0.0);
     ( 399502.8, 3736971.9,       2.5,       2.5,       0.0);         ( 399522.8,
3736971.9,       2.7,       2.7,       0.0);
     ( 399542.8, 3736971.9,       2.9,       2.9,       0.0);         ( 399562.8,
3736971.9,       2.9,       2.9,       0.0);
     ( 399582.8, 3736971.9,       3.0,       3.0,       0.0);         ( 399602.8,
3736971.9,       3.0,       3.0,       0.0);
     ( 399622.8, 3736971.9,       3.0,       3.0,       0.0);         ( 399642.8,
3736971.9,       3.1,       3.1,       0.0);
     ( 399662.8, 3736971.9,       3.1,       3.1,       0.0);         ( 399682.8,
3736971.9,       3.1,       3.1,       0.0);
     ( 399702.8, 3736971.9,       3.0,       3.0,       0.0);         ( 399722.8,
3736971.9,       3.2,       3.2,       0.0);
     ( 399742.8, 3736971.9,       3.2,       3.2,       0.0);         ( 399762.8,
3736971.9,       3.2,       3.2,       0.0);
     ( 399782.8, 3736971.9,       3.3,       3.3,       0.0);         ( 399802.8,
3736971.9,       3.3,       3.3,       0.0);
     ( 399822.8, 3736971.9,       3.3,       3.3,       0.0);         ( 399842.8,
3736971.9,       3.1,       3.1,       0.0);
     ( 399862.8, 3736971.9,       3.1,       3.1,       0.0);         ( 399882.8,
3736971.9,       3.1,       3.1,       0.0);
     ( 399902.8, 3736971.9,       3.3,       3.3,       0.0);         ( 399922.8,
3736971.9,       3.4,       3.4,       0.0);
     ( 399942.8, 3736971.9,       3.4,       3.4,       0.0);         ( 399962.8,
3736971.9,       3.4,       3.4,       0.0);
     ( 399982.8, 3736971.9,       3.3,       3.3,       0.0);         ( 400002.8,
3736971.9,       3.3,       3.3,       0.0);
     ( 400022.8, 3736971.9,       3.2,       3.2,       0.0);         ( 400042.8,
```

3736971.9,   3.3,   3.3,   0.0);
     (400062.8, 3736971.9,   3.1,   3.1,   0.0);   (400082.8,
3736971.9,   3.0,   3.0,   0.0);
     (400102.8, 3736971.9,   2.8,   2.8,   0.0);   (400122.8,
3736971.9,   2.9,   2.9,   0.0);
     (400142.8, 3736971.9,   2.8,   2.8,   0.0);   (400162.8,
3736971.9,   2.8,   2.8,   0.0);
     (400182.8, 3736971.9,   2.3,   2.3,   0.0);   (398682.8,
3736991.9,   4.4,   4.4,   0.0);
     (398702.8, 3736991.9,   3.4,   3.4,   0.0);   (398722.8,
3736991.9,   3.1,   3.1,   0.0);
     (398742.8, 3736991.9,   -0.6,   3.5,   0.0);   (398762.8,
3736991.9,   2.6,   2.6,   0.0);
     (398782.8, 3736991.9,   2.6,   2.6,   0.0);   (398802.8,
3736991.9,   2.6,   2.6,   0.0);
     (398822.8, 3736991.9,   2.7,   2.7,   0.0);   (398842.8,
3736991.9,   2.9,   2.9,   0.0);

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                              (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                          (METERS)

     (398862.8, 3736991.9,   2.9,   2.9,   0.0);   (398882.8,
3736991.9,   2.8,   2.8,   0.0);
     (398902.8, 3736991.9,   2.7,   2.7,   0.0);   (398922.8,
3736991.9,   2.8,   2.8,   0.0);
     (398942.8, 3736991.9,   2.8,   2.8,   0.0);   (398962.8,
3736991.9,   2.7,   2.7,   0.0);
     (398982.8, 3736991.9,   2.6,   2.6,   0.0);   (399002.8,
3736991.9,   2.6,   2.6,   0.0);
     (399022.8, 3736991.9,   2.7,   2.7,   0.0);   (399042.8,
3736991.9,   2.8,   2.8,   0.0);
     (399062.8, 3736991.9,   2.9,   2.9,   0.0);   (399082.8,
3736991.9,   2.9,   2.9,   0.0);
     (399102.8, 3736991.9,   2.9,   2.9,   0.0);   (399122.8,
3736991.9,   2.7,   2.7,   0.0);
     (399142.8, 3736991.9,   2.5,   2.5,   0.0);   (399162.8,
3736991.9,   2.5,   2.5,   0.0);
     (399182.8, 3736991.9,   2.4,   2.4,   0.0);   (399202.8,
3736991.9,   2.3,   2.3,   0.0);
     (399222.8, 3736991.9,   2.4,   2.4,   0.0);   (399242.8,
3736991.9,   2.6,   2.6,   0.0);
     (399262.8, 3736991.9,   2.7,   2.7,   0.0);   (399282.8,

```
3736991.9,       2.9,       2.9,       0.0);
     ( 399302.8, 3736991.9,       3.0,       3.0,       0.0);         ( 399322.8,
3736991.9,       3.0,       3.0,       0.0);
     ( 399342.8, 3736991.9,       2.8,       2.8,       0.0);         ( 399362.8,
3736991.9,       2.8,       2.8,       0.0);
     ( 399382.8, 3736991.9,       2.8,       2.8,       0.0);         ( 399402.8,
3736991.9,       2.9,       2.9,       0.0);
     ( 399422.8, 3736991.9,       3.0,       3.0,       0.0);         ( 399442.8,
3736991.9,       2.9,       2.9,       0.0);
     ( 399462.8, 3736991.9,       2.9,       2.9,       0.0);         ( 399482.8,
3736991.9,       2.5,       2.5,       0.0);
     ( 399502.8, 3736991.9,       2.6,       2.6,       0.0);         ( 399522.8,
3736991.9,       2.8,       2.8,       0.0);
     ( 399542.8, 3736991.9,       2.9,       2.9,       0.0);         ( 399562.8,
3736991.9,       3.0,       3.0,       0.0);
     ( 399582.8, 3736991.9,       3.0,       3.0,       0.0);         ( 399602.8,
3736991.9,       2.9,       2.9,       0.0);
     ( 399622.8, 3736991.9,       3.2,       3.2,       0.0);         ( 399642.8,
3736991.9,       3.2,       3.2,       0.0);
     ( 399662.8, 3736991.9,       3.2,       3.2,       0.0);         ( 399682.8,
3736991.9,       3.3,       3.3,       0.0);
     ( 399702.8, 3736991.9,       3.2,       3.2,       0.0);         ( 399722.8,
3736991.9,       3.2,       3.2,       0.0);
     ( 399742.8, 3736991.9,       3.2,       3.2,       0.0);         ( 399762.8,
3736991.9,       3.3,       3.3,       0.0);
     ( 399782.8, 3736991.9,       3.4,       3.4,       0.0);         ( 399802.8,
3736991.9,       3.2,       3.2,       0.0);
     ( 399822.8, 3736991.9,       3.1,       3.1,       0.0);         ( 399842.8,
3736991.9,       3.1,       3.1,       0.0);
     ( 399862.8, 3736991.9,       3.1,       3.1,       0.0);         ( 399882.8,
3736991.9,       3.1,       3.1,       0.0);
     ( 399902.8, 3736991.9,       3.4,       3.4,       0.0);         ( 399922.8,
3736991.9,       3.4,       3.4,       0.0);
     ( 399942.8, 3736991.9,       3.4,       3.4,       0.0);         ( 399962.8,
3736991.9,       3.4,       3.4,       0.0);
     ( 399982.8, 3736991.9,       3.4,       3.4,       0.0);         ( 400002.8,
3736991.9,       3.3,       3.3,       0.0);
     ( 400022.8, 3736991.9,       3.3,       3.3,       0.0);         ( 400042.8,
3736991.9,       3.2,       3.2,       0.0);
     ( 400062.8, 3736991.9,       3.2,       3.2,       0.0);         ( 400082.8,
3736991.9,       2.9,       2.9,       0.0);
     ( 400102.8, 3736991.9,       2.9,       2.9,       0.0);         ( 400122.8,
3736991.9,       3.2,       3.2,       0.0);
     ( 400142.8, 3736991.9,       3.0,       3.0,       0.0);         ( 400162.8,
3736991.9,       2.9,       2.9,       0.0);
     ( 400182.8, 3736991.9,       2.9,       2.9,       0.0);         ( 398682.8,
3737011.9,       5.3,       5.3,       0.0);
     ( 398702.8, 3737011.9,       3.5,       5.5,       0.0);         ( 398722.8,
3737011.9,       2.2,       3.1,       0.0);
     ( 398742.8, 3737011.9,       0.3,       3.3,       0.0);         ( 398762.8,
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3737011.9,       2.7,       2.7,       0.0);
     ( 398782.8, 3737011.9,       2.6,       2.6,       0.0);         ( 398802.8,
3737011.9,       2.6,       2.6,       0.0);
     ( 398822.8, 3737011.9,       2.7,       2.7,       0.0);         ( 398842.8,
3737011.9,       2.9,       2.9,       0.0);
     ( 398862.8, 3737011.9,       3.0,       3.0,       0.0);         ( 398882.8,
3737011.9,       3.0,       3.0,       0.0);
     ( 398902.8, 3737011.9,       2.8,       2.8,       0.0);         ( 398922.8,
3737011.9,       2.8,       2.8,       0.0);
     ( 398942.8, 3737011.9,       2.8,       2.8,       0.0);         ( 398962.8,
3737011.9,       2.8,       2.8,       0.0);
     ( 398982.8, 3737011.9,       2.9,       2.9,       0.0);         ( 399002.8,
3737011.9,       2.8,       2.8,       0.0);
     ( 399022.8, 3737011.9,       2.7,       2.7,       0.0);         ( 399042.8,
3737011.9,       2.7,       2.7,       0.0);
     ( 399062.8, 3737011.9,       2.9,       2.9,       0.0);         ( 399082.8,
3737011.9,       2.9,       2.9,       0.0);
     ( 399102.8, 3737011.9,       2.9,       2.9,       0.0);         ( 399122.8,
3737011.9,       2.8,       2.8,       0.0);
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                                   ***        10:15:03

                                   PAGE  45
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                                 *** DISCRETE CARTESIAN RECEPTORS ***
                                               (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                           (METERS)

     ( 399142.8, 3737011.9,       2.6,       2.6,       0.0);         ( 399162.8,
3737011.9,       2.5,       2.5,       0.0);
     ( 399182.8, 3737011.9,       2.4,       2.4,       0.0);         ( 399202.8,
3737011.9,       2.4,       2.4,       0.0);
     ( 399222.8, 3737011.9,       2.3,       2.3,       0.0);         ( 399242.8,
3737011.9,       2.5,       2.5,       0.0);
     ( 399262.8, 3737011.9,       2.6,       2.6,       0.0);         ( 399282.8,
3737011.9,       2.8,       2.8,       0.0);
     ( 399302.8, 3737011.9,       2.8,       2.8,       0.0);         ( 399322.8,
3737011.9,       3.0,       3.0,       0.0);
     ( 399342.8, 3737011.9,       2.9,       2.9,       0.0);         ( 399362.8,
3737011.9,       2.8,       2.8,       0.0);
     ( 399382.8, 3737011.9,       2.8,       2.8,       0.0);         ( 399402.8,
3737011.9,       3.0,       3.0,       0.0);
     ( 399422.8, 3737011.9,       3.0,       3.0,       0.0);         ( 399442.8,
3737011.9,       3.0,       3.0,       0.0);
     ( 399462.8, 3737011.9,       2.7,       2.7,       0.0);         ( 399482.8,
3737011.9,       2.6,       2.6,       0.0);
     ( 399502.8, 3737011.9,       2.7,       2.7,       0.0);         ( 399522.8,
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```
3737011.9,       2.8,       2.8,       0.0);
     ( 399542.8, 3737011.9,       2.9,       2.9,       0.0);         ( 399562.8,
3737011.9,       3.0,       3.0,       0.0);
     ( 399582.8, 3737011.9,       2.8,       2.8,       0.0);         ( 399602.8,
3737011.9,       2.8,       2.8,       0.0);
     ( 399622.8, 3737011.9,       2.9,       2.9,       0.0);         ( 399642.8,
3737011.9,       3.2,       3.2,       0.0);
     ( 399662.8, 3737011.9,       3.3,       3.3,       0.0);         ( 399682.8,
3737011.9,       3.3,       3.3,       0.0);
     ( 399702.8, 3737011.9,       3.3,       3.3,       0.0);         ( 399722.8,
3737011.9,       3.4,       3.4,       0.0);
     ( 399742.8, 3737011.9,       3.5,       3.5,       0.0);         ( 399762.8,
3737011.9,       3.6,       3.6,       0.0);
     ( 399782.8, 3737011.9,       3.5,       3.5,       0.0);         ( 399802.8,
3737011.9,       3.2,       3.2,       0.0);
     ( 399822.8, 3737011.9,       3.1,       3.1,       0.0);         ( 399842.8,
3737011.9,       3.0,       3.0,       0.0);
     ( 399862.8, 3737011.9,       3.0,       3.0,       0.0);         ( 399882.8,
3737011.9,       3.4,       3.4,       0.0);
     ( 399902.8, 3737011.9,       3.4,       3.4,       0.0);         ( 399922.8,
3737011.9,       3.4,       3.4,       0.0);
     ( 399942.8, 3737011.9,       3.4,       3.4,       0.0);         ( 399962.8,
3737011.9,       3.2,       3.2,       0.0);
     ( 399982.8, 3737011.9,       3.2,       3.2,       0.0);         ( 400002.8,
3737011.9,       3.4,       3.4,       0.0);
     ( 400022.8, 3737011.9,       3.3,       3.3,       0.0);         ( 400042.8,
3737011.9,       3.3,       3.3,       0.0);
     ( 400062.8, 3737011.9,       3.1,       3.1,       0.0);         ( 400082.8,
3737011.9,       2.8,       2.8,       0.0);
     ( 400102.8, 3737011.9,       3.2,       3.2,       0.0);         ( 400122.8,
3737011.9,       3.2,       3.2,       0.0);
     ( 400142.8, 3737011.9,       3.2,       3.2,       0.0);         ( 400162.8,
3737011.9,       3.2,       3.2,       0.0);
     ( 400182.8, 3737011.9,       3.4,       3.4,       0.0);         ( 398682.8,
3737031.9,       3.7,       3.7,       0.0);
     ( 398702.8, 3737031.9,       3.4,       3.4,       0.0);         ( 398722.8,
3737031.9,       0.3,       5.5,       0.0);
     ( 398742.8, 3737031.9,       2.1,       2.6,       0.0);         ( 398762.8,
3737031.9,       2.9,       2.9,       0.0);
     ( 398782.8, 3737031.9,       2.8,       2.8,       0.0);         ( 398802.8,
3737031.9,       2.6,       2.6,       0.0);
     ( 398822.8, 3737031.9,       2.7,       2.7,       0.0);         ( 398842.8,
3737031.9,       2.9,       2.9,       0.0);
     ( 398862.8, 3737031.9,       2.9,       2.9,       0.0);         ( 398882.8,
3737031.9,       2.9,       2.9,       0.0);
     ( 398902.8, 3737031.9,       2.8,       2.8,       0.0);         ( 398922.8,
3737031.9,       2.8,       2.8,       0.0);
     ( 398942.8, 3737031.9,       2.6,       2.6,       0.0);         ( 398962.8,
3737031.9,       2.8,       2.8,       0.0);
     ( 398982.8, 3737031.9,       2.9,       2.9,       0.0);         ( 399002.8,
```

3737031.9, 2.9, 2.9, 0.0);
     (399022.8, 3737031.9, 2.9, 2.9, 0.0); (399042.8,
3737031.9, 2.8, 2.8, 0.0);
     (399062.8, 3737031.9, 2.7, 2.7, 0.0); (399082.8,
3737031.9, 2.9, 2.9, 0.0);
     (399102.8, 3737031.9, 2.9, 2.9, 0.0); (399122.8,
3737031.9, 2.6, 2.6, 0.0);
     (399142.8, 3737031.9, 2.8, 2.8, 0.0); (399162.8,
3737031.9, 2.8, 2.8, 0.0);
     (399182.8, 3737031.9, 2.6, 2.6, 0.0); (399202.8,
3737031.9, 2.4, 2.4, 0.0);
     (399222.8, 3737031.9, 2.4, 2.4, 0.0); (399242.8,
3737031.9, 2.6, 2.6, 0.0);
     (399262.8, 3737031.9, 2.6, 2.6, 0.0); (399282.8,
3737031.9, 2.8, 2.8, 0.0);
     (399302.8, 3737031.9, 2.9, 2.9, 0.0); (399322.8,
3737031.9, 3.1, 3.1, 0.0);
     (399342.8, 3737031.9, 3.0, 3.0, 0.0); (399362.8,
3737031.9, 2.9, 2.9, 0.0);
     (399382.8, 3737031.9, 3.0, 3.0, 0.0); (399402.8,
3737031.9, 3.0, 3.0, 0.0);

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                      (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                  (METERS)

     (399422.8, 3737031.9, 2.9, 2.9, 0.0); (399442.8,
3737031.9, 2.9, 2.9, 0.0);
     (399462.8, 3737031.9, 2.6, 2.6, 0.0); (399482.8,
3737031.9, 2.7, 2.7, 0.0);
     (399502.8, 3737031.9, 2.6, 2.6, 0.0); (399522.8,
3737031.9, 2.7, 2.7, 0.0);
     (399542.8, 3737031.9, 2.9, 2.9, 0.0); (399562.8,
3737031.9, 2.9, 2.9, 0.0);
     (399582.8, 3737031.9, 2.8, 2.8, 0.0); (399602.8,
3737031.9, 2.8, 2.8, 0.0);
     (399622.8, 3737031.9, 2.9, 2.9, 0.0); (399642.8,
3737031.9, 3.3, 3.3, 0.0);
     (399662.8, 3737031.9, 3.5, 3.5, 0.0); (399682.8,
3737031.9, 3.5, 3.5, 0.0);
     (399702.8, 3737031.9, 3.4, 3.4, 0.0); (399722.8,
3737031.9, 3.5, 3.5, 0.0);
     (399742.8, 3737031.9, 3.5, 3.5, 0.0); (399762.8,

```
3737031.9,       3.5,       3.5,       0.0);
     ( 399782.8, 3737031.9,       3.4,       3.4,       0.0);         ( 399802.8,
3737031.9,       3.2,       3.2,       0.0);
     ( 399822.8, 3737031.9,       3.1,       3.1,       0.0);         ( 399842.8,
3737031.9,       3.0,       3.0,       0.0);
     ( 399862.8, 3737031.9,       3.0,       3.0,       0.0);         ( 399882.8,
3737031.9,       3.0,       3.0,       0.0);
     ( 399902.8, 3737031.9,       3.3,       3.3,       0.0);         ( 399922.8,
3737031.9,       3.4,       3.4,       0.0);
     ( 399942.8, 3737031.9,       3.3,       3.3,       0.0);         ( 399962.8,
3737031.9,       3.1,       3.1,       0.0);
     ( 399982.8, 3737031.9,       3.1,       3.1,       0.0);         ( 400002.8,
3737031.9,       3.2,       3.2,       0.0);
     ( 400022.8, 3737031.9,       3.2,       3.2,       0.0);         ( 400042.8,
3737031.9,       3.2,       3.2,       0.0);
     ( 400062.8, 3737031.9,       2.9,       2.9,       0.0);         ( 400082.8,
3737031.9,       3.0,       3.0,       0.0);
     ( 400102.8, 3737031.9,       3.2,       3.2,       0.0);         ( 400122.8,
3737031.9,       3.2,       3.2,       0.0);
     ( 400142.8, 3737031.9,       3.3,       3.3,       0.0);         ( 400162.8,
3737031.9,       3.2,       3.2,       0.0);
     ( 400182.8, 3737031.9,       3.5,       3.5,       0.0);         ( 398682.8,
3737051.9,       3.5,       3.5,       0.0);
     ( 398702.8, 3737051.9,       2.6,       2.6,       0.0);         ( 398722.8,
3737051.9,      -0.0,       3.4,       0.0);
     ( 398742.8, 3737051.9,       2.8,       2.8,       0.0);         ( 398762.8,
3737051.9,       2.9,       2.9,       0.0);
     ( 398782.8, 3737051.9,       2.6,       2.6,       0.0);         ( 398802.8,
3737051.9,       2.5,       2.5,       0.0);
     ( 398822.8, 3737051.9,       2.6,       2.6,       0.0);         ( 398842.8,
3737051.9,       2.6,       2.6,       0.0);
     ( 398862.8, 3737051.9,       2.9,       2.9,       0.0);         ( 398882.8,
3737051.9,       3.0,       3.0,       0.0);
     ( 398902.8, 3737051.9,       2.9,       2.9,       0.0);         ( 398922.8,
3737051.9,       2.7,       2.7,       0.0);
     ( 398942.8, 3737051.9,       2.6,       2.6,       0.0);         ( 398962.8,
3737051.9,       2.9,       2.9,       0.0);
     ( 398982.8, 3737051.9,       2.9,       2.9,       0.0);         ( 399002.8,
3737051.9,       2.9,       2.9,       0.0);
     ( 399022.8, 3737051.9,       2.9,       2.9,       0.0);         ( 399042.8,
3737051.9,       2.9,       2.9,       0.0);
     ( 399062.8, 3737051.9,       2.8,       2.8,       0.0);         ( 399082.8,
3737051.9,       2.7,       2.7,       0.0);
     ( 399102.8, 3737051.9,       2.7,       2.7,       0.0);         ( 399122.8,
3737051.9,       2.8,       2.8,       0.0);
     ( 399142.8, 3737051.9,       2.9,       2.9,       0.0);         ( 399162.8,
3737051.9,       2.8,       2.8,       0.0);
     ( 399182.8, 3737051.9,       2.8,       2.8,       0.0);         ( 399202.8,
3737051.9,       2.7,       2.7,       0.0);
     ( 399222.8, 3737051.9,       2.6,       2.6,       0.0);         ( 399242.8,
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3737051.9,       2.6,       2.6,       0.0);
     ( 399262.8, 3737051.9,       2.6,       2.6,       0.0);         ( 399282.8,
3737051.9,       2.9,       2.9,       0.0);
     ( 399302.8, 3737051.9,       3.0,       3.0,       0.0);         ( 399322.8,
3737051.9,       3.0,       3.0,       0.0);
     ( 399342.8, 3737051.9,       3.1,       3.1,       0.0);         ( 399362.8,
3737051.9,       3.1,       3.1,       0.0);
     ( 399382.8, 3737051.9,       3.2,       3.2,       0.0);         ( 399402.8,
3737051.9,       3.0,       3.0,       0.0);
     ( 399422.8, 3737051.9,       3.0,       3.0,       0.0);         ( 399442.8,
3737051.9,       2.7,       2.7,       0.0);
     ( 399462.8, 3737051.9,       2.7,       2.7,       0.0);         ( 399482.8,
3737051.9,       2.9,       2.9,       0.0);
     ( 399502.8, 3737051.9,       2.9,       2.9,       0.0);         ( 399522.8,
3737051.9,       2.8,       2.8,       0.0);
     ( 399542.8, 3737051.9,       2.7,       2.7,       0.0);         ( 399562.8,
3737051.9,       2.7,       2.7,       0.0);
     ( 399582.8, 3737051.9,       2.8,       2.8,       0.0);         ( 399602.8,
3737051.9,       2.8,       2.8,       0.0);
     ( 399622.8, 3737051.9,       2.9,       2.9,       0.0);         ( 399642.8,
3737051.9,       3.4,       3.4,       0.0);
     ( 399662.8, 3737051.9,       3.4,       3.4,       0.0);         ( 399682.8,
3737051.9,       3.5,       3.5,       0.0);
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                                   ***        10:15:03

                                      PAGE  47
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                                 *** DISCRETE CARTESIAN RECEPTORS ***
                                               (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                           (METERS)

     ( 399702.8, 3737051.9,       3.5,       3.5,       0.0);         ( 399722.8,
3737051.9,       3.5,       3.5,       0.0);
     ( 399742.8, 3737051.9,       3.5,       3.5,       0.0);         ( 399762.8,
3737051.9,       3.5,       3.5,       0.0);
     ( 399782.8, 3737051.9,       3.2,       3.2,       0.0);         ( 399802.8,
3737051.9,       3.1,       3.1,       0.0);
     ( 399822.8, 3737051.9,       3.1,       3.1,       0.0);         ( 399842.8,
3737051.9,       3.1,       3.1,       0.0);
     ( 399862.8, 3737051.9,       3.5,       3.5,       0.0);         ( 399882.8,
3737051.9,       3.2,       3.2,       0.0);
     ( 399902.8, 3737051.9,       3.0,       3.0,       0.0);         ( 399922.8,
3737051.9,       3.1,       3.1,       0.0);
     ( 399942.8, 3737051.9,       3.0,       3.0,       0.0);         ( 399962.8,
3737051.9,       3.0,       3.0,       0.0);
     ( 399982.8, 3737051.9,       3.1,       3.1,       0.0);         ( 400002.8,
```

```
3737051.9,       3.2,       3.2,       0.0);
     ( 400022.8, 3737051.9,       3.2,       3.2,       0.0);         ( 400042.8,
3737051.9,       3.0,       3.0,       0.0);
     ( 400062.8, 3737051.9,       2.9,       2.9,       0.0);         ( 400082.8,
3737051.9,       3.2,       3.2,       0.0);
     ( 400102.8, 3737051.9,       3.1,       3.1,       0.0);         ( 400122.8,
3737051.9,       3.3,       3.3,       0.0);
     ( 400142.8, 3737051.9,       3.4,       3.4,       0.0);         ( 400162.8,
3737051.9,       3.3,       3.3,       0.0);
     ( 400182.8, 3737051.9,       3.5,       3.5,       0.0);         ( 398682.8,
3737071.9,       3.4,       3.4,       0.0);
     ( 398702.8, 3737071.9,       0.1,       3.7,       0.0);         ( 398722.8,
3737071.9,       2.0,       2.8,       0.0);
     ( 398742.8, 3737071.9,       2.9,       2.9,       0.0);         ( 398762.8,
3737071.9,       2.7,       2.7,       0.0);
     ( 398782.8, 3737071.9,       2.5,       2.5,       0.0);         ( 398802.8,
3737071.9,       2.5,       2.5,       0.0);
     ( 398822.8, 3737071.9,       2.6,       2.6,       0.0);         ( 398842.8,
3737071.9,       2.6,       2.6,       0.0);
     ( 398862.8, 3737071.9,       2.7,       2.7,       0.0);         ( 398882.8,
3737071.9,       2.8,       2.8,       0.0);
     ( 398902.8, 3737071.9,       2.9,       2.9,       0.0);         ( 398922.8,
3737071.9,       2.8,       2.8,       0.0);
     ( 398942.8, 3737071.9,       2.9,       2.9,       0.0);         ( 398962.8,
3737071.9,       2.8,       2.8,       0.0);
     ( 398982.8, 3737071.9,       3.0,       3.0,       0.0);         ( 399002.8,
3737071.9,       2.9,       2.9,       0.0);
     ( 399022.8, 3737071.9,       2.8,       2.8,       0.0);         ( 399042.8,
3737071.9,       2.8,       2.8,       0.0);
     ( 399062.8, 3737071.9,       2.7,       2.7,       0.0);         ( 399082.8,
3737071.9,       3.0,       3.0,       0.0);
     ( 399102.8, 3737071.9,       2.8,       2.8,       0.0);         ( 399122.8,
3737071.9,       2.7,       2.7,       0.0);
     ( 399142.8, 3737071.9,       2.8,       2.8,       0.0);         ( 399162.8,
3737071.9,       2.8,       2.8,       0.0);
     ( 399182.8, 3737071.9,       2.8,       2.8,       0.0);         ( 399202.8,
3737071.9,       2.9,       2.9,       0.0);
     ( 399222.8, 3737071.9,       2.9,       2.9,       0.0);         ( 399242.8,
3737071.9,       2.7,       2.7,       0.0);
     ( 399262.8, 3737071.9,       2.7,       2.7,       0.0);         ( 399282.8,
3737071.9,       3.0,       3.0,       0.0);
     ( 399302.8, 3737071.9,       3.0,       3.0,       0.0);         ( 399322.8,
3737071.9,       3.0,       3.0,       0.0);
     ( 399342.8, 3737071.9,       3.0,       3.0,       0.0);         ( 399362.8,
3737071.9,       3.2,       3.2,       0.0);
     ( 399382.8, 3737071.9,       3.1,       3.1,       0.0);         ( 399402.8,
3737071.9,       3.0,       3.0,       0.0);
     ( 399422.8, 3737071.9,       2.9,       2.9,       0.0);         ( 399442.8,
3737071.9,       2.7,       2.7,       0.0);
     ( 399462.8, 3737071.9,       2.9,       2.9,       0.0);         ( 399482.8,
```

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3737071.9,       3.0,       3.0,       0.0);
     ( 399502.8, 3737071.9,       2.9,       2.9,       0.0);         ( 399522.8,
3737071.9,       2.9,       2.9,       0.0);
     ( 399542.8, 3737071.9,       2.8,       2.8,       0.0);         ( 399562.8,
3737071.9,       2.7,       2.7,       0.0);
     ( 399582.8, 3737071.9,       2.7,       2.7,       0.0);         ( 399602.8,
3737071.9,       2.8,       2.8,       0.0);
     ( 399622.8, 3737071.9,       3.2,       3.2,       0.0);         ( 399642.8,
3737071.9,       3.5,       3.5,       0.0);
     ( 399662.8, 3737071.9,       3.5,       3.5,       0.0);         ( 399682.8,
3737071.9,       3.5,       3.5,       0.0);
     ( 399702.8, 3737071.9,       3.5,       3.5,       0.0);         ( 399722.8,
3737071.9,       3.5,       3.5,       0.0);
     ( 399742.8, 3737071.9,       3.4,       3.4,       0.0);         ( 399762.8,
3737071.9,       3.5,       3.5,       0.0);
     ( 399782.8, 3737071.9,       3.4,       3.4,       0.0);         ( 399802.8,
3737071.9,       3.2,       3.2,       0.0);
     ( 399822.8, 3737071.9,       3.0,       3.0,       0.0);         ( 399842.8,
3737071.9,       3.4,       3.4,       0.0);
     ( 399862.8, 3737071.9,       3.4,       3.4,       0.0);         ( 399882.8,
3737071.9,       3.4,       3.4,       0.0);
     ( 399902.8, 3737071.9,       3.3,       3.3,       0.0);         ( 399922.8,
3737071.9,       3.0,       3.0,       0.0);
     ( 399942.8, 3737071.9,       2.9,       2.9,       0.0);         ( 399962.8,
3737071.9,       2.9,       2.9,       0.0);
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***       10/21/20
 *** AERMET - VERSION  16216 ***   ***
                                   ***       10:15:03

                                    PAGE  48
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                              (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                           (METERS)

     ( 399982.8, 3737071.9,       3.2,       3.2,       0.0);         ( 400002.8,
3737071.9,       3.1,       3.1,       0.0);
     ( 400022.8, 3737071.9,       3.1,       3.1,       0.0);         ( 400042.8,
3737071.9,       2.8,       2.8,       0.0);
     ( 400062.8, 3737071.9,       2.9,       2.9,       0.0);         ( 400082.8,
3737071.9,       3.1,       3.1,       0.0);
     ( 400102.8, 3737071.9,       3.3,       3.3,       0.0);         ( 400122.8,
3737071.9,       3.3,       3.3,       0.0);
     ( 400142.8, 3737071.9,       3.3,       3.3,       0.0);         ( 400162.8,
3737071.9,       3.3,       3.3,       0.0);
     ( 400182.8, 3737071.9,       3.4,       3.4,       0.0);         ( 398682.8,
3737091.9,       2.4,       3.5,       0.0);
     ( 398702.8, 3737091.9,      -0.3,       3.7,       0.0);         ( 398722.8,
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```
3737091.9,       2.6,       2.6,       0.0);
     ( 398742.8, 3737091.9,       2.6,       2.6,       0.0);         ( 398762.8,
3737091.9,       2.5,       2.5,       0.0);
     ( 398782.8, 3737091.9,       2.7,       2.7,       0.0);         ( 398802.8,
3737091.9,       2.7,       2.7,       0.0);
     ( 398822.8, 3737091.9,       2.6,       2.6,       0.0);         ( 398842.8,
3737091.9,       2.6,       2.6,       0.0);
     ( 398862.8, 3737091.9,       2.7,       2.7,       0.0);         ( 398882.8,
3737091.9,       2.8,       2.8,       0.0);
     ( 398902.8, 3737091.9,       2.9,       2.9,       0.0);         ( 398922.8,
3737091.9,       2.8,       2.8,       0.0);
     ( 398942.8, 3737091.9,       2.8,       2.8,       0.0);         ( 398962.8,
3737091.9,       2.9,       2.9,       0.0);
     ( 398982.8, 3737091.9,       3.0,       3.0,       0.0);         ( 399002.8,
3737091.9,       2.9,       2.9,       0.0);
     ( 399022.8, 3737091.9,       2.8,       2.8,       0.0);         ( 399042.8,
3737091.9,       2.8,       2.8,       0.0);
     ( 399062.8, 3737091.9,       2.8,       2.8,       0.0);         ( 399082.8,
3737091.9,       2.9,       2.9,       0.0);
     ( 399102.8, 3737091.9,       3.0,       3.0,       0.0);         ( 399122.8,
3737091.9,       2.9,       2.9,       0.0);
     ( 399142.8, 3737091.9,       2.7,       2.7,       0.0);         ( 399162.8,
3737091.9,       2.8,       2.8,       0.0);
     ( 399182.8, 3737091.9,       2.9,       2.9,       0.0);         ( 399202.8,
3737091.9,       2.9,       2.9,       0.0);
     ( 399222.8, 3737091.9,       2.9,       2.9,       0.0);         ( 399242.8,
3737091.9,       2.8,       2.8,       0.0);
     ( 399262.8, 3737091.9,       2.9,       2.9,       0.0);         ( 399282.8,
3737091.9,       2.9,       2.9,       0.0);
     ( 399302.8, 3737091.9,       2.8,       2.8,       0.0);         ( 399322.8,
3737091.9,       2.9,       2.9,       0.0);
     ( 399342.8, 3737091.9,       3.1,       3.1,       0.0);         ( 399362.8,
3737091.9,       3.0,       3.0,       0.0);
     ( 399382.8, 3737091.9,       3.0,       3.0,       0.0);         ( 399402.8,
3737091.9,       3.0,       3.0,       0.0);
     ( 399422.8, 3737091.9,       2.7,       2.7,       0.0);         ( 399442.8,
3737091.9,       2.8,       2.8,       0.0);
     ( 399462.8, 3737091.9,       2.9,       2.9,       0.0);         ( 399482.8,
3737091.9,       2.9,       2.9,       0.0);
     ( 399502.8, 3737091.9,       3.0,       3.0,       0.0);         ( 399522.8,
3737091.9,       2.9,       2.9,       0.0);
     ( 399542.8, 3737091.9,       2.8,       2.8,       0.0);         ( 399562.8,
3737091.9,       2.8,       2.8,       0.0);
     ( 399582.8, 3737091.9,       2.8,       2.8,       0.0);         ( 399602.8,
3737091.9,       3.2,       3.2,       0.0);
     ( 399622.8, 3737091.9,       3.4,       3.4,       0.0);         ( 399642.8,
3737091.9,       3.3,       3.3,       0.0);
     ( 399662.8, 3737091.9,       3.4,       3.4,       0.0);         ( 399682.8,
3737091.9,       3.6,       3.6,       0.0);
     ( 399702.8, 3737091.9,       3.6,       3.6,       0.0);         ( 399722.8,
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3737091.9,       3.7,       3.7,       0.0);
     ( 399742.8, 3737091.9,       3.6,       3.6,       0.0);         ( 399762.8,
3737091.9,       3.6,       3.6,       0.0);
     ( 399782.8, 3737091.9,       3.5,       3.5,       0.0);         ( 399802.8,
3737091.9,       3.5,       3.5,       0.0);
     ( 399822.8, 3737091.9,       3.5,       3.5,       0.0);         ( 399842.8,
3737091.9,       3.5,       3.5,       0.0);
     ( 399862.8, 3737091.9,       3.5,       3.5,       0.0);         ( 399882.8,
3737091.9,       3.5,       3.5,       0.0);
     ( 399902.8, 3737091.9,       3.3,       3.3,       0.0);         ( 399922.8,
3737091.9,       3.0,       3.0,       0.0);
     ( 399942.8, 3737091.9,       3.0,       3.0,       0.0);         ( 399962.8,
3737091.9,       3.0,       3.0,       0.0);
     ( 399982.8, 3737091.9,       3.0,       3.0,       0.0);         ( 400002.8,
3737091.9,       3.2,       3.2,       0.0);
     ( 400022.8, 3737091.9,       2.9,       2.9,       0.0);         ( 400042.8,
3737091.9,       2.8,       2.8,       0.0);
     ( 400062.8, 3737091.9,       2.9,       2.9,       0.0);         ( 400082.8,
3737091.9,       2.9,       2.9,       0.0);
     ( 400102.8, 3737091.9,       3.1,       3.1,       0.0);         ( 400122.8,
3737091.9,       3.3,       3.3,       0.0);
     ( 400142.8, 3737091.9,       3.4,       3.4,       0.0);         ( 400162.8,
3737091.9,       3.2,       3.2,       0.0);
     ( 400182.8, 3737091.9,       3.4,       3.4,       0.0);         ( 398682.8,
3737111.9,       0.2,       3.9,       0.0);
     ( 398702.8, 3737111.9,       2.1,       2.1,       0.0);         ( 398722.8,
3737111.9,       2.7,       2.7,       0.0);
↟ *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                      ***        10:15:03

                                  PAGE  49
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                              (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                          (METERS)

     ( 398742.8, 3737111.9,       2.5,       2.5,       0.0);         ( 398762.8,
3737111.9,       2.6,       2.6,       0.0);
     ( 398782.8, 3737111.9,       2.8,       2.8,       0.0);         ( 398802.8,
3737111.9,       2.8,       2.8,       0.0);
     ( 398822.8, 3737111.9,       2.9,       2.9,       0.0);         ( 398842.8,
3737111.9,       2.8,       2.8,       0.0);
     ( 398862.8, 3737111.9,       2.8,       2.8,       0.0);         ( 398882.8,
3737111.9,       2.8,       2.8,       0.0);
     ( 398902.8, 3737111.9,       2.7,       2.7,       0.0);         ( 398922.8,
3737111.9,       2.8,       2.8,       0.0);
     ( 398942.8, 3737111.9,       2.8,       2.8,       0.0);         ( 398962.8,
```

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3737111.9,       3.0,       3.0,       0.0);
     ( 398982.8, 3737111.9,       3.0,       3.0,       0.0);         ( 399002.8,
3737111.9,       3.0,       3.0,       0.0);
     ( 399022.8, 3737111.9,       2.9,       2.9,       0.0);         ( 399042.8,
3737111.9,       2.8,       2.8,       0.0);
     ( 399062.8, 3737111.9,       2.8,       2.8,       0.0);         ( 399082.8,
3737111.9,       2.8,       2.8,       0.0);
     ( 399102.8, 3737111.9,       2.9,       2.9,       0.0);         ( 399122.8,
3737111.9,       3.0,       3.0,       0.0);
     ( 399142.8, 3737111.9,       3.0,       3.0,       0.0);         ( 399162.8,
3737111.9,       2.8,       2.8,       0.0);
     ( 399182.8, 3737111.9,       2.7,       2.7,       0.0);         ( 399202.8,
3737111.9,       2.9,       2.9,       0.0);
     ( 399222.8, 3737111.9,       2.9,       2.9,       0.0);         ( 399242.8,
3737111.9,       2.9,       2.9,       0.0);
     ( 399262.8, 3737111.9,       3.0,       3.0,       0.0);         ( 399282.8,
3737111.9,       2.9,       2.9,       0.0);
     ( 399302.8, 3737111.9,       2.8,       2.8,       0.0);         ( 399322.8,
3737111.9,       2.7,       2.7,       0.0);
     ( 399342.8, 3737111.9,       2.8,       2.8,       0.0);         ( 399362.8,
3737111.9,       2.9,       2.9,       0.0);
     ( 399382.8, 3737111.9,       3.0,       3.0,       0.0);         ( 399402.8,
3737111.9,       2.8,       2.8,       0.0);
     ( 399422.8, 3737111.9,       2.7,       2.7,       0.0);         ( 399442.8,
3737111.9,       2.9,       2.9,       0.0);
     ( 399462.8, 3737111.9,       3.0,       3.0,       0.0);         ( 399482.8,
3737111.9,       3.0,       3.0,       0.0);
     ( 399502.8, 3737111.9,       3.0,       3.0,       0.0);         ( 399522.8,
3737111.9,       2.9,       2.9,       0.0);
     ( 399542.8, 3737111.9,       2.9,       2.9,       0.0);         ( 399562.8,
3737111.9,       2.8,       2.8,       0.0);
     ( 399582.8, 3737111.9,       3.0,       3.0,       0.0);         ( 399602.8,
3737111.9,       3.3,       3.3,       0.0);
     ( 399622.8, 3737111.9,       3.4,       3.4,       0.0);         ( 399642.8,
3737111.9,       3.6,       3.6,       0.0);
     ( 399662.8, 3737111.9,       3.5,       3.5,       0.0);         ( 399682.8,
3737111.9,       3.6,       3.6,       0.0);
     ( 399702.8, 3737111.9,       3.7,       3.7,       0.0);         ( 399722.8,
3737111.9,       3.7,       3.7,       0.0);
     ( 399742.8, 3737111.9,       3.6,       3.6,       0.0);         ( 399762.8,
3737111.9,       3.6,       3.6,       0.0);
     ( 399782.8, 3737111.9,       3.5,       3.5,       0.0);         ( 399802.8,
3737111.9,       3.4,       3.4,       0.0);
     ( 399822.8, 3737111.9,       3.6,       3.6,       0.0);         ( 399842.8,
3737111.9,       3.5,       3.5,       0.0);
     ( 399862.8, 3737111.9,       3.5,       3.5,       0.0);         ( 399882.8,
3737111.9,       3.4,       3.4,       0.0);
     ( 399902.8, 3737111.9,       3.1,       3.1,       0.0);         ( 399922.8,
3737111.9,       3.1,       3.1,       0.0);
     ( 399942.8, 3737111.9,       3.1,       3.1,       0.0);         ( 399962.8,
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3737111.9,       3.2,       3.2,       0.0);
     ( 399982.8, 3737111.9,       3.1,       3.1,       0.0);         ( 400002.8,
3737111.9,       2.9,       2.9,       0.0);
     ( 400022.8, 3737111.9,       3.0,       3.0,       0.0);         ( 400042.8,
3737111.9,       3.2,       3.2,       0.0);
     ( 400062.8, 3737111.9,       3.0,       3.0,       0.0);         ( 400082.8,
3737111.9,       2.9,       2.9,       0.0);
     ( 400102.8, 3737111.9,       3.0,       3.0,       0.0);         ( 400122.8,
3737111.9,       3.0,       3.0,       0.0);
     ( 400142.8, 3737111.9,       3.2,       3.2,       0.0);         ( 400162.8,
3737111.9,       3.1,       3.1,       0.0);
     ( 400182.8, 3737111.9,       3.3,       3.3,       0.0);         ( 398682.8,
3737131.9,       0.2,       4.3,       0.0);
     ( 398702.8, 3737131.9,       2.7,       2.7,       0.0);         ( 398722.8,
3737131.9,       2.7,       2.7,       0.0);
     ( 398742.8, 3737131.9,       2.5,       2.5,       0.0);         ( 398762.8,
3737131.9,       2.5,       2.5,       0.0);
     ( 398782.8, 3737131.9,       2.7,       2.7,       0.0);         ( 398802.8,
3737131.9,       2.8,       2.8,       0.0);
     ( 398822.8, 3737131.9,       2.9,       2.9,       0.0);         ( 398842.8,
3737131.9,       2.9,       2.9,       0.0);
     ( 398862.8, 3737131.9,       2.8,       2.8,       0.0);         ( 398882.8,
3737131.9,       2.9,       2.9,       0.0);
     ( 398902.8, 3737131.9,       2.8,       2.8,       0.0);         ( 398922.8,
3737131.9,       2.8,       2.8,       0.0);
     ( 398942.8, 3737131.9,       2.8,       2.8,       0.0);         ( 398962.8,
3737131.9,       3.0,       3.0,       0.0);
     ( 398982.8, 3737131.9,       2.9,       2.9,       0.0);         ( 399002.8,
3737131.9,       2.8,       2.8,       0.0);
↟ *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                      ***        10:15:03

                                  PAGE  50
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                              (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                           (METERS)

     ( 399022.8, 3737131.9,       2.8,       2.8,       0.0);         ( 399042.8,
3737131.9,       2.9,       2.9,       0.0);
     ( 399062.8, 3737131.9,       2.9,       2.9,       0.0);         ( 399082.8,
3737131.9,       2.9,       2.9,       0.0);
     ( 399102.8, 3737131.9,       2.9,       2.9,       0.0);         ( 399122.8,
3737131.9,       3.0,       3.0,       0.0);
     ( 399142.8, 3737131.9,       3.0,       3.0,       0.0);         ( 399162.8,
3737131.9,       3.0,       3.0,       0.0);
     ( 399182.8, 3737131.9,       2.9,       2.9,       0.0);         ( 399202.8,
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3737131.9,       2.7,       2.7,       0.0);
     ( 399222.8, 3737131.9,       2.7,       2.7,       0.0);         ( 399242.8,
3737131.9,       2.8,       2.8,       0.0);
     ( 399262.8, 3737131.9,       3.0,       3.0,       0.0);         ( 399282.8,
3737131.9,       2.9,       2.9,       0.0);
     ( 399302.8, 3737131.9,       2.8,       2.8,       0.0);         ( 399322.8,
3737131.9,       2.7,       2.7,       0.0);
     ( 399342.8, 3737131.9,       2.7,       2.7,       0.0);         ( 399362.8,
3737131.9,       2.7,       2.7,       0.0);
     ( 399382.8, 3737131.9,       2.8,       2.8,       0.0);         ( 399402.8,
3737131.9,       2.7,       2.7,       0.0);
     ( 399422.8, 3737131.9,       2.8,       2.8,       0.0);         ( 399442.8,
3737131.9,       2.8,       2.8,       0.0);
     ( 399462.8, 3737131.9,       2.9,       2.9,       0.0);         ( 399482.8,
3737131.9,       3.0,       3.0,       0.0);
     ( 399502.8, 3737131.9,       3.0,       3.0,       0.0);         ( 399522.8,
3737131.9,       3.0,       3.0,       0.0);
     ( 399542.8, 3737131.9,       2.9,       2.9,       0.0);         ( 399562.8,
3737131.9,       2.9,       2.9,       0.0);
     ( 399582.8, 3737131.9,       3.3,       3.3,       0.0);         ( 399602.8,
3737131.9,       3.3,       3.3,       0.0);
     ( 399622.8, 3737131.9,       3.5,       3.5,       0.0);         ( 399642.8,
3737131.9,       3.5,       3.5,       0.0);
     ( 399662.8, 3737131.9,       3.6,       3.6,       0.0);         ( 399682.8,
3737131.9,       3.4,       3.4,       0.0);
     ( 399702.8, 3737131.9,       3.6,       3.6,       0.0);         ( 399722.8,
3737131.9,       3.6,       3.6,       0.0);
     ( 399742.8, 3737131.9,       3.6,       3.6,       0.0);         ( 399762.8,
3737131.9,       3.6,       3.6,       0.0);
     ( 399782.8, 3737131.9,       3.6,       3.6,       0.0);         ( 399802.8,
3737131.9,       3.6,       3.6,       0.0);
     ( 399822.8, 3737131.9,       3.6,       3.6,       0.0);         ( 399842.8,
3737131.9,       3.6,       3.6,       0.0);
     ( 399862.8, 3737131.9,       3.5,       3.5,       0.0);         ( 399882.8,
3737131.9,       3.4,       3.4,       0.0);
     ( 399902.8, 3737131.9,       3.3,       3.3,       0.0);         ( 399922.8,
3737131.9,       3.1,       3.1,       0.0);
     ( 399942.8, 3737131.9,       3.3,       3.3,       0.0);         ( 399962.8,
3737131.9,       3.2,       3.2,       0.0);
     ( 399982.8, 3737131.9,       3.2,       3.2,       0.0);         ( 400002.8,
3737131.9,       3.0,       3.0,       0.0);
     ( 400022.8, 3737131.9,       3.3,       3.3,       0.0);         ( 400042.8,
3737131.9,       3.4,       3.4,       0.0);
     ( 400062.8, 3737131.9,       3.2,       3.2,       0.0);         ( 400082.8,
3737131.9,       3.3,       3.3,       0.0);
     ( 400102.8, 3737131.9,       3.0,       3.0,       0.0);         ( 400122.8,
3737131.9,       2.9,       2.9,       0.0);
     ( 400142.8, 3737131.9,       2.8,       2.8,       0.0);         ( 400162.8,
3737131.9,       3.0,       3.0,       0.0);
     ( 400182.8, 3737131.9,       3.4,       3.4,       0.0);         ( 398682.8,
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3737151.9,   1.9,   2.6,   0.0);
     (398702.8, 3737151.9,   2.7,   2.7,   0.0);   (398722.8,
3737151.9,   2.4,   2.4,   0.0);
     (398742.8, 3737151.9,   2.3,   2.3,   0.0);   (398762.8,
3737151.9,   2.4,   2.4,   0.0);
     (398782.8, 3737151.9,   2.6,   2.6,   0.0);   (398802.8,
3737151.9,   2.9,   2.9,   0.0);
     (398822.8, 3737151.9,   2.8,   2.8,   0.0);   (398842.8,
3737151.9,   2.9,   2.9,   0.0);
     (398862.8, 3737151.9,   2.8,   2.8,   0.0);   (398882.8,
3737151.9,   2.8,   2.8,   0.0);
     (398902.8, 3737151.9,   2.8,   2.8,   0.0);   (398922.8,
3737151.9,   2.8,   2.8,   0.0);
     (398942.8, 3737151.9,   2.8,   2.8,   0.0);   (398962.8,
3737151.9,   2.9,   2.9,   0.0);
     (398982.8, 3737151.9,   2.7,   2.7,   0.0);   (399002.8,
3737151.9,   2.8,   2.8,   0.0);
     (399022.8, 3737151.9,   3.0,   3.0,   0.0);   (399042.8,
3737151.9,   3.1,   3.1,   0.0);
     (399062.8, 3737151.9,   3.0,   3.0,   0.0);   (399082.8,
3737151.9,   3.0,   3.0,   0.0);
     (399102.8, 3737151.9,   3.0,   3.0,   0.0);   (399122.8,
3737151.9,   3.1,   3.1,   0.0);
     (399142.8, 3737151.9,   3.0,   3.0,   0.0);   (399162.8,
3737151.9,   3.0,   3.0,   0.0);
     (399182.8, 3737151.9,   3.1,   3.1,   0.0);   (399202.8,
3737151.9,   3.0,   3.0,   0.0);
     (399222.8, 3737151.9,   2.7,   2.7,   0.0);   (399242.8,
3737151.9,   2.6,   2.6,   0.0);
     (399262.8, 3737151.9,   2.8,   2.8,   0.0);   (399282.8,
3737151.9,   2.9,   2.9,   0.0);

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                        (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                    (METERS)

     (399302.8, 3737151.9,   2.8,   2.8,   0.0);   (399322.8,
3737151.9,   2.8,   2.8,   0.0);
     (399342.8, 3737151.9,   2.8,   2.8,   0.0);   (399362.8,
3737151.9,   2.8,   2.8,   0.0);
     (399382.8, 3737151.9,   2.6,   2.6,   0.0);   (399402.8,
3737151.9,   2.8,   2.8,   0.0);
     (399422.8, 3737151.9,   2.9,   2.9,   0.0);   (399442.8,

```
3737151.9,       2.8,       2.8,       0.0);
     ( 399462.8, 3737151.9,       2.7,       2.7,       0.0);         ( 399482.8,
3737151.9,       2.8,       2.8,       0.0);
     ( 399502.8, 3737151.9,       3.0,       3.0,       0.0);         ( 399522.8,
3737151.9,       3.2,       3.2,       0.0);
     ( 399542.8, 3737151.9,       3.1,       3.1,       0.0);         ( 399562.8,
3737151.9,       3.2,       3.2,       0.0);
     ( 399582.8, 3737151.9,       3.3,       3.3,       0.0);         ( 399602.8,
3737151.9,       3.3,       3.3,       0.0);
     ( 399622.8, 3737151.9,       3.5,       3.5,       0.0);         ( 399642.8,
3737151.9,       3.6,       3.6,       0.0);
     ( 399662.8, 3737151.9,       3.4,       3.4,       0.0);         ( 399682.8,
3737151.9,       3.4,       3.4,       0.0);
     ( 399702.8, 3737151.9,       3.3,       3.3,       0.0);         ( 399722.8,
3737151.9,       3.4,       3.4,       0.0);
     ( 399742.8, 3737151.9,       3.5,       3.5,       0.0);         ( 399762.8,
3737151.9,       3.6,       3.6,       0.0);
     ( 399782.8, 3737151.9,       3.6,       3.6,       0.0);         ( 399802.8,
3737151.9,       3.7,       3.7,       0.0);
     ( 399822.8, 3737151.9,       3.6,       3.6,       0.0);         ( 399842.8,
3737151.9,       3.6,       3.6,       0.0);
     ( 399862.8, 3737151.9,       3.5,       3.5,       0.0);         ( 399882.8,
3737151.9,       3.5,       3.5,       0.0);
     ( 399902.8, 3737151.9,       3.5,       3.5,       0.0);         ( 399922.8,
3737151.9,       3.4,       3.4,       0.0);
     ( 399942.8, 3737151.9,       3.3,       3.3,       0.0);         ( 399962.8,
3737151.9,       3.3,       3.3,       0.0);
     ( 399982.8, 3737151.9,       3.0,       3.0,       0.0);         ( 400002.8,
3737151.9,       3.2,       3.2,       0.0);
     ( 400022.8, 3737151.9,       3.3,       3.3,       0.0);         ( 400042.8,
3737151.9,       3.5,       3.5,       0.0);
     ( 400062.8, 3737151.9,       3.4,       3.4,       0.0);         ( 400082.8,
3737151.9,       3.4,       3.4,       0.0);
     ( 400102.8, 3737151.9,       3.4,       3.4,       0.0);         ( 400122.8,
3737151.9,       3.0,       3.0,       0.0);
     ( 400142.8, 3737151.9,       2.9,       2.9,       0.0);         ( 400162.8,
3737151.9,       3.2,       3.2,       0.0);
     ( 400182.8, 3737151.9,       3.4,       3.4,       0.0);         ( 398682.8,
3737171.9,       2.7,       2.7,       0.0);
     ( 398702.8, 3737171.9,       2.6,       2.6,       0.0);         ( 398722.8,
3737171.9,       2.4,       2.4,       0.0);
     ( 398742.8, 3737171.9,       2.4,       2.4,       0.0);         ( 398762.8,
3737171.9,       2.4,       2.4,       0.0);
     ( 398782.8, 3737171.9,       2.6,       2.6,       0.0);         ( 398802.8,
3737171.9,       2.7,       2.7,       0.0);
     ( 398822.8, 3737171.9,       2.8,       2.8,       0.0);         ( 398842.8,
3737171.9,       2.8,       2.8,       0.0);
     ( 398862.8, 3737171.9,       2.7,       2.7,       0.0);         ( 398882.8,
3737171.9,       2.7,       2.7,       0.0);
     ( 398902.8, 3737171.9,       2.8,       2.8,       0.0);         ( 398922.8,
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3737171.9, 2.8, 2.8, 0.0);
     (398942.8, 3737171.9, 2.8, 2.8, 0.0); (398962.8,
3737171.9, 2.6, 2.6, 0.0);
     (398982.8, 3737171.9, 2.7, 2.7, 0.0); (399002.8,
3737171.9, 2.9, 2.9, 0.0);
     (399022.8, 3737171.9, 3.1, 3.1, 0.0); (399042.8,
3737171.9, 3.0, 3.0, 0.0);
     (399062.8, 3737171.9, 3.1, 3.1, 0.0); (399082.8,
3737171.9, 3.2, 3.2, 0.0);
     (399102.8, 3737171.9, 3.1, 3.1, 0.0); (399122.8,
3737171.9, 3.1, 3.1, 0.0);
     (399142.8, 3737171.9, 3.0, 3.0, 0.0); (399162.8,
3737171.9, 3.0, 3.0, 0.0);
     (399182.8, 3737171.9, 3.0, 3.0, 0.0); (399202.8,
3737171.9, 3.0, 3.0, 0.0);
     (399222.8, 3737171.9, 2.9, 2.9, 0.0); (399242.8,
3737171.9, 2.7, 2.7, 0.0);
     (399262.8, 3737171.9, 2.5, 2.5, 0.0); (399282.8,
3737171.9, 2.8, 2.8, 0.0);
     (399302.8, 3737171.9, 2.9, 2.9, 0.0); (399322.8,
3737171.9, 2.9, 2.9, 0.0);
     (399342.8, 3737171.9, 2.9, 2.9, 0.0); (399362.8,
3737171.9, 2.7, 2.7, 0.0);
     (399382.8, 3737171.9, 2.7, 2.7, 0.0); (399402.8,
3737171.9, 2.9, 2.9, 0.0);
     (399422.8, 3737171.9, 2.9, 2.9, 0.0); (399442.8,
3737171.9, 2.8, 2.8, 0.0);
     (399462.8, 3737171.9, 2.7, 2.7, 0.0); (399482.8,
3737171.9, 2.8, 2.8, 0.0);
     (399502.8, 3737171.9, 2.9, 2.9, 0.0); (399522.8,
3737171.9, 3.0, 3.0, 0.0);
     (399542.8, 3737171.9, 3.2, 3.2, 0.0); (399562.8,
3737171.9, 3.2, 3.2, 0.0);

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                        (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                  (METERS)

     (399582.8, 3737171.9, 3.2, 3.2, 0.0); (399602.8,
3737171.9, 3.4, 3.4, 0.0);
     (399622.8, 3737171.9, 3.4, 3.4, 0.0); (399642.8,
3737171.9, 3.5, 3.5, 0.0);
     (399662.8, 3737171.9, 3.4, 3.4, 0.0); (399682.8,

```
3737171.9,       3.3,       3.3,       0.0);
     ( 399702.8, 3737171.9,       3.3,       3.3,       0.0);         ( 399722.8,
3737171.9,       3.3,       3.3,       0.0);
     ( 399742.8, 3737171.9,       3.3,       3.3,       0.0);         ( 399762.8,
3737171.9,       3.5,       3.5,       0.0);
     ( 399782.8, 3737171.9,       3.7,       3.7,       0.0);         ( 399802.8,
3737171.9,       3.6,       3.6,       0.0);
     ( 399822.8, 3737171.9,       3.7,       3.7,       0.0);         ( 399842.8,
3737171.9,       3.6,       3.6,       0.0);
     ( 399862.8, 3737171.9,       3.6,       3.6,       0.0);         ( 399882.8,
3737171.9,       3.6,       3.6,       0.0);
     ( 399902.8, 3737171.9,       3.5,       3.5,       0.0);         ( 399922.8,
3737171.9,       3.5,       3.5,       0.0);
     ( 399942.8, 3737171.9,       3.4,       3.4,       0.0);         ( 399962.8,
3737171.9,       3.1,       3.1,       0.0);
     ( 399982.8, 3737171.9,       3.1,       3.1,       0.0);         ( 400002.8,
3737171.9,       3.3,       3.3,       0.0);
     ( 400022.8, 3737171.9,       3.4,       3.4,       0.0);         ( 400042.8,
3737171.9,       3.4,       3.4,       0.0);
     ( 400062.8, 3737171.9,       3.5,       3.5,       0.0);         ( 400082.8,
3737171.9,       3.5,       3.5,       0.0);
     ( 400102.8, 3737171.9,       3.4,       3.4,       0.0);         ( 400122.8,
3737171.9,       3.4,       3.4,       0.0);
     ( 400142.8, 3737171.9,       3.4,       3.4,       0.0);         ( 400162.8,
3737171.9,       3.3,       3.3,       0.0);
     ( 400182.8, 3737171.9,       3.4,       3.4,       0.0);         ( 398682.8,
3737191.9,       2.7,       2.7,       0.0);
     ( 398702.8, 3737191.9,       2.6,       2.6,       0.0);         ( 398722.8,
3737191.9,       2.4,       2.4,       0.0);
     ( 398742.8, 3737191.9,       2.5,       2.5,       0.0);         ( 398762.8,
3737191.9,       2.4,       2.4,       0.0);
     ( 398782.8, 3737191.9,       2.7,       2.7,       0.0);         ( 398802.8,
3737191.9,       2.7,       2.7,       0.0);
     ( 398822.8, 3737191.9,       2.9,       2.9,       0.0);         ( 398842.8,
3737191.9,       2.8,       2.8,       0.0);
     ( 398862.8, 3737191.9,       2.7,       2.7,       0.0);         ( 398882.8,
3737191.9,       2.8,       2.8,       0.0);
     ( 398902.8, 3737191.9,       2.8,       2.8,       0.0);         ( 398922.8,
3737191.9,       2.9,       2.9,       0.0);
     ( 398942.8, 3737191.9,       2.8,       2.8,       0.0);         ( 398962.8,
3737191.9,       2.6,       2.6,       0.0);
     ( 398982.8, 3737191.9,       2.7,       2.7,       0.0);         ( 399002.8,
3737191.9,       2.8,       2.8,       0.0);
     ( 399022.8, 3737191.9,       3.0,       3.0,       0.0);         ( 399042.8,
3737191.9,       3.0,       3.0,       0.0);
     ( 399062.8, 3737191.9,       3.0,       3.0,       0.0);         ( 399082.8,
3737191.9,       3.0,       3.0,       0.0);
     ( 399102.8, 3737191.9,       3.0,       3.0,       0.0);         ( 399122.8,
3737191.9,       3.1,       3.1,       0.0);
     ( 399142.8, 3737191.9,       3.0,       3.0,       0.0);         ( 399162.8,
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3737191.9,   2.8,   2.8,   0.0);
     (399182.8, 3737191.9,   3.0,   3.0,   0.0);   (399202.8,
3737191.9,   3.0,   3.0,   0.0);
     (399222.8, 3737191.9,   3.0,   3.0,   0.0);   (399242.8,
3737191.9,   2.7,   2.7,   0.0);
     (399262.8, 3737191.9,   2.5,   2.5,   0.0);   (399282.8,
3737191.9,   2.5,   2.5,   0.0);
     (399302.8, 3737191.9,   2.7,   2.7,   0.0);   (399322.8,
3737191.9,   2.9,   2.9,   0.0);
     (399342.8, 3737191.9,   2.8,   2.8,   0.0);   (399362.8,
3737191.9,   2.6,   2.6,   0.0);
     (399382.8, 3737191.9,   2.9,   2.9,   0.0);   (399402.8,
3737191.9,   3.0,   3.0,   0.0);
     (399422.8, 3737191.9,   2.8,   2.8,   0.0);   (399442.8,
3737191.9,   2.8,   2.8,   0.0);
     (399462.8, 3737191.9,   2.8,   2.8,   0.0);   (399482.8,
3737191.9,   3.0,   3.0,   0.0);
     (399502.8, 3737191.9,   3.2,   3.2,   0.0);   (399522.8,
3737191.9,   3.1,   3.1,   0.0);
     (399542.8, 3737191.9,   3.0,   3.0,   0.0);   (399562.8,
3737191.9,   3.1,   3.1,   0.0);
     (399582.8, 3737191.9,   3.3,   3.3,   0.0);   (399602.8,
3737191.9,   3.4,   3.4,   0.0);
     (399622.8, 3737191.9,   3.4,   3.4,   0.0);   (399642.8,
3737191.9,   3.4,   3.4,   0.0);
     (399662.8, 3737191.9,   3.5,   3.5,   0.0);   (399682.8,
3737191.9,   3.3,   3.3,   0.0);
     (399702.8, 3737191.9,   3.3,   3.3,   0.0);   (399722.8,
3737191.9,   3.2,   3.2,   0.0);
     (399742.8, 3737191.9,   3.3,   3.3,   0.0);   (399762.8,
3737191.9,   3.3,   3.3,   0.0);
     (399782.8, 3737191.9,   3.4,   3.4,   0.0);   (399802.8,
3737191.9,   3.5,   3.5,   0.0);
     (399822.8, 3737191.9,   3.7,   3.7,   0.0);   (399842.8,
3737191.9,   3.6,   3.6,   0.0);

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                        (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                    (METERS)

     (399862.8, 3737191.9,   3.6,   3.6,   0.0);   (399882.8,
3737191.9,   3.7,   3.7,   0.0);
     (399902.8, 3737191.9,   3.6,   3.6,   0.0);   (399922.8,

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3737191.9,       3.4,       3.4,       0.0);
     ( 399942.8, 3737191.9,       3.2,       3.2,       0.0);         ( 399962.8,
3737191.9,       3.1,       3.1,       0.0);
     ( 399982.8, 3737191.9,       3.3,       3.3,       0.0);         ( 400002.8,
3737191.9,       3.4,       3.4,       0.0);
     ( 400022.8, 3737191.9,       3.5,       3.5,       0.0);         ( 400042.8,
3737191.9,       3.4,       3.4,       0.0);
     ( 400062.8, 3737191.9,       3.5,       3.5,       0.0);         ( 400082.8,
3737191.9,       3.4,       3.4,       0.0);
     ( 400102.8, 3737191.9,       3.4,       3.4,       0.0);         ( 400122.8,
3737191.9,       3.4,       3.4,       0.0);
     ( 400142.8, 3737191.9,       3.4,       3.4,       0.0);         ( 400162.8,
3737191.9,       3.3,       3.3,       0.0);
     ( 400182.8, 3737191.9,       3.4,       3.4,       0.0);         ( 398682.8,
3737211.9,       2.8,       2.8,       0.0);
     ( 398702.8, 3737211.9,       2.7,       2.7,       0.0);         ( 398722.8,
3737211.9,       2.7,       2.7,       0.0);
     ( 398742.8, 3737211.9,       2.8,       2.8,       0.0);         ( 398762.8,
3737211.9,       2.6,       2.6,       0.0);
     ( 398782.8, 3737211.9,       2.8,       2.8,       0.0);         ( 398802.8,
3737211.9,       2.8,       2.8,       0.0);
     ( 398822.8, 3737211.9,       2.8,       2.8,       0.0);         ( 398842.8,
3737211.9,       2.8,       2.8,       0.0);
     ( 398862.8, 3737211.9,       2.8,       2.8,       0.0);         ( 398882.8,
3737211.9,       2.8,       2.8,       0.0);
     ( 398902.8, 3737211.9,       2.8,       2.8,       0.0);         ( 398922.8,
3737211.9,       2.8,       2.8,       0.0);
     ( 398942.8, 3737211.9,       2.8,       2.8,       0.0);         ( 398962.8,
3737211.9,       2.8,       2.8,       0.0);
     ( 398982.8, 3737211.9,       2.7,       2.7,       0.0);         ( 399002.8,
3737211.9,       2.7,       2.7,       0.0);
     ( 399022.8, 3737211.9,       2.7,       2.7,       0.0);         ( 399042.8,
3737211.9,       2.8,       2.8,       0.0);
     ( 399062.8, 3737211.9,       3.1,       3.1,       0.0);         ( 399082.8,
3737211.9,       3.0,       3.0,       0.0);
     ( 399102.8, 3737211.9,       3.0,       3.0,       0.0);         ( 399122.8,
3737211.9,       3.0,       3.0,       0.0);
     ( 399142.8, 3737211.9,       3.0,       3.0,       0.0);         ( 399162.8,
3737211.9,       2.8,       2.8,       0.0);
     ( 399182.8, 3737211.9,       2.9,       2.9,       0.0);         ( 399202.8,
3737211.9,       3.0,       3.0,       0.0);
     ( 399222.8, 3737211.9,       2.9,       2.9,       0.0);         ( 399242.8,
3737211.9,       2.6,       2.6,       0.0);
     ( 399262.8, 3737211.9,       2.5,       2.5,       0.0);         ( 399282.8,
3737211.9,       2.5,       2.5,       0.0);
     ( 399302.8, 3737211.9,       2.7,       2.7,       0.0);         ( 399322.8,
3737211.9,       2.6,       2.6,       0.0);
     ( 399342.8, 3737211.9,       2.6,       2.6,       0.0);         ( 399362.8,
3737211.9,       2.7,       2.7,       0.0);
     ( 399382.8, 3737211.9,       3.2,       3.2,       0.0);         ( 399402.8,
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```
3737211.9,       3.2,       3.2,       0.0);
     ( 399422.8, 3737211.9,       3.0,       3.0,       0.0);         ( 399442.8,
3737211.9,       2.9,       2.9,       0.0);
     ( 399462.8, 3737211.9,       3.0,       3.0,       0.0);         ( 399482.8,
3737211.9,       3.3,       3.3,       0.0);
     ( 399502.8, 3737211.9,       3.2,       3.2,       0.0);         ( 399522.8,
3737211.9,       3.3,       3.3,       0.0);
     ( 399542.8, 3737211.9,       3.1,       3.1,       0.0);         ( 399562.8,
3737211.9,       3.0,       3.0,       0.0);
     ( 399582.8, 3737211.9,       3.1,       3.1,       0.0);         ( 399602.8,
3737211.9,       3.3,       3.3,       0.0);
     ( 399622.8, 3737211.9,       3.3,       3.3,       0.0);         ( 399642.8,
3737211.9,       3.4,       3.4,       0.0);
     ( 399662.8, 3737211.9,       3.4,       3.4,       0.0);         ( 399682.8,
3737211.9,       3.4,       3.4,       0.0);
     ( 399702.8, 3737211.9,       3.3,       3.3,       0.0);         ( 399722.8,
3737211.9,       3.3,       3.3,       0.0);
     ( 399742.8, 3737211.9,       3.3,       3.3,       0.0);         ( 399762.8,
3737211.9,       3.3,       3.3,       0.0);
     ( 399782.8, 3737211.9,       3.4,       3.4,       0.0);         ( 399802.8,
3737211.9,       3.5,       3.5,       0.0);
     ( 399822.8, 3737211.9,       3.7,       3.7,       0.0);         ( 399842.8,
3737211.9,       3.7,       3.7,       0.0);
     ( 399862.8, 3737211.9,       3.6,       3.6,       0.0);         ( 399882.8,
3737211.9,       3.6,       3.6,       0.0);
     ( 399902.8, 3737211.9,       3.5,       3.5,       0.0);         ( 399922.8,
3737211.9,       3.5,       3.5,       0.0);
     ( 399942.8, 3737211.9,       3.2,       3.2,       0.0);         ( 399962.8,
3737211.9,       3.1,       3.1,       0.0);
     ( 399982.8, 3737211.9,       3.4,       3.4,       0.0);         ( 400002.8,
3737211.9,       3.4,       3.4,       0.0);
     ( 400022.8, 3737211.9,       3.5,       3.5,       0.0);         ( 400042.8,
3737211.9,       3.4,       3.4,       0.0);
     ( 400062.8, 3737211.9,       3.5,       3.5,       0.0);         ( 400082.8,
3737211.9,       3.5,       3.5,       0.0);
     ( 400102.8, 3737211.9,       3.4,       3.4,       0.0);         ( 400122.8,
3737211.9,       3.4,       3.4,       0.0);
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***       10/21/20
 *** AERMET - VERSION  16216 ***   ***
                                   ***       10:15:03

                                      PAGE  54
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                                 *** DISCRETE CARTESIAN RECEPTORS ***
                                               (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                           (METERS)

     ( 400142.8, 3737211.9,       3.4,       3.4,       0.0);         ( 400162.8,
```

```
3737211.9,       3.5,       3.5,       0.0);
     ( 400182.8, 3737211.9,       3.5,       3.5,       0.0);         ( 398682.8,
3737231.9,       2.7,       2.7,       0.0);
     ( 398702.8, 3737231.9,       2.8,       2.8,       0.0);         ( 398722.8,
3737231.9,       2.7,       2.7,       0.0);
     ( 398742.8, 3737231.9,       2.7,       2.7,       0.0);         ( 398762.8,
3737231.9,       2.6,       2.6,       0.0);
     ( 398782.8, 3737231.9,       2.7,       2.7,       0.0);         ( 398802.8,
3737231.9,       2.8,       2.8,       0.0);
     ( 398822.8, 3737231.9,       2.9,       2.9,       0.0);         ( 398842.8,
3737231.9,       2.8,       2.8,       0.0);
     ( 398862.8, 3737231.9,       2.9,       2.9,       0.0);         ( 398882.8,
3737231.9,       2.9,       2.9,       0.0);
     ( 398902.8, 3737231.9,       2.9,       2.9,       0.0);         ( 398922.8,
3737231.9,       2.8,       2.8,       0.0);
     ( 398942.8, 3737231.9,       2.8,       2.8,       0.0);         ( 398962.8,
3737231.9,       2.9,       2.9,       0.0);
     ( 398982.8, 3737231.9,       2.9,       2.9,       0.0);         ( 399002.8,
3737231.9,       2.8,       2.8,       0.0);
     ( 399022.8, 3737231.9,       2.6,       2.6,       0.0);         ( 399042.8,
3737231.9,       2.8,       2.8,       0.0);
     ( 399062.8, 3737231.9,       3.1,       3.1,       0.0);         ( 399082.8,
3737231.9,       3.0,       3.0,       0.0);
     ( 399102.8, 3737231.9,       3.1,       3.1,       0.0);         ( 399122.8,
3737231.9,       2.9,       2.9,       0.0);
     ( 399142.8, 3737231.9,       2.7,       2.7,       0.0);         ( 399162.8,
3737231.9,       2.8,       2.8,       0.0);
     ( 399182.8, 3737231.9,       2.9,       2.9,       0.0);         ( 399202.8,
3737231.9,       3.0,       3.0,       0.0);
     ( 399222.8, 3737231.9,       3.0,       3.0,       0.0);         ( 399242.8,
3737231.9,       2.8,       2.8,       0.0);
     ( 399262.8, 3737231.9,       2.6,       2.6,       0.0);         ( 399282.8,
3737231.9,       2.7,       2.7,       0.0);
     ( 399302.8, 3737231.9,       2.9,       2.9,       0.0);         ( 399322.8,
3737231.9,       2.7,       2.7,       0.0);
     ( 399342.8, 3737231.9,       2.6,       2.6,       0.0);         ( 399362.8,
3737231.9,       3.1,       3.1,       0.0);
     ( 399382.8, 3737231.9,       3.1,       3.1,       0.0);         ( 399402.8,
3737231.9,       3.2,       3.2,       0.0);
     ( 399422.8, 3737231.9,       3.2,       3.2,       0.0);         ( 399442.8,
3737231.9,       3.1,       3.1,       0.0);
     ( 399462.8, 3737231.9,       3.2,       3.2,       0.0);         ( 399482.8,
3737231.9,       3.4,       3.4,       0.0);
     ( 399502.8, 3737231.9,       3.3,       3.3,       0.0);         ( 399522.8,
3737231.9,       3.2,       3.2,       0.0);
     ( 399542.8, 3737231.9,       3.2,       3.2,       0.0);         ( 399562.8,
3737231.9,       3.4,       3.4,       0.0);
     ( 399582.8, 3737231.9,       3.1,       3.1,       0.0);         ( 399602.8,
3737231.9,       3.0,       3.0,       0.0);
     ( 399622.8, 3737231.9,       3.2,       3.2,       0.0);         ( 399642.8,
```

```
3737231.9,       3.4,       3.4,       0.0);
     ( 399662.8, 3737231.9,       3.4,       3.4,       0.0);         ( 399682.8,
3737231.9,       3.4,       3.4,       0.0);
     ( 399702.8, 3737231.9,       3.3,       3.3,       0.0);         ( 399722.8,
3737231.9,       3.5,       3.5,       0.0);
     ( 399742.8, 3737231.9,       3.3,       3.3,       0.0);         ( 399762.8,
3737231.9,       3.3,       3.3,       0.0);
     ( 399782.8, 3737231.9,       3.4,       3.4,       0.0);         ( 399802.8,
3737231.9,       3.6,       3.6,       0.0);
     ( 399822.8, 3737231.9,       3.6,       3.6,       0.0);         ( 399842.8,
3737231.9,       3.7,       3.7,       0.0);
     ( 399862.8, 3737231.9,       3.5,       3.5,       0.0);         ( 399882.8,
3737231.9,       3.5,       3.5,       0.0);
     ( 399902.8, 3737231.9,       3.4,       3.4,       0.0);         ( 399922.8,
3737231.9,       3.3,       3.3,       0.0);
     ( 399942.8, 3737231.9,       3.1,       3.1,       0.0);         ( 399962.8,
3737231.9,       3.0,       3.0,       0.0);
     ( 399982.8, 3737231.9,       3.1,       3.1,       0.0);         ( 400002.8,
3737231.9,       3.3,       3.3,       0.0);
     ( 400022.8, 3737231.9,       3.5,       3.5,       0.0);         ( 400042.8,
3737231.9,       3.5,       3.5,       0.0);
     ( 400062.8, 3737231.9,       3.5,       3.5,       0.0);         ( 400082.8,
3737231.9,       3.5,       3.5,       0.0);
     ( 400102.8, 3737231.9,       3.3,       3.3,       0.0);         ( 400122.8,
3737231.9,       3.4,       3.4,       0.0);
     ( 400142.8, 3737231.9,       3.2,       3.2,       0.0);         ( 400162.8,
3737231.9,       3.2,       3.2,       0.0);
     ( 400182.8, 3737231.9,       3.5,       3.5,       0.0);         ( 398682.8,
3737251.9,       2.5,       2.5,       0.0);
     ( 398702.8, 3737251.9,       2.5,       2.5,       0.0);         ( 398722.8,
3737251.9,       2.6,       2.6,       0.0);
     ( 398742.8, 3737251.9,       2.8,       2.8,       0.0);         ( 398762.8,
3737251.9,       2.8,       2.8,       0.0);
     ( 398782.8, 3737251.9,       2.7,       2.7,       0.0);         ( 398802.8,
3737251.9,       2.8,       2.8,       0.0);
     ( 398822.8, 3737251.9,       2.8,       2.8,       0.0);         ( 398842.8,
3737251.9,       2.8,       2.8,       0.0);
     ( 398862.8, 3737251.9,       2.9,       2.9,       0.0);         ( 398882.8,
3737251.9,       2.8,       2.8,       0.0);
```


*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```
     ( 398902.8, 3737251.9,       2.8,       2.8,       0.0);         ( 398922.8,
3737251.9,       2.8,       2.8,       0.0);
     ( 398942.8, 3737251.9,       2.8,       2.8,       0.0);         ( 398962.8,
3737251.9,       2.7,       2.7,       0.0);
     ( 398982.8, 3737251.9,       2.8,       2.8,       0.0);         ( 399002.8,
3737251.9,       3.0,       3.0,       0.0);
     ( 399022.8, 3737251.9,       2.9,       2.9,       0.0);         ( 399042.8,
3737251.9,       2.9,       2.9,       0.0);
     ( 399062.8, 3737251.9,       3.0,       3.0,       0.0);         ( 399082.8,
3737251.9,       3.0,       3.0,       0.0);
     ( 399102.8, 3737251.9,       3.0,       3.0,       0.0);         ( 399122.8,
3737251.9,       2.9,       2.9,       0.0);
     ( 399142.8, 3737251.9,       2.9,       2.9,       0.0);         ( 399162.8,
3737251.9,       3.0,       3.0,       0.0);
     ( 399182.8, 3737251.9,       2.8,       2.8,       0.0);         ( 399202.8,
3737251.9,       2.9,       2.9,       0.0);
     ( 399222.8, 3737251.9,       3.0,       3.0,       0.0);         ( 399242.8,
3737251.9,       3.0,       3.0,       0.0);
     ( 399262.8, 3737251.9,       2.9,       2.9,       0.0);         ( 399282.8,
3737251.9,       2.9,       2.9,       0.0);
     ( 399302.8, 3737251.9,       2.9,       2.9,       0.0);         ( 399322.8,
3737251.9,       2.6,       2.6,       0.0);
     ( 399342.8, 3737251.9,       2.9,       2.9,       0.0);         ( 399362.8,
3737251.9,       3.1,       3.1,       0.0);
     ( 399382.8, 3737251.9,       3.1,       3.1,       0.0);         ( 399402.8,
3737251.9,       3.2,       3.2,       0.0);
     ( 399422.8, 3737251.9,       3.1,       3.1,       0.0);         ( 399442.8,
3737251.9,       3.2,       3.2,       0.0);
     ( 399462.8, 3737251.9,       3.3,       3.3,       0.0);         ( 399482.8,
3737251.9,       3.3,       3.3,       0.0);
     ( 399502.8, 3737251.9,       3.4,       3.4,       0.0);         ( 399522.8,
3737251.9,       3.2,       3.2,       0.0);
     ( 399542.8, 3737251.9,       3.3,       3.3,       0.0);         ( 399562.8,
3737251.9,       3.3,       3.3,       0.0);
     ( 399582.8, 3737251.9,       2.9,       2.9,       0.0);         ( 399602.8,
3737251.9,       2.9,       2.9,       0.0);
     ( 399622.8, 3737251.9,       3.0,       3.0,       0.0);         ( 399642.8,
3737251.9,       3.2,       3.2,       0.0);
     ( 399662.8, 3737251.9,       3.5,       3.5,       0.0);         ( 399682.8,
3737251.9,       3.2,       3.2,       0.0);
     ( 399702.8, 3737251.9,       3.3,       3.3,       0.0);         ( 399722.8,
3737251.9,       3.5,       3.5,       0.0);
     ( 399742.8, 3737251.9,       3.5,       3.5,       0.0);         ( 399762.8,
3737251.9,       3.5,       3.5,       0.0);
     ( 399782.8, 3737251.9,       3.5,       3.5,       0.0);         ( 399802.8,
3737251.9,       3.6,       3.6,       0.0);
     ( 399822.8, 3737251.9,       3.5,       3.5,       0.0);         ( 399842.8,
3737251.9,       3.5,       3.5,       0.0);
     ( 399862.8, 3737251.9,       3.2,       3.2,       0.0);         ( 399882.8,
```

3737251.9,   3.3,   3.3,   0.0);
     (399902.8, 3737251.9,   3.4,   3.4,   0.0);   (399922.8,
3737251.9,   3.2,   3.2,   0.0);
     (399942.8, 3737251.9,   3.1,   3.1,   0.0);   (399962.8,
3737251.9,   3.1,   3.1,   0.0);
     (399982.8, 3737251.9,   3.1,   3.1,   0.0);   (400002.8,
3737251.9,   3.1,   3.1,   0.0);
     (400022.8, 3737251.9,   3.2,   3.2,   0.0);   (400042.8,
3737251.9,   3.5,   3.5,   0.0);
     (400062.8, 3737251.9,   3.5,   3.5,   0.0);   (400082.8,
3737251.9,   3.4,   3.4,   0.0);
     (400102.8, 3737251.9,   3.4,   3.4,   0.0);   (400122.8,
3737251.9,   3.4,   3.4,   0.0);
     (400142.8, 3737251.9,   3.1,   3.1,   0.0);   (400162.8,
3737251.9,   3.2,   3.2,   0.0);
     (400182.8, 3737251.9,   3.5,   3.5,   0.0);   (398682.8,
3737271.9,   2.6,   2.6,   0.0);
     (398702.8, 3737271.9,   2.6,   2.6,   0.0);   (398722.8,
3737271.9,   2.6,   2.6,   0.0);
     (398742.8, 3737271.9,   2.8,   2.8,   0.0);   (398762.8,
3737271.9,   2.9,   2.9,   0.0);
     (398782.8, 3737271.9,   2.6,   2.6,   0.0);   (398802.8,
3737271.9,   2.9,   2.9,   0.0);
     (398822.8, 3737271.9,   2.8,   2.8,   0.0);   (398842.8,
3737271.9,   2.6,   2.6,   0.0);
     (398862.8, 3737271.9,   2.5,   2.5,   0.0);   (398882.8,
3737271.9,   2.6,   2.6,   0.0);
     (398902.8, 3737271.9,   2.7,   2.7,   0.0);   (398922.8,
3737271.9,   2.8,   2.8,   0.0);
     (398942.8, 3737271.9,   2.9,   2.9,   0.0);   (398962.8,
3737271.9,   2.8,   2.8,   0.0);
     (398982.8, 3737271.9,   2.8,   2.8,   0.0);   (399002.8,
3737271.9,   2.9,   2.9,   0.0);
     (399022.8, 3737271.9,   3.0,   3.0,   0.0);   (399042.8,
3737271.9,   3.0,   3.0,   0.0);
     (399062.8, 3737271.9,   2.9,   2.9,   0.0);   (399082.8,
3737271.9,   2.7,   2.7,   0.0);
     (399102.8, 3737271.9,   2.8,   2.8,   0.0);   (399122.8,
3737271.9,   3.0,   3.0,   0.0);
     (399142.8, 3737271.9,   3.0,   3.0,   0.0);   (399162.8,
3737271.9,   3.0,   3.0,   0.0);

                                                *** DISCRETE CARTESIAN RECEPTORS ***

(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(399182.8, 3737271.9, 3.0, 3.0, 0.0); (399202.8, 3737271.9, 3.0, 3.0, 0.0);
(399222.8, 3737271.9, 3.1, 3.1, 0.0); (399242.8, 3737271.9, 3.1, 3.1, 0.0);
(399262.8, 3737271.9, 3.1, 3.1, 0.0); (399282.8, 3737271.9, 3.0, 3.0, 0.0);
(399302.8, 3737271.9, 2.7, 2.7, 0.0); (399322.8, 3737271.9, 2.7, 2.7, 0.0);
(399342.8, 3737271.9, 3.0, 3.0, 0.0); (399362.8, 3737271.9, 3.1, 3.1, 0.0);
(399382.8, 3737271.9, 3.1, 3.1, 0.0); (399402.8, 3737271.9, 3.2, 3.2, 0.0);
(399422.8, 3737271.9, 3.2, 3.2, 0.0); (399442.8, 3737271.9, 3.2, 3.2, 0.0);
(399462.8, 3737271.9, 3.2, 3.2, 0.0); (399482.8, 3737271.9, 3.3, 3.3, 0.0);
(399502.8, 3737271.9, 3.5, 3.5, 0.0); (399522.8, 3737271.9, 3.3, 3.3, 0.0);
(399542.8, 3737271.9, 3.4, 3.4, 0.0); (399562.8, 3737271.9, 3.1, 3.1, 0.0);
(399582.8, 3737271.9, 3.0, 3.0, 0.0); (399602.8, 3737271.9, 3.0, 3.0, 0.0);
(399622.8, 3737271.9, 3.1, 3.1, 0.0); (399642.8, 3737271.9, 3.3, 3.3, 0.0);
(399662.8, 3737271.9, 3.1, 3.1, 0.0); (399682.8, 3737271.9, 3.1, 3.1, 0.0);
(399702.8, 3737271.9, 3.5, 3.5, 0.0); (399722.8, 3737271.9, 3.5, 3.5, 0.0);
(399742.8, 3737271.9, 3.5, 3.5, 0.0); (399762.8, 3737271.9, 3.6, 3.6, 0.0);
(399782.8, 3737271.9, 3.6, 3.6, 0.0); (399802.8, 3737271.9, 3.6, 3.6, 0.0);
(399822.8, 3737271.9, 3.4, 3.4, 0.0); (399842.8, 3737271.9, 3.3, 3.3, 0.0);
(399862.8, 3737271.9, 3.2, 3.2, 0.0); (399882.8, 3737271.9, 3.1, 3.1, 0.0);
(399902.8, 3737271.9, 3.1, 3.1, 0.0); (399922.8, 3737271.9, 3.3, 3.3, 0.0);
(399942.8, 3737271.9, 3.4, 3.4, 0.0); (399962.8, 3737271.9, 3.2, 3.2, 0.0);
(399982.8, 3737271.9, 3.1, 3.1, 0.0); (400002.8, 3737271.9, 3.1, 3.1, 0.0);
(400022.8, 3737271.9, 3.2, 3.2, 0.0); (400042.8, 3737271.9, 3.2, 3.2, 0.0);
(400062.8, 3737271.9, 3.5, 3.5, 0.0); (400082.8, 3737271.9, 3.4, 3.4, 0.0);
(400102.8, 3737271.9, 3.4, 3.4, 0.0); (400122.8,

```
3737271.9,       3.5,       3.5,       0.0);
     ( 400142.8, 3737271.9,       3.2,       3.2,       0.0);         ( 400162.8,
3737271.9,       3.2,       3.2,       0.0);
     ( 400182.8, 3737271.9,       3.7,       3.7,       0.0);         ( 398682.8,
3737291.9,       2.7,       2.7,       0.0);
     ( 398702.8, 3737291.9,       2.6,       2.6,       0.0);         ( 398722.8,
3737291.9,       2.6,       2.6,       0.0);
     ( 398742.8, 3737291.9,       2.8,       2.8,       0.0);         ( 398762.8,
3737291.9,       2.9,       2.9,       0.0);
     ( 398782.8, 3737291.9,       2.6,       2.6,       0.0);         ( 398802.8,
3737291.9,       2.9,       2.9,       0.0);
     ( 398822.8, 3737291.9,       2.7,       2.7,       0.0);         ( 398842.8,
3737291.9,       2.6,       2.6,       0.0);
     ( 398862.8, 3737291.9,       2.5,       2.5,       0.0);         ( 398882.8,
3737291.9,       2.5,       2.5,       0.0);
     ( 398902.8, 3737291.9,       2.5,       2.5,       0.0);         ( 398922.8,
3737291.9,       2.7,       2.7,       0.0);
     ( 398942.8, 3737291.9,       2.9,       2.9,       0.0);         ( 398962.8,
3737291.9,       2.9,       2.9,       0.0);
     ( 398982.8, 3737291.9,       2.9,       2.9,       0.0);         ( 399002.8,
3737291.9,       3.0,       3.0,       0.0);
     ( 399022.8, 3737291.9,       2.9,       2.9,       0.0);         ( 399042.8,
3737291.9,       2.9,       2.9,       0.0);
     ( 399062.8, 3737291.9,       2.7,       2.7,       0.0);         ( 399082.8,
3737291.9,       2.6,       2.6,       0.0);
     ( 399102.8, 3737291.9,       2.8,       2.8,       0.0);         ( 399122.8,
3737291.9,       3.0,       3.0,       0.0);
     ( 399142.8, 3737291.9,       3.0,       3.0,       0.0);         ( 399162.8,
3737291.9,       3.0,       3.0,       0.0);
     ( 399182.8, 3737291.9,       3.0,       3.0,       0.0);         ( 399202.8,
3737291.9,       3.0,       3.0,       0.0);
     ( 399222.8, 3737291.9,       3.1,       3.1,       0.0);         ( 399242.8,
3737291.9,       3.1,       3.1,       0.0);
     ( 399262.8, 3737291.9,       3.0,       3.0,       0.0);         ( 399282.8,
3737291.9,       2.9,       2.9,       0.0);
     ( 399302.8, 3737291.9,       2.7,       2.7,       0.0);         ( 399322.8,
3737291.9,       3.1,       3.1,       0.0);
     ( 399342.8, 3737291.9,       3.0,       3.0,       0.0);         ( 399362.8,
3737291.9,       3.1,       3.1,       0.0);
     ( 399382.8, 3737291.9,       3.1,       3.1,       0.0);         ( 399402.8,
3737291.9,       3.2,       3.2,       0.0);
     ( 399422.8, 3737291.9,       3.3,       3.3,       0.0);         ( 399442.8,
3737291.9,       3.2,       3.2,       0.0);
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                                   ***        10:15:03

                                   PAGE  57
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
```

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(399462.8, 3737291.9, 3.3, 3.3, 0.0); (399482.8, 3737291.9, 3.2, 3.2, 0.0);
(399502.8, 3737291.9, 3.4, 3.4, 0.0); (399522.8, 3737291.9, 3.3, 3.3, 0.0);
(399542.8, 3737291.9, 3.5, 3.5, 0.0); (399562.8, 3737291.9, 3.4, 3.4, 0.0);
(399582.8, 3737291.9, 3.0, 3.0, 0.0); (399602.8, 3737291.9, 3.0, 3.0, 0.0);
(399622.8, 3737291.9, 3.4, 3.4, 0.0); (399642.8, 3737291.9, 3.4, 3.4, 0.0);
(399662.8, 3737291.9, 3.4, 3.4, 0.0); (399682.8, 3737291.9, 3.2, 3.2, 0.0);
(399702.8, 3737291.9, 3.2, 3.2, 0.0); (399722.8, 3737291.9, 3.5, 3.5, 0.0);
(399742.8, 3737291.9, 3.5, 3.5, 0.0); (399762.8, 3737291.9, 3.6, 3.6, 0.0);
(399782.8, 3737291.9, 3.6, 3.6, 0.0); (399802.8, 3737291.9, 3.6, 3.6, 0.0);
(399822.8, 3737291.9, 3.5, 3.5, 0.0); (399842.8, 3737291.9, 3.3, 3.3, 0.0);
(399862.8, 3737291.9, 3.2, 3.2, 0.0); (399882.8, 3737291.9, 3.1, 3.1, 0.0);
(399902.8, 3737291.9, 3.2, 3.2, 0.0); (399922.8, 3737291.9, 3.6, 3.6, 0.0);
(399942.8, 3737291.9, 3.5, 3.5, 0.0); (399962.8, 3737291.9, 3.6, 3.6, 0.0);
(399982.8, 3737291.9, 3.4, 3.4, 0.0); (400002.8, 3737291.9, 3.2, 3.2, 0.0);
(400022.8, 3737291.9, 3.2, 3.2, 0.0); (400042.8, 3737291.9, 3.3, 3.3, 0.0);
(400062.8, 3737291.9, 3.4, 3.4, 0.0); (400082.8, 3737291.9, 3.4, 3.4, 0.0);
(400102.8, 3737291.9, 3.4, 3.4, 0.0); (400122.8, 3737291.9, 3.4, 3.4, 0.0);
(400142.8, 3737291.9, 3.2, 3.2, 0.0); (400162.8, 3737291.9, 3.1, 3.1, 0.0);
(400182.8, 3737291.9, 3.7, 3.7, 0.0); (398682.8, 3737311.9, 2.7, 2.7, 0.0);
(398702.8, 3737311.9, 2.6, 2.6, 0.0); (398722.8, 3737311.9, 2.8, 2.8, 0.0);
(398742.8, 3737311.9, 3.1, 3.1, 0.0); (398762.8, 3737311.9, 2.9, 2.9, 0.0);
(398782.8, 3737311.9, 2.7, 2.7, 0.0); (398802.8, 3737311.9, 2.8, 2.8, 0.0);
(398822.8, 3737311.9, 2.8, 2.8, 0.0); (398842.8,

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3737311.9,       2.7,       2.7,       0.0);
     ( 398862.8, 3737311.9,       2.5,       2.5,       0.0);         ( 398882.8,
3737311.9,       2.5,       2.5,       0.0);
     ( 398902.8, 3737311.9,       2.4,       2.4,       0.0);         ( 398922.8,
3737311.9,       2.4,       2.4,       0.0);
     ( 398942.8, 3737311.9,       2.6,       2.6,       0.0);         ( 398962.8,
3737311.9,       2.9,       2.9,       0.0);
     ( 398982.8, 3737311.9,       3.0,       3.0,       0.0);         ( 399002.8,
3737311.9,       3.0,       3.0,       0.0);
     ( 399022.8, 3737311.9,       3.0,       3.0,       0.0);         ( 399042.8,
3737311.9,       2.8,       2.8,       0.0);
     ( 399062.8, 3737311.9,       2.6,       2.6,       0.0);         ( 399082.8,
3737311.9,       2.8,       2.8,       0.0);
     ( 399102.8, 3737311.9,       2.9,       2.9,       0.0);         ( 399122.8,
3737311.9,       2.9,       2.9,       0.0);
     ( 399142.8, 3737311.9,       2.9,       2.9,       0.0);         ( 399162.8,
3737311.9,       2.8,       2.8,       0.0);
     ( 399182.8, 3737311.9,       2.9,       2.9,       0.0);         ( 399202.8,
3737311.9,       3.1,       3.1,       0.0);
     ( 399222.8, 3737311.9,       3.0,       3.0,       0.0);         ( 399242.8,
3737311.9,       3.1,       3.1,       0.0);
     ( 399262.8, 3737311.9,       3.0,       3.0,       0.0);         ( 399282.8,
3737311.9,       2.7,       2.7,       0.0);
     ( 399302.8, 3737311.9,       2.9,       2.9,       0.0);         ( 399322.8,
3737311.9,       3.0,       3.0,       0.0);
     ( 399342.8, 3737311.9,       3.1,       3.1,       0.0);         ( 399362.8,
3737311.9,       3.1,       3.1,       0.0);
     ( 399382.8, 3737311.9,       3.0,       3.0,       0.0);         ( 399402.8,
3737311.9,       3.2,       3.2,       0.0);
     ( 399422.8, 3737311.9,       3.2,       3.2,       0.0);         ( 399442.8,
3737311.9,       3.3,       3.3,       0.0);
     ( 399462.8, 3737311.9,       3.3,       3.3,       0.0);         ( 399482.8,
3737311.9,       3.5,       3.5,       0.0);
     ( 399502.8, 3737311.9,       3.5,       3.5,       0.0);         ( 399522.8,
3737311.9,       3.4,       3.4,       0.0);
     ( 399542.8, 3737311.9,       3.5,       3.5,       0.0);         ( 399562.8,
3737311.9,       3.4,       3.4,       0.0);
     ( 399582.8, 3737311.9,       3.2,       3.2,       0.0);         ( 399602.8,
3737311.9,       3.3,       3.3,       0.0);
     ( 399622.8, 3737311.9,       3.6,       3.6,       0.0);         ( 399642.8,
3737311.9,       3.5,       3.5,       0.0);
     ( 399662.8, 3737311.9,       3.4,       3.4,       0.0);         ( 399682.8,
3737311.9,       3.4,       3.4,       0.0);
     ( 399702.8, 3737311.9,       3.4,       3.4,       0.0);         ( 399722.8,
3737311.9,       3.2,       3.2,       0.0);
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                                   ***        10:15:03
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(399742.8, 3737311.9, 3.3, 3.3, 0.0); (399762.8, 3737311.9, 3.5, 3.5, 0.0);
(399782.8, 3737311.9, 3.6, 3.6, 0.0); (399802.8, 3737311.9, 3.5, 3.5, 0.0);
(399822.8, 3737311.9, 3.6, 3.6, 0.0); (399842.8, 3737311.9, 3.5, 3.5, 0.0);
(399862.8, 3737311.9, 3.4, 3.4, 0.0); (399882.8, 3737311.9, 3.2, 3.2, 0.0);
(399902.8, 3737311.9, 3.4, 3.4, 0.0); (399922.8, 3737311.9, 3.5, 3.5, 0.0);
(399942.8, 3737311.9, 3.7, 3.7, 0.0); (399962.8, 3737311.9, 3.7, 3.7, 0.0);
(399982.8, 3737311.9, 3.7, 3.7, 0.0); (400002.8, 3737311.9, 3.5, 3.5, 0.0);
(400022.8, 3737311.9, 3.5, 3.5, 0.0); (400042.8, 3737311.9, 3.5, 3.5, 0.0);
(400062.8, 3737311.9, 3.3, 3.3, 0.0); (400082.8, 3737311.9, 3.2, 3.2, 0.0);
(400102.8, 3737311.9, 3.2, 3.2, 0.0); (400122.8, 3737311.9, 3.2, 3.2, 0.0);
(400142.8, 3737311.9, 3.1, 3.1, 0.0); (400162.8, 3737311.9, 3.1, 3.1, 0.0);
(400182.8, 3737311.9, 3.6, 3.6, 0.0); (398682.8, 3737331.9, 2.8, 2.8, 0.0);
(398702.8, 3737331.9, 2.8, 2.8, 0.0); (398722.8, 3737331.9, 3.1, 3.1, 0.0);
(398742.8, 3737331.9, 3.1, 3.1, 0.0); (398762.8, 3737331.9, 3.0, 3.0, 0.0);
(398782.8, 3737331.9, 2.9, 2.9, 0.0); (398802.8, 3737331.9, 2.8, 2.8, 0.0);
(398822.8, 3737331.9, 2.9, 2.9, 0.0); (398842.8, 3737331.9, 2.9, 2.9, 0.0);
(398862.8, 3737331.9, 2.7, 2.7, 0.0); (398882.8, 3737331.9, 2.5, 2.5, 0.0);
(398902.8, 3737331.9, 2.5, 2.5, 0.0); (398922.8, 3737331.9, 2.5, 2.5, 0.0);
(398942.8, 3737331.9, 2.5, 2.5, 0.0); (398962.8, 3737331.9, 2.6, 2.6, 0.0);
(398982.8, 3737331.9, 2.9, 2.9, 0.0); (399002.8, 3737331.9, 2.9, 2.9, 0.0);
(399022.8, 3737331.9, 3.0, 3.0, 0.0); (399042.8, 3737331.9, 2.8, 2.8, 0.0);
(399062.8, 3737331.9, 2.7, 2.7, 0.0); (399082.8,

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3737331.9,       2.9,       2.9,       0.0);
     ( 399102.8, 3737331.9,       3.0,       3.0,       0.0);         ( 399122.8,
3737331.9,       3.0,       3.0,       0.0);
     ( 399142.8, 3737331.9,       2.9,       2.9,       0.0);         ( 399162.8,
3737331.9,       2.6,       2.6,       0.0);
     ( 399182.8, 3737331.9,       2.7,       2.7,       0.0);         ( 399202.8,
3737331.9,       2.8,       2.8,       0.0);
     ( 399222.8, 3737331.9,       3.0,       3.0,       0.0);         ( 399242.8,
3737331.9,       3.0,       3.0,       0.0);
     ( 399262.8, 3737331.9,       2.8,       2.8,       0.0);         ( 399282.8,
3737331.9,       2.7,       2.7,       0.0);
     ( 399302.8, 3737331.9,       3.0,       3.0,       0.0);         ( 399322.8,
3737331.9,       3.2,       3.2,       0.0);
     ( 399342.8, 3737331.9,       3.1,       3.1,       0.0);         ( 399362.8,
3737331.9,       3.0,       3.0,       0.0);
     ( 399382.8, 3737331.9,       2.8,       2.8,       0.0);         ( 399402.8,
3737331.9,       2.9,       2.9,       0.0);
     ( 399422.8, 3737331.9,       3.1,       3.1,       0.0);         ( 399442.8,
3737331.9,       3.2,       3.2,       0.0);
     ( 399462.8, 3737331.9,       3.3,       3.3,       0.0);         ( 399482.8,
3737331.9,       3.5,       3.5,       0.0);
     ( 399502.8, 3737331.9,       3.4,       3.4,       0.0);         ( 399522.8,
3737331.9,       3.4,       3.4,       0.0);
     ( 399542.8, 3737331.9,       3.4,       3.4,       0.0);         ( 399562.8,
3737331.9,       3.5,       3.5,       0.0);
     ( 399582.8, 3737331.9,       3.5,       3.5,       0.0);         ( 399602.8,
3737331.9,       3.7,       3.7,       0.0);
     ( 399622.8, 3737331.9,       3.4,       3.4,       0.0);         ( 399642.8,
3737331.9,       3.5,       3.5,       0.0);
     ( 399662.8, 3737331.9,       3.6,       3.6,       0.0);         ( 399682.8,
3737331.9,       3.6,       3.6,       0.0);
     ( 399702.8, 3737331.9,       3.5,       3.5,       0.0);         ( 399722.8,
3737331.9,       3.5,       3.5,       0.0);
     ( 399742.8, 3737331.9,       3.3,       3.3,       0.0);         ( 399762.8,
3737331.9,       3.2,       3.2,       0.0);
     ( 399782.8, 3737331.9,       3.4,       3.4,       0.0);         ( 399802.8,
3737331.9,       3.5,       3.5,       0.0);
     ( 399822.8, 3737331.9,       3.5,       3.5,       0.0);         ( 399842.8,
3737331.9,       3.6,       3.6,       0.0);
     ( 399862.8, 3737331.9,       3.3,       3.3,       0.0);         ( 399882.8,
3737331.9,       3.4,       3.4,       0.0);
     ( 399902.8, 3737331.9,       3.7,       3.7,       0.0);         ( 399922.8,
3737331.9,       3.7,       3.7,       0.0);
     ( 399942.8, 3737331.9,       3.8,       3.8,       0.0);         ( 399962.8,
3737331.9,       3.9,       3.9,       0.0);
     ( 399982.8, 3737331.9,       3.8,       3.8,       0.0);         ( 400002.8,
3737331.9,       3.6,       3.6,       0.0);
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(400022.8, 3737331.9, 3.7, 3.7, 0.0); (400042.8, 3737331.9, 3.6, 3.6, 0.0);
(400062.8, 3737331.9, 3.6, 3.6, 0.0); (400082.8, 3737331.9, 3.4, 3.4, 0.0);
(400102.8, 3737331.9, 3.3, 3.3, 0.0); (400122.8, 3737331.9, 3.3, 3.3, 0.0);
(400142.8, 3737331.9, 3.2, 3.2, 0.0); (400162.8, 3737331.9, 3.2, 3.2, 0.0);
(400182.8, 3737331.9, 3.5, 3.5, 0.0); (398682.8, 3737351.9, 2.9, 2.9, 0.0);
(398702.8, 3737351.9, 2.9, 2.9, 0.0); (398722.8, 3737351.9, 3.1, 3.1, 0.0);
(398742.8, 3737351.9, 3.1, 3.1, 0.0); (398762.8, 3737351.9, 3.1, 3.1, 0.0);
(398782.8, 3737351.9, 3.1, 3.1, 0.0); (398802.8, 3737351.9, 3.1, 3.1, 0.0);
(398822.8, 3737351.9, 2.8, 2.8, 0.0); (398842.8, 3737351.9, 2.8, 2.8, 0.0);
(398862.8, 3737351.9, 2.8, 2.8, 0.0); (398882.8, 3737351.9, 2.8, 2.8, 0.0);
(398902.8, 3737351.9, 2.6, 2.6, 0.0); (398922.8, 3737351.9, 2.5, 2.5, 0.0);
(398942.8, 3737351.9, 2.5, 2.5, 0.0); (398962.8, 3737351.9, 2.8, 2.8, 0.0);
(398982.8, 3737351.9, 3.0, 3.0, 0.0); (399002.8, 3737351.9, 3.0, 3.0, 0.0);
(399022.8, 3737351.9, 2.8, 2.8, 0.0); (399042.8, 3737351.9, 2.9, 2.9, 0.0);
(399062.8, 3737351.9, 3.1, 3.1, 0.0); (399082.8, 3737351.9, 3.0, 3.0, 0.0);
(399102.8, 3737351.9, 3.0, 3.0, 0.0); (399122.8, 3737351.9, 2.9, 2.9, 0.0);
(399142.8, 3737351.9, 2.7, 2.7, 0.0); (399162.8, 3737351.9, 2.7, 2.7, 0.0);
(399182.8, 3737351.9, 2.7, 2.7, 0.0); (399202.8, 3737351.9, 2.7, 2.7, 0.0);
(399222.8, 3737351.9, 3.0, 3.0, 0.0); (399242.8, 3737351.9, 2.9, 2.9, 0.0);
(399262.8, 3737351.9, 2.8, 2.8, 0.0); (399282.8, 3737351.9, 2.9, 2.9, 0.0);
(399302.8, 3737351.9, 2.8, 2.8, 0.0); (399322.8,

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3737351.9,       2.9,       2.9,       0.0);
     ( 399342.8, 3737351.9,       3.0,       3.0,       0.0);         ( 399362.8,
3737351.9,       2.8,       2.8,       0.0);
     ( 399382.8, 3737351.9,       2.8,       2.8,       0.0);         ( 399402.8,
3737351.9,       2.8,       2.8,       0.0);
     ( 399422.8, 3737351.9,       2.8,       2.8,       0.0);         ( 399442.8,
3737351.9,       2.9,       2.9,       0.0);
     ( 399462.8, 3737351.9,       3.5,       3.5,       0.0);         ( 399482.8,
3737351.9,       3.4,       3.4,       0.0);
     ( 399502.8, 3737351.9,       3.5,       3.5,       0.0);         ( 399522.8,
3737351.9,       3.5,       3.5,       0.0);
     ( 399542.8, 3737351.9,       3.4,       3.4,       0.0);         ( 399562.8,
3737351.9,       3.3,       3.3,       0.0);
     ( 399582.8, 3737351.9,       3.3,       3.3,       0.0);         ( 399602.8,
3737351.9,       3.4,       3.4,       0.0);
     ( 399622.8, 3737351.9,       3.5,       3.5,       0.0);         ( 399642.8,
3737351.9,       3.4,       3.4,       0.0);
     ( 399662.8, 3737351.9,       3.5,       3.5,       0.0);         ( 399682.8,
3737351.9,       3.6,       3.6,       0.0);
     ( 399702.8, 3737351.9,       3.6,       3.6,       0.0);         ( 399722.8,
3737351.9,       3.5,       3.5,       0.0);
     ( 399742.8, 3737351.9,       3.3,       3.3,       0.0);         ( 399762.8,
3737351.9,       3.2,       3.2,       0.0);
     ( 399782.8, 3737351.9,       3.2,       3.2,       0.0);         ( 399802.8,
3737351.9,       3.4,       3.4,       0.0);
     ( 399822.8, 3737351.9,       3.5,       3.5,       0.0);         ( 399842.8,
3737351.9,       3.5,       3.5,       0.0);
     ( 399862.8, 3737351.9,       3.3,       3.3,       0.0);         ( 399882.8,
3737351.9,       3.8,       3.8,       0.0);
     ( 399902.8, 3737351.9,       4.0,       4.0,       0.0);         ( 399922.8,
3737351.9,       3.8,       3.8,       0.0);
     ( 399942.8, 3737351.9,       3.8,       3.8,       0.0);         ( 399962.8,
3737351.9,       3.8,       3.8,       0.0);
     ( 399982.8, 3737351.9,       3.8,       3.8,       0.0);         ( 400002.8,
3737351.9,       3.7,       3.7,       0.0);
     ( 400022.8, 3737351.9,       3.8,       3.8,       0.0);         ( 400042.8,
3737351.9,       3.8,       3.8,       0.0);
     ( 400062.8, 3737351.9,       3.6,       3.6,       0.0);         ( 400082.8,
3737351.9,       3.7,       3.7,       0.0);
     ( 400102.8, 3737351.9,       3.7,       3.7,       0.0);         ( 400122.8,
3737351.9,       3.6,       3.6,       0.0);
     ( 400142.8, 3737351.9,       3.7,       3.7,       0.0);         ( 400162.8,
3737351.9,       3.7,       3.7,       0.0);
     ( 400182.8, 3737351.9,       3.7,       3.7,       0.0);         ( 398682.8,
3737371.9,       2.9,       2.9,       0.0);
     ( 398702.8, 3737371.9,       3.0,       3.0,       0.0);         ( 398722.8,
3737371.9,       3.0,       3.0,       0.0);
     ( 398742.8, 3737371.9,       3.1,       3.1,       0.0);         ( 398762.8,
3737371.9,       3.2,       3.2,       0.0);
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(398782.8, 3737371.9, 3.1, 3.1, 0.0); (398802.8, 3737371.9, 3.1, 3.1, 0.0);
(398822.8, 3737371.9, 3.1, 3.1, 0.0); (398842.8, 3737371.9, 3.0, 3.0, 0.0);
(398862.8, 3737371.9, 2.8, 2.8, 0.0); (398882.8, 3737371.9, 2.9, 2.9, 0.0);
(398902.8, 3737371.9, 2.9, 2.9, 0.0); (398922.8, 3737371.9, 2.7, 2.7, 0.0);
(398942.8, 3737371.9, 2.7, 2.7, 0.0); (398962.8, 3737371.9, 3.0, 3.0, 0.0);
(398982.8, 3737371.9, 3.0, 3.0, 0.0); (399002.8, 3737371.9, 3.0, 3.0, 0.0);
(399022.8, 3737371.9, 2.8, 2.8, 0.0); (399042.8, 3737371.9, 3.1, 3.1, 0.0);
(399062.8, 3737371.9, 3.1, 3.1, 0.0); (399082.8, 3737371.9, 3.2, 3.2, 0.0);
(399102.8, 3737371.9, 3.0, 3.0, 0.0); (399122.8, 3737371.9, 2.9, 2.9, 0.0);
(399142.8, 3737371.9, 2.7, 2.7, 0.0); (399162.8, 3737371.9, 2.7, 2.7, 0.0);
(399182.8, 3737371.9, 2.8, 2.8, 0.0); (399202.8, 3737371.9, 2.9, 2.9, 0.0);
(399222.8, 3737371.9, 3.0, 3.0, 0.0); (399242.8, 3737371.9, 2.8, 2.8, 0.0);
(399262.8, 3737371.9, 2.9, 2.9, 0.0); (399282.8, 3737371.9, 3.0, 3.0, 0.0);
(399302.8, 3737371.9, 3.0, 3.0, 0.0); (399322.8, 3737371.9, 2.9, 2.9, 0.0);
(399342.8, 3737371.9, 2.8, 2.8, 0.0); (399362.8, 3737371.9, 2.8, 2.8, 0.0);
(399382.8, 3737371.9, 2.8, 2.8, 0.0); (399402.8, 3737371.9, 2.8, 2.8, 0.0);
(399422.8, 3737371.9, 2.8, 2.8, 0.0); (399442.8, 3737371.9, 3.2, 3.2, 0.0);
(399462.8, 3737371.9, 3.3, 3.3, 0.0); (399482.8, 3737371.9, 3.5, 3.5, 0.0);
(399502.8, 3737371.9, 3.5, 3.5, 0.0); (399522.8, 3737371.9, 3.5, 3.5, 0.0);
(399542.8, 3737371.9, 3.5, 3.5, 0.0); (399562.8,

```
3737371.9,       3.4,       3.4,       0.0);
     ( 399582.8, 3737371.9,       3.2,       3.2,       0.0);         ( 399602.8,
3737371.9,       3.4,       3.4,       0.0);
     ( 399622.8, 3737371.9,       3.6,       3.6,       0.0);         ( 399642.8,
3737371.9,       3.5,       3.5,       0.0);
     ( 399662.8, 3737371.9,       3.6,       3.6,       0.0);         ( 399682.8,
3737371.9,       3.6,       3.6,       0.0);
     ( 399702.8, 3737371.9,       3.6,       3.6,       0.0);         ( 399722.8,
3737371.9,       3.5,       3.5,       0.0);
     ( 399742.8, 3737371.9,       3.2,       3.2,       0.0);         ( 399762.8,
3737371.9,       3.2,       3.2,       0.0);
     ( 399782.8, 3737371.9,       3.2,       3.2,       0.0);         ( 399802.8,
3737371.9,       3.4,       3.4,       0.0);
     ( 399822.8, 3737371.9,       3.3,       3.3,       0.0);         ( 399842.8,
3737371.9,       3.3,       3.3,       0.0);
     ( 399862.8, 3737371.9,       3.6,       3.6,       0.0);         ( 399882.8,
3737371.9,       3.8,       3.8,       0.0);
     ( 399902.8, 3737371.9,       3.9,       3.9,       0.0);         ( 399922.8,
3737371.9,       3.9,       3.9,       0.0);
     ( 399942.8, 3737371.9,       3.9,       3.9,       0.0);         ( 399962.8,
3737371.9,       3.9,       3.9,       0.0);
     ( 399982.8, 3737371.9,       3.8,       3.8,       0.0);         ( 400002.8,
3737371.9,       3.8,       3.8,       0.0);
     ( 400022.8, 3737371.9,       3.7,       3.7,       0.0);         ( 400042.8,
3737371.9,       3.7,       3.7,       0.0);
     ( 400062.8, 3737371.9,       3.8,       3.8,       0.0);         ( 400082.8,
3737371.9,       3.7,       3.7,       0.0);
     ( 400102.8, 3737371.9,       3.8,       3.8,       0.0);         ( 400122.8,
3737371.9,       3.7,       3.7,       0.0);
     ( 400142.8, 3737371.9,       3.8,       3.8,       0.0);         ( 400162.8,
3737371.9,       3.8,       3.8,       0.0);
     ( 400182.8, 3737371.9,       3.9,       3.9,       0.0);         ( 398682.8,
3737391.9,       2.9,       2.9,       0.0);
     ( 398702.8, 3737391.9,       3.1,       3.1,       0.0);         ( 398722.8,
3737391.9,       3.1,       3.1,       0.0);
     ( 398742.8, 3737391.9,       3.1,       3.1,       0.0);         ( 398762.8,
3737391.9,       3.2,       3.2,       0.0);
     ( 398782.8, 3737391.9,       3.2,       3.2,       0.0);         ( 398802.8,
3737391.9,       3.1,       3.1,       0.0);
     ( 398822.8, 3737391.9,       3.1,       3.1,       0.0);         ( 398842.8,
3737391.9,       3.1,       3.1,       0.0);
     ( 398862.8, 3737391.9,       2.7,       2.7,       0.0);         ( 398882.8,
3737391.9,       2.7,       2.7,       0.0);
     ( 398902.8, 3737391.9,       2.8,       2.8,       0.0);         ( 398922.8,
3737391.9,       3.0,       3.0,       0.0);
     ( 398942.8, 3737391.9,       2.9,       2.9,       0.0);         ( 398962.8,
3737391.9,       2.9,       2.9,       0.0);
     ( 398982.8, 3737391.9,       3.0,       3.0,       0.0);         ( 399002.8,
3737391.9,       3.1,       3.1,       0.0);
     ( 399022.8, 3737391.9,       2.9,       2.9,       0.0);         ( 399042.8,
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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```
     ( 399062.8, 3737391.9,       3.1,       3.1,       0.0);         ( 399082.8,
3737391.9,       3.2,       3.2,       0.0);
     ( 399102.8, 3737391.9,       3.1,       3.1,       0.0);         ( 399122.8,
3737391.9,       2.8,       2.8,       0.0);
     ( 399142.8, 3737391.9,       2.7,       2.7,       0.0);         ( 399162.8,
3737391.9,       2.8,       2.8,       0.0);
     ( 399182.8, 3737391.9,       2.8,       2.8,       0.0);         ( 399202.8,
3737391.9,       3.0,       3.0,       0.0);
     ( 399222.8, 3737391.9,       2.9,       2.9,       0.0);         ( 399242.8,
3737391.9,       2.8,       2.8,       0.0);
     ( 399262.8, 3737391.9,       3.1,       3.1,       0.0);         ( 399282.8,
3737391.9,       3.2,       3.2,       0.0);
     ( 399302.8, 3737391.9,       3.1,       3.1,       0.0);         ( 399322.8,
3737391.9,       3.0,       3.0,       0.0);
     ( 399342.8, 3737391.9,       2.8,       2.8,       0.0);         ( 399362.8,
3737391.9,       2.7,       2.7,       0.0);
     ( 399382.8, 3737391.9,       2.7,       2.7,       0.0);         ( 399402.8,
3737391.9,       2.7,       2.7,       0.0);
     ( 399422.8, 3737391.9,       2.9,       2.9,       0.0);         ( 399442.8,
3737391.9,       3.3,       3.3,       0.0);
     ( 399462.8, 3737391.9,       3.3,       3.3,       0.0);         ( 399482.8,
3737391.9,       3.4,       3.4,       0.0);
     ( 399502.8, 3737391.9,       3.5,       3.5,       0.0);         ( 399522.8,
3737391.9,       3.5,       3.5,       0.0);
     ( 399542.8, 3737391.9,       3.5,       3.5,       0.0);         ( 399562.8,
3737391.9,       3.4,       3.4,       0.0);
     ( 399582.8, 3737391.9,       3.5,       3.5,       0.0);         ( 399602.8,
3737391.9,       3.4,       3.4,       0.0);
     ( 399622.8, 3737391.9,       3.5,       3.5,       0.0);         ( 399642.8,
3737391.9,       3.6,       3.6,       0.0);
     ( 399662.8, 3737391.9,       3.7,       3.7,       0.0);         ( 399682.8,
3737391.9,       3.7,       3.7,       0.0);
     ( 399702.8, 3737391.9,       3.7,       3.7,       0.0);         ( 399722.8,
3737391.9,       3.3,       3.3,       0.0);
     ( 399742.8, 3737391.9,       3.2,       3.2,       0.0);         ( 399762.8,
3737391.9,       3.2,       3.2,       0.0);
     ( 399782.8, 3737391.9,       3.3,       3.3,       0.0);         ( 399802.8,
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3737391.9,       3.6,       3.6,       0.0);
     ( 399822.8, 3737391.9,       3.4,       3.4,       0.0);         ( 399842.8,
3737391.9,       3.5,       3.5,       0.0);
     ( 399862.8, 3737391.9,       3.9,       3.9,       0.0);         ( 399882.8,
3737391.9,       4.0,       4.0,       0.0);
     ( 399902.8, 3737391.9,       4.0,       4.0,       0.0);         ( 399922.8,
3737391.9,       4.0,       4.0,       0.0);
     ( 399942.8, 3737391.9,       3.9,       3.9,       0.0);         ( 399962.8,
3737391.9,       3.9,       3.9,       0.0);
     ( 399982.8, 3737391.9,       3.8,       3.8,       0.0);         ( 400002.8,
3737391.9,       3.7,       3.7,       0.0);
     ( 400022.8, 3737391.9,       3.8,       3.8,       0.0);         ( 400042.8,
3737391.9,       3.8,       3.8,       0.0);
     ( 400062.8, 3737391.9,       3.8,       3.8,       0.0);         ( 400082.8,
3737391.9,       3.7,       3.7,       0.0);
     ( 400102.8, 3737391.9,       3.8,       3.8,       0.0);         ( 400122.8,
3737391.9,       3.8,       3.8,       0.0);
     ( 400142.8, 3737391.9,       3.8,       3.8,       0.0);         ( 400162.8,
3737391.9,       3.9,       3.9,       0.0);
     ( 400182.8, 3737391.9,       4.1,       4.1,       0.0);         ( 398682.8,
3737411.9,       3.0,       3.0,       0.0);
     ( 398702.8, 3737411.9,       2.9,       2.9,       0.0);         ( 398722.8,
3737411.9,       3.2,       3.2,       0.0);
     ( 398742.8, 3737411.9,       3.2,       3.2,       0.0);         ( 398762.8,
3737411.9,       3.2,       3.2,       0.0);
     ( 398782.8, 3737411.9,       3.2,       3.2,       0.0);         ( 398802.8,
3737411.9,       3.2,       3.2,       0.0);
     ( 398822.8, 3737411.9,       3.1,       3.1,       0.0);         ( 398842.8,
3737411.9,       2.8,       2.8,       0.0);
     ( 398862.8, 3737411.9,       2.8,       2.8,       0.0);         ( 398882.8,
3737411.9,       2.7,       2.7,       0.0);
     ( 398902.8, 3737411.9,       2.7,       2.7,       0.0);         ( 398922.8,
3737411.9,       2.8,       2.8,       0.0);
     ( 398942.8, 3737411.9,       2.9,       2.9,       0.0);         ( 398962.8,
3737411.9,       3.0,       3.0,       0.0);
     ( 398982.8, 3737411.9,       2.9,       2.9,       0.0);         ( 399002.8,
3737411.9,       3.0,       3.0,       0.0);
     ( 399022.8, 3737411.9,       2.9,       2.9,       0.0);         ( 399042.8,
3737411.9,       3.0,       3.0,       0.0);
     ( 399062.8, 3737411.9,       3.0,       3.0,       0.0);         ( 399082.8,
3737411.9,       3.2,       3.2,       0.0);
     ( 399102.8, 3737411.9,       2.9,       2.9,       0.0);         ( 399122.8,
3737411.9,       2.8,       2.8,       0.0);
     ( 399142.8, 3737411.9,       2.8,       2.8,       0.0);         ( 399162.8,
3737411.9,       2.8,       2.8,       0.0);
     ( 399182.8, 3737411.9,       3.0,       3.0,       0.0);         ( 399202.8,
3737411.9,       2.9,       2.9,       0.0);
     ( 399222.8, 3737411.9,       2.9,       2.9,       0.0);         ( 399242.8,
3737411.9,       3.1,       3.1,       0.0);
     ( 399262.8, 3737411.9,       3.2,       3.2,       0.0);         ( 399282.8,
```

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(399342.8, 3737411.9, 2.8, 2.8, 0.0); (399362.8,
3737411.9, 2.8, 2.8, 0.0);
(399382.8, 3737411.9, 2.7, 2.7, 0.0); (399402.8,
3737411.9, 2.7, 2.7, 0.0);
(399422.8, 3737411.9, 3.2, 3.2, 0.0); (399442.8,
3737411.9, 3.3, 3.3, 0.0);
(399462.8, 3737411.9, 3.3, 3.3, 0.0); (399482.8,
3737411.9, 3.3, 3.3, 0.0);
(399502.8, 3737411.9, 3.4, 3.4, 0.0); (399522.8,
3737411.9, 3.5, 3.5, 0.0);
(399542.8, 3737411.9, 3.4, 3.4, 0.0); (399562.8,
3737411.9, 3.5, 3.5, 0.0);
(399582.8, 3737411.9, 3.6, 3.6, 0.0); (399602.8,
3737411.9, 3.6, 3.6, 0.0);
(399622.8, 3737411.9, 3.6, 3.6, 0.0); (399642.8,
3737411.9, 3.6, 3.6, 0.0);
(399662.8, 3737411.9, 3.7, 3.7, 0.0); (399682.8,
3737411.9, 3.7, 3.7, 0.0);
(399702.8, 3737411.9, 3.7, 3.7, 0.0); (399722.8,
3737411.9, 3.6, 3.6, 0.0);
(399742.8, 3737411.9, 3.4, 3.4, 0.0); (399762.8,
3737411.9, 3.3, 3.3, 0.0);
(399782.8, 3737411.9, 3.5, 3.5, 0.0); (399802.8,
3737411.9, 3.5, 3.5, 0.0);
(399822.8, 3737411.9, 3.4, 3.4, 0.0); (399842.8,
3737411.9, 3.5, 3.5, 0.0);
(399862.8, 3737411.9, 3.9, 3.9, 0.0); (399882.8,
3737411.9, 3.9, 3.9, 0.0);
(399902.8, 3737411.9, 3.9, 3.9, 0.0); (399922.8,
3737411.9, 4.0, 4.0, 0.0);
(399942.8, 3737411.9, 3.8, 3.8, 0.0); (399962.8,
3737411.9, 3.8, 3.8, 0.0);
(399982.8, 3737411.9, 3.6, 3.6, 0.0); (400002.8,
3737411.9, 3.5, 3.5, 0.0);
(400022.8, 3737411.9, 3.6, 3.6, 0.0); (400042.8,

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3737411.9,       3.9,       3.9,       0.0);
     ( 400062.8, 3737411.9,       3.8,       3.8,       0.0);         ( 400082.8,
3737411.9,       3.8,       3.8,       0.0);
     ( 400102.8, 3737411.9,       3.9,       3.9,       0.0);         ( 400122.8,
3737411.9,       3.8,       3.8,       0.0);
     ( 400142.8, 3737411.9,       3.7,       3.7,       0.0);         ( 400162.8,
3737411.9,       4.0,       4.0,       0.0);
     ( 400182.8, 3737411.9,       4.1,       4.1,       0.0);         ( 398682.8,
3737431.9,       2.6,       2.6,       0.0);
     ( 398702.8, 3737431.9,       2.7,       2.7,       0.0);         ( 398722.8,
3737431.9,       3.1,       3.1,       0.0);
     ( 398742.8, 3737431.9,       3.1,       3.1,       0.0);         ( 398762.8,
3737431.9,       3.2,       3.2,       0.0);
     ( 398782.8, 3737431.9,       3.2,       3.2,       0.0);         ( 398802.8,
3737431.9,       3.1,       3.1,       0.0);
     ( 398822.8, 3737431.9,       3.0,       3.0,       0.0);         ( 398842.8,
3737431.9,       2.8,       2.8,       0.0);
     ( 398862.8, 3737431.9,       2.8,       2.8,       0.0);         ( 398882.8,
3737431.9,       2.8,       2.8,       0.0);
     ( 398902.8, 3737431.9,       3.0,       3.0,       0.0);         ( 398922.8,
3737431.9,       2.9,       2.9,       0.0);
     ( 398942.8, 3737431.9,       2.7,       2.7,       0.0);         ( 398962.8,
3737431.9,       2.8,       2.8,       0.0);
     ( 398982.8, 3737431.9,       2.9,       2.9,       0.0);         ( 399002.8,
3737431.9,       2.8,       2.8,       0.0);
     ( 399022.8, 3737431.9,       2.9,       2.9,       0.0);         ( 399042.8,
3737431.9,       3.0,       3.0,       0.0);
     ( 399062.8, 3737431.9,       3.0,       3.0,       0.0);         ( 399082.8,
3737431.9,       3.2,       3.2,       0.0);
     ( 399102.8, 3737431.9,       2.9,       2.9,       0.0);         ( 399122.8,
3737431.9,       2.8,       2.8,       0.0);
     ( 399142.8, 3737431.9,       2.9,       2.9,       0.0);         ( 399162.8,
3737431.9,       3.0,       3.0,       0.0);
     ( 399182.8, 3737431.9,       3.0,       3.0,       0.0);         ( 399202.8,
3737431.9,       2.9,       2.9,       0.0);
     ( 399222.8, 3737431.9,       3.0,       3.0,       0.0);         ( 399242.8,
3737431.9,       3.2,       3.2,       0.0);
     ( 399262.8, 3737431.9,       3.1,       3.1,       0.0);         ( 399282.8,
3737431.9,       3.1,       3.1,       0.0);
     ( 399302.8, 3737431.9,       3.1,       3.1,       0.0);         ( 399322.8,
3737431.9,       2.9,       2.9,       0.0);
     ( 399342.8, 3737431.9,       2.8,       2.8,       0.0);         ( 399362.8,
3737431.9,       2.8,       2.8,       0.0);
     ( 399382.8, 3737431.9,       2.7,       2.7,       0.0);         ( 399402.8,
3737431.9,       2.9,       2.9,       0.0);
     ( 399422.8, 3737431.9,       3.1,       3.1,       0.0);         ( 399442.8,
3737431.9,       3.3,       3.3,       0.0);
     ( 399462.8, 3737431.9,       3.3,       3.3,       0.0);         ( 399482.8,
3737431.9,       3.3,       3.3,       0.0);
     ( 399502.8, 3737431.9,       3.3,       3.3,       0.0);         ( 399522.8,
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3737431.9,   3.5,   3.5,   0.0);
     (399542.8, 3737431.9,   3.4,   3.4,   0.0);   (399562.8,
3737431.9,   3.6,   3.6,   0.0);
     (399582.8, 3737431.9,   3.6,   3.6,   0.0);   (399602.8,
3737431.9,   3.6,   3.6,   0.0);

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                              (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                          (METERS)

     (399622.8, 3737431.9,   3.5,   3.5,   0.0);   (399642.8,
3737431.9,   3.7,   3.7,   0.0);
     (399662.8, 3737431.9,   3.7,   3.7,   0.0);   (399682.8,
3737431.9,   3.8,   3.8,   0.0);
     (399702.8, 3737431.9,   3.8,   3.8,   0.0);   (399722.8,
3737431.9,   3.8,   3.8,   0.0);
     (399742.8, 3737431.9,   3.6,   3.6,   0.0);   (399762.8,
3737431.9,   3.6,   3.6,   0.0);
     (399782.8, 3737431.9,   3.6,   3.6,   0.0);   (399802.8,
3737431.9,   3.4,   3.4,   0.0);
     (399822.8, 3737431.9,   3.6,   3.6,   0.0);   (399842.8,
3737431.9,   3.5,   3.5,   0.0);
     (399862.8, 3737431.9,   3.5,   3.5,   0.0);   (399882.8,
3737431.9,   3.8,   3.8,   0.0);
     (399902.8, 3737431.9,   3.9,   3.9,   0.0);   (399922.8,
3737431.9,   4.0,   4.0,   0.0);
     (399942.8, 3737431.9,   3.8,   3.8,   0.0);   (399962.8,
3737431.9,   3.7,   3.7,   0.0);
     (399982.8, 3737431.9,   3.5,   3.5,   0.0);   (400002.8,
3737431.9,   3.5,   3.5,   0.0);
     (400022.8, 3737431.9,   3.8,   3.8,   0.0);   (400042.8,
3737431.9,   3.9,   3.9,   0.0);
     (400062.8, 3737431.9,   3.9,   3.9,   0.0);   (400082.8,
3737431.9,   3.9,   3.9,   0.0);
     (400102.8, 3737431.9,   3.9,   3.9,   0.0);   (400122.8,
3737431.9,   3.8,   3.8,   0.0);
     (400142.8, 3737431.9,   3.8,   3.8,   0.0);   (400162.8,
3737431.9,   4.0,   4.0,   0.0);
     (400182.8, 3737431.9,   4.1,   4.1,   0.0);   (398682.8,
3737451.9,   2.5,   2.5,   0.0);
     (398702.8, 3737451.9,   2.6,   2.6,   0.0);   (398722.8,
3737451.9,   2.8,   2.8,   0.0);
     (398742.8, 3737451.9,   3.0,   3.0,   0.0);   (398762.8,

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3737451.9,       3.1,       3.1,       0.0);
     ( 398782.8, 3737451.9,       3.2,       3.2,       0.0);         ( 398802.8,
3737451.9,       3.2,       3.2,       0.0);
     ( 398822.8, 3737451.9,       3.1,       3.1,       0.0);         ( 398842.8,
3737451.9,       2.9,       2.9,       0.0);
     ( 398862.8, 3737451.9,       3.0,       3.0,       0.0);         ( 398882.8,
3737451.9,       2.9,       2.9,       0.0);
     ( 398902.8, 3737451.9,       3.0,       3.0,       0.0);         ( 398922.8,
3737451.9,       2.8,       2.8,       0.0);
     ( 398942.8, 3737451.9,       2.9,       2.9,       0.0);         ( 398962.8,
3737451.9,       2.7,       2.7,       0.0);
     ( 398982.8, 3737451.9,       2.6,       2.6,       0.0);         ( 399002.8,
3737451.9,       2.7,       2.7,       0.0);
     ( 399022.8, 3737451.9,       2.8,       2.8,       0.0);         ( 399042.8,
3737451.9,       3.0,       3.0,       0.0);
     ( 399062.8, 3737451.9,       2.9,       2.9,       0.0);         ( 399082.8,
3737451.9,       3.0,       3.0,       0.0);
     ( 399102.8, 3737451.9,       3.0,       3.0,       0.0);         ( 399122.8,
3737451.9,       3.0,       3.0,       0.0);
     ( 399142.8, 3737451.9,       3.0,       3.0,       0.0);         ( 399162.8,
3737451.9,       3.2,       3.2,       0.0);
     ( 399182.8, 3737451.9,       3.0,       3.0,       0.0);         ( 399202.8,
3737451.9,       2.9,       2.9,       0.0);
     ( 399222.8, 3737451.9,       3.2,       3.2,       0.0);         ( 399242.8,
3737451.9,       3.2,       3.2,       0.0);
     ( 399262.8, 3737451.9,       3.2,       3.2,       0.0);         ( 399282.8,
3737451.9,       3.2,       3.2,       0.0);
     ( 399302.8, 3737451.9,       3.2,       3.2,       0.0);         ( 399322.8,
3737451.9,       3.0,       3.0,       0.0);
     ( 399342.8, 3737451.9,       2.9,       2.9,       0.0);         ( 399362.8,
3737451.9,       2.8,       2.8,       0.0);
     ( 399382.8, 3737451.9,       2.9,       2.9,       0.0);         ( 399402.8,
3737451.9,       3.2,       3.2,       0.0);
     ( 399422.8, 3737451.9,       3.2,       3.2,       0.0);         ( 399442.8,
3737451.9,       3.3,       3.3,       0.0);
     ( 399462.8, 3737451.9,       3.3,       3.3,       0.0);         ( 399482.8,
3737451.9,       3.5,       3.5,       0.0);
     ( 399502.8, 3737451.9,       3.4,       3.4,       0.0);         ( 399522.8,
3737451.9,       3.4,       3.4,       0.0);
     ( 399542.8, 3737451.9,       3.2,       3.2,       0.0);         ( 399562.8,
3737451.9,       3.2,       3.2,       0.0);
     ( 399582.8, 3737451.9,       3.4,       3.4,       0.0);         ( 399602.8,
3737451.9,       3.6,       3.6,       0.0);
     ( 399622.8, 3737451.9,       3.4,       3.4,       0.0);         ( 399642.8,
3737451.9,       3.7,       3.7,       0.0);
     ( 399662.8, 3737451.9,       3.7,       3.7,       0.0);         ( 399682.8,
3737451.9,       3.8,       3.8,       0.0);
     ( 399702.8, 3737451.9,       3.7,       3.7,       0.0);         ( 399722.8,
3737451.9,       3.8,       3.8,       0.0);
     ( 399742.8, 3737451.9,       3.8,       3.8,       0.0);         ( 399762.8,
```

3737451.9, 3.8, 3.8, 0.0);
     (399782.8, 3737451.9, 3.5, 3.5, 0.0); (399802.8,
3737451.9, 3.5, 3.5, 0.0);
     (399822.8, 3737451.9, 3.7, 3.7, 0.0); (399842.8,
3737451.9, 3.7, 3.7, 0.0);
     (399862.8, 3737451.9, 3.8, 3.8, 0.0); (399882.8,
3737451.9, 3.5, 3.5, 0.0);

                                        *** DISCRETE CARTESIAN RECEPTORS ***
                                    (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                (METERS)

     (399902.8, 3737451.9, 3.7, 3.7, 0.0); (399922.8,
3737451.9, 3.9, 3.9, 0.0);
     (399942.8, 3737451.9, 3.8, 3.8, 0.0); (399962.8,
3737451.9, 3.6, 3.6, 0.0);
     (399982.8, 3737451.9, 3.5, 3.5, 0.0); (400002.8,
3737451.9, 3.8, 3.8, 0.0);
     (400022.8, 3737451.9, 4.0, 4.0, 0.0); (400042.8,
3737451.9, 3.8, 3.8, 0.0);
     (400062.8, 3737451.9, 3.8, 3.8, 0.0); (400082.8,
3737451.9, 3.8, 3.8, 0.0);
     (400102.8, 3737451.9, 3.9, 3.9, 0.0); (400122.8,
3737451.9, 3.9, 3.9, 0.0);
     (400142.8, 3737451.9, 4.0, 4.0, 0.0); (400162.8,
3737451.9, 4.2, 4.2, 0.0);
     (400182.8, 3737451.9, 4.3, 4.3, 0.0); (398682.8,
3737471.9, 2.5, 2.5, 0.0);
     (398702.8, 3737471.9, 2.5, 2.5, 0.0); (398722.8,
3737471.9, 2.6, 2.6, 0.0);
     (398742.8, 3737471.9, 3.0, 3.0, 0.0); (398762.8,
3737471.9, 3.2, 3.2, 0.0);
     (398782.8, 3737471.9, 3.2, 3.2, 0.0); (398802.8,
3737471.9, 3.2, 3.2, 0.0);
     (398822.8, 3737471.9, 3.3, 3.3, 0.0); (398842.8,
3737471.9, 3.1, 3.1, 0.0);
     (398862.8, 3737471.9, 3.2, 3.2, 0.0); (398882.8,
3737471.9, 3.0, 3.0, 0.0);
     (398902.8, 3737471.9, 2.9, 2.9, 0.0); (398922.8,
3737471.9, 2.9, 2.9, 0.0);
     (398942.8, 3737471.9, 2.9, 2.9, 0.0); (398962.8,
3737471.9, 2.9, 2.9, 0.0);
     (398982.8, 3737471.9, 2.8, 2.8, 0.0); (399002.8,

```
3737471.9,       2.6,       2.6,       0.0);
     ( 399022.8, 3737471.9,       2.7,       2.7,       0.0);         ( 399042.8,
3737471.9,       2.9,       2.9,       0.0);
     ( 399062.8, 3737471.9,       2.9,       2.9,       0.0);         ( 399082.8,
3737471.9,       2.9,       2.9,       0.0);
     ( 399102.8, 3737471.9,       2.9,       2.9,       0.0);         ( 399122.8,
3737471.9,       2.9,       2.9,       0.0);
     ( 399142.8, 3737471.9,       2.9,       2.9,       0.0);         ( 399162.8,
3737471.9,       2.9,       2.9,       0.0);
     ( 399182.8, 3737471.9,       2.9,       2.9,       0.0);         ( 399202.8,
3737471.9,       3.0,       3.0,       0.0);
     ( 399222.8, 3737471.9,       3.1,       3.1,       0.0);         ( 399242.8,
3737471.9,       3.2,       3.2,       0.0);
     ( 399262.8, 3737471.9,       3.2,       3.2,       0.0);         ( 399282.8,
3737471.9,       3.1,       3.1,       0.0);
     ( 399302.8, 3737471.9,       3.1,       3.1,       0.0);         ( 399322.8,
3737471.9,       3.1,       3.1,       0.0);
     ( 399342.8, 3737471.9,       3.0,       3.0,       0.0);         ( 399362.8,
3737471.9,       2.9,       2.9,       0.0);
     ( 399382.8, 3737471.9,       3.1,       3.1,       0.0);         ( 399402.8,
3737471.9,       3.2,       3.2,       0.0);
     ( 399422.8, 3737471.9,       3.3,       3.3,       0.0);         ( 399442.8,
3737471.9,       3.2,       3.2,       0.0);
     ( 399462.8, 3737471.9,       3.2,       3.2,       0.0);         ( 399482.8,
3737471.9,       3.4,       3.4,       0.0);
     ( 399502.8, 3737471.9,       3.3,       3.3,       0.0);         ( 399522.8,
3737471.9,       3.2,       3.2,       0.0);
     ( 399542.8, 3737471.9,       3.1,       3.1,       0.0);         ( 399562.8,
3737471.9,       3.1,       3.1,       0.0);
     ( 399582.8, 3737471.9,       3.1,       3.1,       0.0);         ( 399602.8,
3737471.9,       3.2,       3.2,       0.0);
     ( 399622.8, 3737471.9,       3.4,       3.4,       0.0);         ( 399642.8,
3737471.9,       3.6,       3.6,       0.0);
     ( 399662.8, 3737471.9,       3.6,       3.6,       0.0);         ( 399682.8,
3737471.9,       3.7,       3.7,       0.0);
     ( 399702.8, 3737471.9,       3.8,       3.8,       0.0);         ( 399722.8,
3737471.9,       3.7,       3.7,       0.0);
     ( 399742.8, 3737471.9,       3.6,       3.6,       0.0);         ( 399762.8,
3737471.9,       3.6,       3.6,       0.0);
     ( 399782.8, 3737471.9,       3.4,       3.4,       0.0);         ( 399802.8,
3737471.9,       3.4,       3.4,       0.0);
     ( 399822.8, 3737471.9,       3.7,       3.7,       0.0);         ( 399842.8,
3737471.9,       3.8,       3.8,       0.0);
     ( 399862.8, 3737471.9,       3.8,       3.8,       0.0);         ( 399882.8,
3737471.9,       3.9,       3.9,       0.0);
     ( 399902.8, 3737471.9,       3.7,       3.7,       0.0);         ( 399922.8,
3737471.9,       3.5,       3.5,       0.0);
     ( 399942.8, 3737471.9,       3.6,       3.6,       0.0);         ( 399962.8,
3737471.9,       3.5,       3.5,       0.0);
     ( 399982.8, 3737471.9,       3.6,       3.6,       0.0);         ( 400002.8,
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3737471.9, 3.9, 3.9, 0.0);
     (400022.8, 3737471.9, 3.8, 3.8, 0.0); (400042.8,
3737471.9, 3.9, 3.9, 0.0);
     (400062.8, 3737471.9, 3.7, 3.7, 0.0); (400082.8,
3737471.9, 3.7, 3.7, 0.0);
     (400102.8, 3737471.9, 3.8, 3.8, 0.0); (400122.8,
3737471.9, 3.9, 3.9, 0.0);
     (400142.8, 3737471.9, 4.3, 4.3, 0.0); (400162.8,
3737471.9, 4.4, 4.4, 0.0);

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                       (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                (METERS)

     (400182.8, 3737471.9, 4.5, 4.5, 0.0); (398682.8,
3737491.9, 2.5, 2.5, 0.0);
     (398702.8, 3737491.9, 2.5, 2.5, 0.0); (398722.8,
3737491.9, 2.5, 2.5, 0.0);
     (398742.8, 3737491.9, 3.1, 3.1, 0.0); (398762.8,
3737491.9, 3.1, 3.1, 0.0);
     (398782.8, 3737491.9, 3.2, 3.2, 0.0); (398802.8,
3737491.9, 3.2, 3.2, 0.0);
     (398822.8, 3737491.9, 3.3, 3.3, 0.0); (398842.8,
3737491.9, 3.2, 3.2, 0.0);
     (398862.8, 3737491.9, 3.2, 3.2, 0.0); (398882.8,
3737491.9, 3.0, 3.0, 0.0);
     (398902.8, 3737491.9, 2.9, 2.9, 0.0); (398922.8,
3737491.9, 2.9, 2.9, 0.0);
     (398942.8, 3737491.9, 2.8, 2.8, 0.0); (398962.8,
3737491.9, 2.8, 2.8, 0.0);
     (398982.8, 3737491.9, 2.9, 2.9, 0.0); (399002.8,
3737491.9, 2.9, 2.9, 0.0);
     (399022.8, 3737491.9, 2.7, 2.7, 0.0); (399042.8,
3737491.9, 2.7, 2.7, 0.0);
     (399062.8, 3737491.9, 2.7, 2.7, 0.0); (399082.8,
3737491.9, 2.6, 2.6, 0.0);
     (399102.8, 3737491.9, 2.7, 2.7, 0.0); (399122.8,
3737491.9, 2.7, 2.7, 0.0);
     (399142.8, 3737491.9, 2.8, 2.8, 0.0); (399162.8,
3737491.9, 2.8, 2.8, 0.0);
     (399182.8, 3737491.9, 2.9, 2.9, 0.0); (399202.8,
3737491.9, 2.9, 2.9, 0.0);
     (399222.8, 3737491.9, 3.0, 3.0, 0.0); (399242.8,

```
3737491.9,       3.1,       3.1,       0.0);
     ( 399262.8, 3737491.9,       3.1,       3.1,       0.0);         ( 399282.8,
3737491.9,       3.1,       3.1,       0.0);
     ( 399302.8, 3737491.9,       3.1,       3.1,       0.0);         ( 399322.8,
3737491.9,       3.1,       3.1,       0.0);
     ( 399342.8, 3737491.9,       3.1,       3.1,       0.0);         ( 399362.8,
3737491.9,       3.1,       3.1,       0.0);
     ( 399382.8, 3737491.9,       3.1,       3.1,       0.0);         ( 399402.8,
3737491.9,       3.3,       3.3,       0.0);
     ( 399422.8, 3737491.9,       3.2,       3.2,       0.0);         ( 399442.8,
3737491.9,       3.2,       3.2,       0.0);
     ( 399462.8, 3737491.9,       3.2,       3.2,       0.0);         ( 399482.8,
3737491.9,       3.4,       3.4,       0.0);
     ( 399502.8, 3737491.9,       3.2,       3.2,       0.0);         ( 399522.8,
3737491.9,       3.2,       3.2,       0.0);
     ( 399542.8, 3737491.9,       3.1,       3.1,       0.0);         ( 399562.8,
3737491.9,       3.0,       3.0,       0.0);
     ( 399582.8, 3737491.9,       3.0,       3.0,       0.0);         ( 399602.8,
3737491.9,       3.0,       3.0,       0.0);
     ( 399622.8, 3737491.9,       3.1,       3.1,       0.0);         ( 399642.8,
3737491.9,       3.5,       3.5,       0.0);
     ( 399662.8, 3737491.9,       3.5,       3.5,       0.0);         ( 399682.8,
3737491.9,       3.6,       3.6,       0.0);
     ( 399702.8, 3737491.9,       3.7,       3.7,       0.0);         ( 399722.8,
3737491.9,       3.7,       3.7,       0.0);
     ( 399742.8, 3737491.9,       3.5,       3.5,       0.0);         ( 399762.8,
3737491.9,       3.3,       3.3,       0.0);
     ( 399782.8, 3737491.9,       3.3,       3.3,       0.0);         ( 399802.8,
3737491.9,       3.4,       3.4,       0.0);
     ( 399822.8, 3737491.9,       3.4,       3.4,       0.0);         ( 399842.8,
3737491.9,       3.6,       3.6,       0.0);
     ( 399862.8, 3737491.9,       3.9,       3.9,       0.0);         ( 399882.8,
3737491.9,       3.9,       3.9,       0.0);
     ( 399902.8, 3737491.9,       3.9,       3.9,       0.0);         ( 399922.8,
3737491.9,       3.9,       3.9,       0.0);
     ( 399942.8, 3737491.9,       3.4,       3.4,       0.0);         ( 399962.8,
3737491.9,       3.4,       3.4,       0.0);
     ( 399982.8, 3737491.9,       3.8,       3.8,       0.0);         ( 400002.8,
3737491.9,       3.8,       3.8,       0.0);
     ( 400022.8, 3737491.9,       3.9,       3.9,       0.0);         ( 400042.8,
3737491.9,       3.8,       3.8,       0.0);
     ( 400062.8, 3737491.9,       3.5,       3.5,       0.0);         ( 400082.8,
3737491.9,       3.5,       3.5,       0.0);
     ( 400102.8, 3737491.9,       3.6,       3.6,       0.0);         ( 400122.8,
3737491.9,       3.8,       3.8,       0.0);
     ( 400142.8, 3737491.9,       4.5,       4.5,       0.0);         ( 400162.8,
3737491.9,       4.6,       4.6,       0.0);
     ( 400182.8, 3737491.9,       4.5,       4.5,       0.0);         ( 398682.8,
3737511.9,       2.6,       2.6,       0.0);
     ( 398702.8, 3737511.9,       2.5,       2.5,       0.0);         ( 398722.8,
```

3737511.9,   2.6,   2.6,   0.0);
     (398742.8, 3737511.9,   3.1,   3.1,   0.0);   (398762.8,
3737511.9,   3.1,   3.1,   0.0);
     (398782.8, 3737511.9,   3.2,   3.2,   0.0);   (398802.8,
3737511.9,   3.2,   3.2,   0.0);
     (398822.8, 3737511.9,   3.3,   3.3,   0.0);   (398842.8,
3737511.9,   3.2,   3.2,   0.0);
     (398862.8, 3737511.9,   3.1,   3.1,   0.0);   (398882.8,
3737511.9,   2.9,   2.9,   0.0);
     (398902.8, 3737511.9,   3.0,   3.0,   0.0);   (398922.8,
3737511.9,   2.9,   2.9,   0.0);

                                                 *** DISCRETE CARTESIAN RECEPTORS ***
                                               (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                          (METERS)

     (398942.8, 3737511.9,   2.8,   2.8,   0.0);   (398962.8,
3737511.9,   2.7,   2.7,   0.0);
     (398982.8, 3737511.9,   3.0,   3.0,   0.0);   (399002.8,
3737511.9,   2.9,   2.9,   0.0);
     (399022.8, 3737511.9,   2.8,   2.8,   0.0);   (399042.8,
3737511.9,   3.0,   3.0,   0.0);
     (399062.8, 3737511.9,   3.0,   3.0,   0.0);   (399082.8,
3737511.9,   2.7,   2.7,   0.0);
     (399102.8, 3737511.9,   2.7,   2.7,   0.0);   (399122.8,
3737511.9,   2.9,   2.9,   0.0);
     (399142.8, 3737511.9,   3.0,   3.0,   0.0);   (399162.8,
3737511.9,   2.9,   2.9,   0.0);
     (399182.8, 3737511.9,   3.0,   3.0,   0.0);   (399202.8,
3737511.9,   3.1,   3.1,   0.0);
     (399222.8, 3737511.9,   3.1,   3.1,   0.0);   (399242.8,
3737511.9,   3.2,   3.2,   0.0);
     (399262.8, 3737511.9,   3.2,   3.2,   0.0);   (399282.8,
3737511.9,   3.1,   3.1,   0.0);
     (399302.8, 3737511.9,   3.0,   3.0,   0.0);   (399322.8,
3737511.9,   3.0,   3.0,   0.0);
     (399342.8, 3737511.9,   3.0,   3.0,   0.0);   (399362.8,
3737511.9,   3.0,   3.0,   0.0);
     (399382.8, 3737511.9,   3.0,   3.0,   0.0);   (399402.8,
3737511.9,   3.0,   3.0,   0.0);
     (399422.8, 3737511.9,   2.9,   2.9,   0.0);   (399442.8,
3737511.9,   2.9,   2.9,   0.0);
     (399462.8, 3737511.9,   2.9,   2.9,   0.0);   (399482.8,

```
3737511.9,       3.0,       3.0,       0.0);
     ( 399502.8, 3737511.9,       3.0,       3.0,       0.0);         ( 399522.8,
3737511.9,       3.2,       3.2,       0.0);
     ( 399542.8, 3737511.9,       3.2,       3.2,       0.0);         ( 399562.8,
3737511.9,       3.0,       3.0,       0.0);
     ( 399582.8, 3737511.9,       3.0,       3.0,       0.0);         ( 399602.8,
3737511.9,       3.0,       3.0,       0.0);
     ( 399622.8, 3737511.9,       3.1,       3.1,       0.0);         ( 399642.8,
3737511.9,       3.2,       3.2,       0.0);
     ( 399662.8, 3737511.9,       3.5,       3.5,       0.0);         ( 399682.8,
3737511.9,       3.6,       3.6,       0.0);
     ( 399702.8, 3737511.9,       3.7,       3.7,       0.0);         ( 399722.8,
3737511.9,       3.7,       3.7,       0.0);
     ( 399742.8, 3737511.9,       3.5,       3.5,       0.0);         ( 399762.8,
3737511.9,       3.3,       3.3,       0.0);
     ( 399782.8, 3737511.9,       3.3,       3.3,       0.0);         ( 399802.8,
3737511.9,       3.4,       3.4,       0.0);
     ( 399822.8, 3737511.9,       3.4,       3.4,       0.0);         ( 399842.8,
3737511.9,       3.5,       3.5,       0.0);
     ( 399862.8, 3737511.9,       3.8,       3.8,       0.0);         ( 399882.8,
3737511.9,       3.8,       3.8,       0.0);
     ( 399902.8, 3737511.9,       3.8,       3.8,       0.0);         ( 399922.8,
3737511.9,       3.6,       3.6,       0.0);
     ( 399942.8, 3737511.9,       3.4,       3.4,       0.0);         ( 399962.8,
3737511.9,       3.3,       3.3,       0.0);
     ( 399982.8, 3737511.9,       3.4,       3.4,       0.0);         ( 400002.8,
3737511.9,       3.6,       3.6,       0.0);
     ( 400022.8, 3737511.9,       3.8,       3.8,       0.0);         ( 400042.8,
3737511.9,       3.5,       3.5,       0.0);
     ( 400062.8, 3737511.9,       3.5,       3.5,       0.0);         ( 400082.8,
3737511.9,       3.5,       3.5,       0.0);
     ( 400102.8, 3737511.9,       3.5,       3.5,       0.0);         ( 400122.8,
3737511.9,       3.7,       3.7,       0.0);
     ( 400142.8, 3737511.9,       4.5,       4.5,       0.0);         ( 400162.8,
3737511.9,       4.5,       4.5,       0.0);
     ( 400182.8, 3737511.9,       4.5,       4.5,       0.0);         ( 398682.8,
3737531.9,       2.7,       2.7,       0.0);
     ( 398702.8, 3737531.9,       2.6,       2.6,       0.0);         ( 398722.8,
3737531.9,       2.6,       2.6,       0.0);
     ( 398742.8, 3737531.9,       3.1,       3.1,       0.0);         ( 398762.8,
3737531.9,       3.1,       3.1,       0.0);
     ( 398782.8, 3737531.9,       3.1,       3.1,       0.0);         ( 398802.8,
3737531.9,       3.0,       3.0,       0.0);
     ( 398822.8, 3737531.9,       3.1,       3.1,       0.0);         ( 398842.8,
3737531.9,       3.2,       3.2,       0.0);
     ( 398862.8, 3737531.9,       3.0,       3.0,       0.0);         ( 398882.8,
3737531.9,       2.9,       2.9,       0.0);
     ( 398902.8, 3737531.9,       3.0,       3.0,       0.0);         ( 398922.8,
3737531.9,       2.8,       2.8,       0.0);
     ( 398942.8, 3737531.9,       2.7,       2.7,       0.0);         ( 398962.8,
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3737531.9,       3.5,       3.5,       0.0);
     ( 399742.8, 3737531.9,       3.3,       3.3,       0.0);         ( 399762.8,
3737531.9,       3.6,       3.6,       0.0);
     ( 399782.8, 3737531.9,       3.6,       3.6,       0.0);         ( 399802.8,
3737531.9,       3.4,       3.4,       0.0);
     ( 399822.8, 3737531.9,       3.5,       3.5,       0.0);         ( 399842.8,
3737531.9,       3.8,       3.8,       0.0);
     ( 399862.8, 3737531.9,       3.8,       3.8,       0.0);         ( 399882.8,
3737531.9,       3.8,       3.8,       0.0);
     ( 399902.8, 3737531.9,       3.8,       3.8,       0.0);         ( 399922.8,
3737531.9,       3.5,       3.5,       0.0);
     ( 399942.8, 3737531.9,       3.4,       3.4,       0.0);         ( 399962.8,
3737531.9,       3.4,       3.4,       0.0);
     ( 399982.8, 3737531.9,       3.6,       3.6,       0.0);         ( 400002.8,
3737531.9,       3.5,       3.5,       0.0);
     ( 400022.8, 3737531.9,       3.4,       3.4,       0.0);         ( 400042.8,
3737531.9,       3.4,       3.4,       0.0);
     ( 400062.8, 3737531.9,       3.4,       3.4,       0.0);         ( 400082.8,
3737531.9,       3.5,       3.5,       0.0);
     ( 400102.8, 3737531.9,       3.6,       3.6,       0.0);         ( 400122.8,
3737531.9,       3.8,       3.8,       0.0);
     ( 400142.8, 3737531.9,       4.4,       4.4,       0.0);         ( 400162.8,
3737531.9,       4.5,       4.5,       0.0);
     ( 400182.8, 3737531.9,       4.5,       4.5,       0.0);         ( 398682.8,
3737551.9,       2.7,       2.7,       0.0);
     ( 398702.8, 3737551.9,       2.6,       2.6,       0.0);         ( 398722.8,
3737551.9,       2.6,       2.6,       0.0);
     ( 398742.8, 3737551.9,       3.1,       3.1,       0.0);         ( 398762.8,
3737551.9,       3.1,       3.1,       0.0);
     ( 398782.8, 3737551.9,       3.1,       3.1,       0.0);         ( 398802.8,
3737551.9,       2.9,       2.9,       0.0);
     ( 398822.8, 3737551.9,       2.9,       2.9,       0.0);         ( 398842.8,
3737551.9,       2.9,       2.9,       0.0);
     ( 398862.8, 3737551.9,       3.0,       3.0,       0.0);         ( 398882.8,
3737551.9,       2.9,       2.9,       0.0);
     ( 398902.8, 3737551.9,       2.8,       2.8,       0.0);         ( 398922.8,
3737551.9,       2.7,       2.7,       0.0);
     ( 398942.8, 3737551.9,       2.7,       2.7,       0.0);         ( 398962.8,
3737551.9,       2.6,       2.6,       0.0);
     ( 398982.8, 3737551.9,       3.0,       3.0,       0.0);         ( 399002.8,
3737551.9,       3.0,       3.0,       0.0);
     ( 399022.8, 3737551.9,       2.8,       2.8,       0.0);         ( 399042.8,
3737551.9,       2.9,       2.9,       0.0);
     ( 399062.8, 3737551.9,       3.0,       3.0,       0.0);         ( 399082.8,
3737551.9,       2.9,       2.9,       0.0);
     ( 399102.8, 3737551.9,       2.9,       2.9,       0.0);         ( 399122.8,
3737551.9,       3.0,       3.0,       0.0);
     ( 399142.8, 3737551.9,       3.1,       3.1,       0.0);         ( 399162.8,
3737551.9,       3.0,       3.0,       0.0);
     ( 399182.8, 3737551.9,       3.3,       3.3,       0.0);         ( 399202.8,
```

3737551.9, 3.6, 3.6, 0.0);
     (399222.8, 3737551.9, 3.4, 3.4, 0.0); (399242.8,
3737551.9, 3.4, 3.4, 0.0);
     (399262.8, 3737551.9, 3.5, 3.5, 0.0); (399282.8,
3737551.9, 3.6, 3.6, 0.0);
     (399302.8, 3737551.9, 3.7, 3.7, 0.0); (399322.8,
3737551.9, 3.6, 3.6, 0.0);
     (399342.8, 3737551.9, 3.6, 3.6, 0.0); (399362.8,
3737551.9, 3.8, 3.8, 0.0);
     (399382.8, 3737551.9, 3.9, 3.9, 0.0); (399402.8,
3737551.9, 3.7, 3.7, 0.0);
     (399422.8, 3737551.9, 3.0, 3.0, 0.0); (399442.8,
3737551.9, 2.9, 2.9, 0.0);
     (399462.8, 3737551.9, 3.1, 3.1, 0.0); (399482.8,
3737551.9, 3.3, 3.3, 0.0);

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                       (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                (METERS)

     (399502.8, 3737551.9, 3.4, 3.4, 0.0); (399522.8,
3737551.9, 3.2, 3.2, 0.0);
     (399542.8, 3737551.9, 3.0, 3.0, 0.0); (399562.8,
3737551.9, 3.0, 3.0, 0.0);
     (399582.8, 3737551.9, 3.2, 3.2, 0.0); (399602.8,
3737551.9, 3.4, 3.4, 0.0);
     (399622.8, 3737551.9, 3.2, 3.2, 0.0); (399642.8,
3737551.9, 3.3, 3.3, 0.0);
     (399662.8, 3737551.9, 3.5, 3.5, 0.0); (399682.8,
3737551.9, 3.5, 3.5, 0.0);
     (399702.8, 3737551.9, 3.5, 3.5, 0.0); (399722.8,
3737551.9, 3.3, 3.3, 0.0);
     (399742.8, 3737551.9, 3.5, 3.5, 0.0); (399762.8,
3737551.9, 3.6, 3.6, 0.0);
     (399782.8, 3737551.9, 3.6, 3.6, 0.0); (399802.8,
3737551.9, 3.7, 3.7, 0.0);
     (399822.8, 3737551.9, 3.7, 3.7, 0.0); (399842.8,
3737551.9, 4.0, 4.0, 0.0);
     (399862.8, 3737551.9, 4.0, 4.0, 0.0); (399882.8,
3737551.9, 4.0, 4.0, 0.0);
     (399902.8, 3737551.9, 3.6, 3.6, 0.0); (399922.8,
3737551.9, 3.5, 3.5, 0.0);
     (399942.8, 3737551.9, 3.5, 3.5, 0.0); (399962.8,

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3737551.9,       3.5,       3.5,       0.0);
     ( 399982.8, 3737551.9,       3.9,       3.9,       0.0);         ( 400002.8,
3737551.9,       3.8,       3.8,       0.0);
     ( 400022.8, 3737551.9,       3.9,       3.9,       0.0);         ( 400042.8,
3737551.9,       3.9,       3.9,       0.0);
     ( 400062.8, 3737551.9,       3.8,       3.8,       0.0);         ( 400082.8,
3737551.9,       3.8,       3.8,       0.0);
     ( 400102.8, 3737551.9,       4.0,       4.0,       0.0);         ( 400122.8,
3737551.9,       4.0,       4.0,       0.0);
     ( 400142.8, 3737551.9,       4.5,       4.5,       0.0);         ( 400162.8,
3737551.9,       4.5,       4.5,       0.0);
     ( 400182.8, 3737551.9,       4.5,       4.5,       0.0);         ( 398315.8,
3734124.1,       3.5,       3.5,       0.0);
     ( 398509.1, 3734124.1,       3.7,       3.7,       0.0);         ( 398702.4,
3734124.1,       3.7,       3.7,       0.0);
     ( 398895.6, 3734124.1,       4.0,       4.0,       0.0);         ( 399088.9,
3734124.1,       4.1,       4.1,       0.0);
     ( 399282.2, 3734124.1,       3.6,       3.6,       0.0);         ( 399475.4,
3734124.1,       1.6,       1.6,       0.0);
     ( 399668.7, 3734124.1,       1.6,       1.6,       0.0);         ( 399862.0,
3734124.1,       1.6,       1.6,       0.0);
     ( 400055.2, 3734124.1,       1.6,       1.6,       0.0);         ( 400248.5,
3734124.1,       1.7,       1.7,       0.0);
     ( 400441.8, 3734124.1,       1.7,       1.7,       0.0);         ( 400635.1,
3734124.1,       0.9,       1.7,       0.0);
     ( 400828.3, 3734124.1,       1.7,       1.7,       0.0);         ( 401021.6,
3734124.1,       4.1,      11.2,       0.0);
     ( 401214.9, 3734124.1,       2.5,       2.5,       0.0);         ( 401408.1,
3734124.1,       3.1,       8.9,       0.0);
     ( 401601.4, 3734124.1,       2.9,       9.0,       0.0);         ( 401794.7,
3734124.1,       2.4,       2.4,       0.0);
     ( 401988.0, 3734124.1,       2.7,       2.7,       0.0);         ( 402181.2,
3734124.1,       2.6,       2.6,       0.0);
     ( 398315.8, 3734299.9,       3.8,       3.8,       0.0);         ( 398509.1,
3734299.9,       5.2,       5.2,       0.0);
     ( 398702.4, 3734299.9,       5.5,       5.5,       0.0);         ( 398895.6,
3734299.9,       5.9,       5.9,       0.0);
     ( 399088.9, 3734299.9,       6.1,       6.1,       0.0);         ( 399282.2,
3734299.9,       4.6,       4.6,       0.0);
     ( 399475.4, 3734299.9,       1.6,       1.6,       0.0);         ( 399668.7,
3734299.9,       1.6,       1.6,       0.0);
     ( 399862.0, 3734299.9,       1.2,       1.2,       0.0);         ( 400055.2,
3734299.9,       1.6,       1.6,       0.0);
     ( 400248.5, 3734299.9,       1.6,       1.6,       0.0);         ( 400441.8,
3734299.9,       1.7,       1.7,       0.0);
     ( 400635.1, 3734299.9,       1.7,       1.7,       0.0);         ( 400828.3,
3734299.9,       1.8,       1.8,       0.0);
     ( 401021.6, 3734299.9,       2.9,       2.9,       0.0);         ( 401214.9,
3734299.9,       2.3,       2.3,       0.0);
     ( 401408.1, 3734299.9,       2.3,       2.3,       0.0);         ( 401601.4,
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3734299.9,   2.4,   2.4,   0.0);
     (401794.7, 3734299.9,   2.4,   2.4,   0.0);   (401988.0,
3734299.9,   2.8,   2.8,   0.0);
     (402181.2, 3734299.9,   2.6,   2.6,   0.0);   (398315.8,
3734475.7,   5.2,   5.2,   0.0);
     (398509.1, 3734475.7,   7.2,   7.2,   0.0);   (398702.4,
3734475.7,   9.7,   9.7,   0.0);
     (398895.6, 3734475.7,   10.3,   10.3,   0.0);   (399088.9,
3734475.7,   11.7,   11.7,   0.0);
     (399282.2, 3734475.7,   6.1,   10.7,   0.0);   (399475.4,
3734475.7,   2.3,   2.3,   0.0);
     (399668.7, 3734475.7,   1.1,   1.1,   0.0);   (399862.0,
3734475.7,   0.5,   0.5,   0.0);
     (400055.2, 3734475.7,   0.8,   0.8,   0.0);   (400248.5,
3734475.7,   1.1,   1.1,   0.0);
     (400441.8, 3734475.7,   1.1,   1.1,   0.0);   (400635.1,
3734475.7,   2.9,   2.9,   0.0);

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                              (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                          (METERS)

     (400828.3, 3734475.7,   0.0,   2.9,   0.0);   (401021.6,
3734475.7,   1.8,   1.8,   0.0);
     (401214.9, 3734475.7,   1.9,   1.9,   0.0);   (401408.1,
3734475.7,   2.1,   2.1,   0.0);
     (401601.4, 3734475.7,   2.4,   2.4,   0.0);   (401794.7,
3734475.7,   2.5,   2.5,   0.0);
     (401988.0, 3734475.7,   2.4,   2.4,   0.0);   (402181.2,
3734475.7,   2.4,   2.4,   0.0);
     (398315.8, 3734651.5,   10.9,   10.9,   0.0);   (398509.1,
3734651.5,   12.4,   12.4,   0.0);
     (398702.4, 3734651.5,   14.1,   14.1,   0.0);   (398895.6,
3734651.5,   14.9,   14.9,   0.0);
     (399088.9, 3734651.5,   14.6,   14.6,   0.0);   (399282.2,
3734651.5,   6.2,   6.2,   0.0);
     (399475.4, 3734651.5,   2.7,   2.7,   0.0);   (399668.7,
3734651.5,   2.7,   2.7,   0.0);
     (399862.0, 3734651.5,   3.1,   3.1,   0.0);   (400055.2,
3734651.5,   3.2,   3.2,   0.0);
     (400248.5, 3734651.5,   1.2,   3.3,   0.0);   (400441.8,
3734651.5,   0.0,   0.0,   0.0);
     (400635.1, 3734651.5,   0.0,   0.0,   0.0);   (400828.3,

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3734651.5,       0.0,       0.0,       0.0);
     ( 401021.6, 3734651.5,       1.9,       1.9,       0.0);         ( 401214.9,
3734651.5,       2.2,       2.2,       0.0);
     ( 401408.1, 3734651.5,       2.4,       2.4,       0.0);         ( 401601.4,
3734651.5,       2.6,       2.6,       0.0);
     ( 401794.7, 3734651.5,       3.0,       3.0,       0.0);         ( 401988.0,
3734651.5,       2.9,       2.9,       0.0);
     ( 402181.2, 3734651.5,       3.0,       3.0,       0.0);         ( 398315.8,
3734827.4,      15.2,      15.2,       0.0);
     ( 398509.1, 3734827.4,      17.6,      17.6,       0.0);         ( 398702.4,
3734827.4,      16.9,      16.9,       0.0);
     ( 398895.6, 3734827.4,      14.6,      14.6,       0.0);         ( 399088.9,
3734827.4,      12.8,      12.8,       0.0);
     ( 399282.2, 3734827.4,      10.0,      10.0,       0.0);         ( 399475.4,
3734827.4,       5.6,       5.6,       0.0);
     ( 399668.7, 3734827.4,       1.4,       1.4,       0.0);         ( 399862.0,
3734827.4,       0.0,       0.0,       0.0);
     ( 400055.2, 3734827.4,       2.1,       2.1,       0.0);         ( 400248.5,
3734827.4,       1.3,       1.3,       0.0);
     ( 400441.8, 3734827.4,       0.0,       0.0,       0.0);         ( 400635.1,
3734827.4,       0.0,       0.0,       0.0);
     ( 400828.3, 3734827.4,       1.6,       1.6,       0.0);         ( 401021.6,
3734827.4,       1.9,       1.9,       0.0);
     ( 401214.9, 3734827.4,       2.3,       2.3,       0.0);         ( 401408.1,
3734827.4,       2.5,       2.5,       0.0);
     ( 401601.4, 3734827.4,       2.8,       2.8,       0.0);         ( 401794.7,
3734827.4,       3.1,       3.1,       0.0);
     ( 401988.0, 3734827.4,       3.2,       3.2,       0.0);         ( 402181.2,
3734827.4,       3.3,       3.3,       0.0);
     ( 398315.8, 3735003.2,       3.7,      16.2,       0.0);         ( 398509.1,
3735003.2,       3.9,      19.0,       0.0);
     ( 398702.4, 3735003.2,       2.1,      19.5,       0.0);         ( 398895.6,
3735003.2,       7.5,       7.5,       0.0);
     ( 399088.9, 3735003.2,      12.5,      12.5,       0.0);         ( 399282.2,
3735003.2,      11.1,      11.1,       0.0);
     ( 399475.4, 3735003.2,       7.7,       7.7,       0.0);         ( 399668.7,
3735003.2,       3.2,       3.2,       0.0);
     ( 399862.0, 3735003.2,       1.7,       1.7,       0.0);         ( 400055.2,
3735003.2,       2.9,       2.9,       0.0);
     ( 400248.5, 3735003.2,       3.2,       3.4,       0.0);         ( 400441.8,
3735003.2,       0.0,       2.9,       0.0);
     ( 400635.1, 3735003.2,       0.0,       1.5,       0.0);         ( 400828.3,
3735003.2,       1.4,       1.4,       0.0);
     ( 401021.6, 3735003.2,       2.0,       2.0,       0.0);         ( 401214.9,
3735003.2,       2.3,       2.3,       0.0);
     ( 401408.1, 3735003.2,       2.7,       2.7,       0.0);         ( 401601.4,
3735003.2,       3.0,       3.0,       0.0);
     ( 401794.7, 3735003.2,       3.2,       3.2,       0.0);         ( 401988.0,
3735003.2,       3.4,       3.4,       0.0);
     ( 402181.2, 3735003.2,       3.4,       3.4,       0.0);         ( 398315.8,
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3735179.0,   2.3,   2.3,   0.0);
     (398509.1, 3735179.0,   3.6,   3.6,   0.0);   (398702.4,
3735179.0,   4.3,   4.3,   0.0);
     (398895.6, 3735179.0,   3.2,   3.2,   0.0);   (399088.9,
3735179.0,   13.0,   13.0,   0.0);
     (399282.2, 3735179.0,   11.1,   11.1,   0.0);   (399475.4,
3735179.0,   9.2,   9.2,   0.0);
     (399668.7, 3735179.0,   4.6,   4.6,   0.0);   (399862.0,
3735179.0,   1.8,   1.8,   0.0);
     (400055.2, 3735179.0,   3.0,   3.0,   0.0);   (400248.5,
3735179.0,   3.0,   3.0,   0.0);
     (400441.8, 3735179.0,   1.5,   1.5,   0.0);   (400635.1,
3735179.0,   1.8,   1.8,   0.0);
     (400828.3, 3735179.0,   1.9,   1.9,   0.0);   (401021.6,
3735179.0,   2.6,   2.6,   0.0);
     (401214.9, 3735179.0,   2.5,   2.5,   0.0);   (401408.1,
3735179.0,   2.9,   2.9,   0.0);
     (401601.4, 3735179.0,   3.1,   3.1,   0.0);   (401794.7,
3735179.0,   3.4,   3.4,   0.0);

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                              (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                          (METERS)

     (401988.0, 3735179.0,   3.7,   3.7,   0.0);   (402181.2,
3735179.0,   3.8,   3.8,   0.0);
     (398315.8, 3735354.8,   2.6,   2.6,   0.0);   (398509.1,
3735354.8,   1.9,   1.9,   0.0);
     (398702.4, 3735354.8,   2.3,   2.3,   0.0);   (398895.6,
3735354.8,   0.7,   0.7,   0.0);
     (399088.9, 3735354.8,   3.6,   13.3,   0.0);   (399282.2,
3735354.8,   9.7,   9.7,   0.0);
     (399475.4, 3735354.8,   9.8,   9.8,   0.0);   (399668.7,
3735354.8,   6.5,   6.5,   0.0);
     (399862.0, 3735354.8,   2.1,   2.1,   0.0);   (400055.2,
3735354.8,   3.3,   3.3,   0.0);
     (400248.5, 3735354.8,   2.8,   2.8,   0.0);   (400441.8,
3735354.8,   2.7,   2.7,   0.0);
     (400635.1, 3735354.8,   3.3,   3.3,   0.0);   (400828.3,
3735354.8,   1.9,   1.9,   0.0);
     (401021.6, 3735354.8,   2.2,   2.2,   0.0);   (401214.9,
3735354.8,   2.6,   2.6,   0.0);
     (401408.1, 3735354.8,   3.2,   3.2,   0.0);   (401601.4,

```
3735354.8,       3.3,       3.3,       0.0);
     ( 401794.7, 3735354.8,       3.5,       3.5,       0.0);         ( 401988.0,
3735354.8,       3.7,       3.7,       0.0);
     ( 402181.2, 3735354.8,       4.0,       4.0,       0.0);         ( 398315.8,
3735530.6,       2.4,       2.4,       0.0);
     ( 398509.1, 3735530.6,       2.2,       2.2,       0.0);         ( 398702.4,
3735530.6,      -1.7,      -1.7,       0.0);
     ( 398895.6, 3735530.6,       1.3,       2.2,       0.0);         ( 399088.9,
3735530.6,       3.1,       3.1,       0.0);
     ( 399282.2, 3735530.6,       3.4,       8.8,       0.0);         ( 399475.4,
3735530.6,       9.9,       9.9,       0.0);
     ( 399668.7, 3735530.6,       4.8,       4.8,       0.0);         ( 399862.0,
3735530.6,       2.8,       2.8,       0.0);
     ( 400055.2, 3735530.6,       2.1,       2.1,       0.0);         ( 400248.5,
3735530.6,       2.9,       2.9,       0.0);
     ( 400441.8, 3735530.6,       3.1,       3.1,       0.0);         ( 400635.1,
3735530.6,       2.8,       2.8,       0.0);
     ( 400828.3, 3735530.6,       2.6,       2.6,       0.0);         ( 401021.6,
3735530.6,       3.0,       3.0,       0.0);
     ( 401214.9, 3735530.6,       2.8,       2.8,       0.0);         ( 401408.1,
3735530.6,       3.8,       3.8,       0.0);
     ( 401601.4, 3735530.6,       3.3,       3.3,       0.0);         ( 401794.7,
3735530.6,       3.8,       3.8,       0.0);
     ( 401988.0, 3735530.6,       4.0,       4.0,       0.0);         ( 402181.2,
3735530.6,       4.1,       4.1,       0.0);
     ( 398315.8, 3735706.5,       0.2,       2.9,       0.0);         ( 398509.1,
3735706.5,      -1.9,      -1.9,       0.0);
     ( 398702.4, 3735706.5,      -1.5,      -1.5,       0.0);         ( 398895.6,
3735706.5,       0.5,       3.0,       0.0);
     ( 399088.9, 3735706.5,       2.6,       2.6,       0.0);         ( 399282.2,
3735706.5,       3.7,       3.7,       0.0);
     ( 399475.4, 3735706.5,       6.4,       6.4,       0.0);         ( 399668.7,
3735706.5,       3.4,       3.4,       0.0);
     ( 399862.0, 3735706.5,       3.6,       3.6,       0.0);         ( 400055.2,
3735706.5,       3.5,       3.5,       0.0);
     ( 400248.5, 3735706.5,       2.6,       2.6,       0.0);         ( 400441.8,
3735706.5,       3.1,       3.1,       0.0);
     ( 400635.1, 3735706.5,       3.2,       3.2,       0.0);         ( 400828.3,
3735706.5,       3.4,       3.4,       0.0);
     ( 401021.6, 3735706.5,       3.0,       3.0,       0.0);         ( 401214.9,
3735706.5,       3.8,       3.8,       0.0);
     ( 401408.1, 3735706.5,       4.0,       4.0,       0.0);         ( 401601.4,
3735706.5,       4.0,       4.0,       0.0);
     ( 401794.7, 3735706.5,       4.5,       4.5,       0.0);         ( 401988.0,
3735706.5,       4.8,       4.8,       0.0);
     ( 402181.2, 3735706.5,       4.9,       4.9,       0.0);         ( 398315.8,
3735882.3,       2.5,       5.9,       0.0);
     ( 398509.1, 3735882.3,       3.2,       3.2,       0.0);         ( 398702.4,
3735882.3,       3.3,       3.3,       0.0);
     ( 398895.6, 3735882.3,      -0.3,       2.4,       0.0);         ( 399088.9,
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3735882.3,   3.1,   3.1,   0.0);
     (399282.2, 3735882.3,   3.2,   3.2,   0.0);   (399475.4,
3735882.3,   4.1,   4.1,   0.0);
     (399668.7, 3735882.3,   3.4,   3.4,   0.0);   (399862.0,
3735882.3,   3.3,   3.3,   0.0);
     (400055.2, 3735882.3,   3.7,   3.7,   0.0);   (400248.5,
3735882.3,   3.4,   3.4,   0.0);
     (400441.8, 3735882.3,   2.9,   2.9,   0.0);   (400635.1,
3735882.3,   2.8,   2.8,   0.0);
     (400828.3, 3735882.3,   3.1,   3.1,   0.0);   (401021.6,
3735882.3,   3.1,   3.1,   0.0);
     (401214.9, 3735882.3,   3.8,   3.8,   0.0);   (401408.1,
3735882.3,   4.1,   4.1,   0.0);
     (401601.4, 3735882.3,   4.5,   4.5,   0.0);   (401794.7,
3735882.3,   4.5,   9.7,   0.0);
     (401988.0, 3735882.3,   4.5,   4.5,   0.0);   (402181.2,
3735882.3,   4.9,   4.9,   0.0);
     (398315.8, 3736058.1,   0.7,   7.5,   0.0);   (398509.1,
3736058.1,   3.1,   5.7,   0.0);
     (398702.4, 3736058.1,   3.3,   3.3,   0.0);   (398895.6,
3736058.1,   1.9,   2.4,   0.0);

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                              (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                          (METERS)

     (399088.9, 3736058.1,   2.5,   2.5,   0.0);   (399282.2,
3736058.1,   2.3,   2.3,   0.0);
     (399475.4, 3736058.1,   2.5,   2.5,   0.0);   (399668.7,
3736058.1,   3.1,   3.1,   0.0);
     (399862.0, 3736058.1,   2.8,   2.8,   0.0);   (400248.5,
3736058.1,   3.3,   3.3,   0.0);
     (400441.8, 3736058.1,   3.0,   3.0,   0.0);   (400635.1,
3736058.1,   3.2,   3.2,   0.0);
     (400828.3, 3736058.1,   3.5,   3.5,   0.0);   (401021.6,
3736058.1,   3.6,   3.6,   0.0);
     (401214.9, 3736058.1,   3.7,   3.7,   0.0);   (401408.1,
3736058.1,   3.8,   3.8,   0.0);
     (401601.4, 3736058.1,   3.7,   3.7,   0.0);   (401794.7,
3736058.1,   3.8,   3.8,   0.0);
     (401988.0, 3736058.1,   4.4,   4.4,   0.0);   (402181.2,
3736058.1,   4.5,   4.5,   0.0);
     (398315.8, 3736233.9,   0.7,   5.8,   0.0);   (398509.1,

```
3736233.9,       3.3,       3.3,       0.0);
     ( 398702.4, 3736233.9,       2.8,       2.8,       0.0);         ( 398895.6,
3736233.9,       2.1,       2.1,       0.0);
     ( 399088.9, 3736233.9,       2.1,       2.1,       0.0);         ( 399282.2,
3736233.9,       2.6,       2.6,       0.0);
     ( 399475.4, 3736233.9,       3.0,       3.0,       0.0);         ( 399668.7,
3736233.9,       3.1,       3.1,       0.0);
     ( 399862.0, 3736233.9,       2.8,       2.8,       0.0);         ( 400248.5,
3736233.9,       2.9,       2.9,       0.0);
     ( 400441.8, 3736233.9,       3.2,       3.2,       0.0);         ( 400635.1,
3736233.9,       3.2,       3.2,       0.0);
     ( 400828.3, 3736233.9,       4.2,       9.2,       0.0);         ( 401021.6,
3736233.9,       6.6,      10.1,       0.0);
     ( 401214.9, 3736233.9,       3.7,       3.7,       0.0);         ( 401408.1,
3736233.9,       3.7,       3.7,       0.0);
     ( 401601.4, 3736233.9,       4.1,       4.1,       0.0);         ( 401794.7,
3736233.9,       5.2,      10.6,       0.0);
     ( 401988.0, 3736233.9,       4.2,       4.2,       0.0);         ( 402181.2,
3736233.9,       5.3,       5.3,       0.0);
     ( 398315.8, 3736409.7,       0.7,       5.5,       0.0);         ( 398509.1,
3736409.7,       3.5,       3.5,       0.0);
     ( 398702.4, 3736409.7,       3.5,       3.5,       0.0);         ( 398895.6,
3736409.7,       2.4,       2.4,       0.0);
     ( 399088.9, 3736409.7,       2.7,       2.7,       0.0);         ( 399282.2,
3736409.7,       2.7,       2.7,       0.0);
     ( 399475.4, 3736409.7,       2.5,       2.5,       0.0);         ( 399668.7,
3736409.7,       2.4,       2.4,       0.0);
     ( 399862.0, 3736409.7,       2.5,       2.5,       0.0);         ( 400055.2,
3736409.7,       2.8,       2.8,       0.0);
     ( 400248.5, 3736409.7,       3.1,       3.1,       0.0);         ( 400441.8,
3736409.7,       3.3,       3.3,       0.0);
     ( 400635.1, 3736409.7,       3.6,       3.6,       0.0);         ( 400828.3,
3736409.7,       4.5,      11.8,       0.0);
     ( 401021.6, 3736409.7,       6.4,       9.1,       0.0);         ( 401214.9,
3736409.7,       4.0,       4.0,       0.0);
     ( 401408.1, 3736409.7,       3.9,       3.9,       0.0);         ( 401601.4,
3736409.7,       4.2,       4.2,       0.0);
     ( 401794.7, 3736409.7,       5.2,      10.8,       0.0);         ( 401988.0,
3736409.7,       4.4,       4.4,       0.0);
     ( 402181.2, 3736409.7,       5.4,       5.4,       0.0);         ( 398315.8,
3736585.6,       0.7,       5.9,       0.0);
     ( 398509.1, 3736585.6,       3.5,       3.5,       0.0);         ( 398702.4,
3736585.6,       3.4,       3.4,       0.0);
     ( 398895.6, 3736585.6,       2.4,       2.4,       0.0);         ( 399088.9,
3736585.6,       2.2,       2.2,       0.0);
     ( 399282.2, 3736585.6,       2.6,       2.6,       0.0);         ( 399475.4,
3736585.6,       2.5,       2.5,       0.0);
     ( 399668.7, 3736585.6,       2.6,       2.6,       0.0);         ( 399862.0,
3736585.6,       2.9,       2.9,       0.0);
     ( 400055.2, 3736585.6,       3.2,       3.2,       0.0);         ( 400248.5,
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3736585.6, 3.3, 3.3, 0.0);
     (400441.8, 3736585.6, 3.5, 3.5, 0.0); (400635.1,
3736585.6, 3.7, 3.7, 0.0);
     (400828.3, 3736585.6, 4.6, 8.8, 0.0); (401021.6,
3736585.6, 6.9, 9.3, 0.0);
     (401214.9, 3736585.6, 4.2, 4.2, 0.0); (401408.1,
3736585.6, 4.3, 4.3, 0.0);
     (401601.4, 3736585.6, 4.6, 4.6, 0.0); (401794.7,
3736585.6, 5.4, 10.2, 0.0);
     (401988.0, 3736585.6, 8.0, 9.4, 0.0); (402181.2,
3736585.6, 4.9, 4.9, 0.0);
     (398315.8, 3736761.4, 0.7, 6.3, 0.0); (398509.1,
3736761.4, 3.3, 3.3, 0.0);
     (398702.4, 3736761.4, 3.4, 3.4, 0.0); (398895.6,
3736761.4, 2.5, 2.5, 0.0);
     (399088.9, 3736761.4, 2.5, 2.5, 0.0); (399282.2,
3736761.4, 2.6, 2.6, 0.0);
     (399475.4, 3736761.4, 2.7, 2.7, 0.0); (399668.7,
3736761.4, 2.6, 2.6, 0.0);
     (399862.0, 3736761.4, 2.3, 2.3, 0.0); (400055.2,
3736761.4, 2.5, 2.5, 0.0);
     (400248.5, 3736761.4, 3.5, 3.5, 0.0); (400441.8,
3736761.4, 3.6, 3.6, 0.0);

                                        *** DISCRETE CARTESIAN RECEPTORS ***
                                      (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                (METERS)

     (400635.1, 3736761.4, 3.8, 3.8, 0.0); (400828.3,
3736761.4, 4.8, 9.0, 0.0);
     (401021.6, 3736761.4, 6.6, 9.5, 0.0); (401214.9,
3736761.4, 5.8, 6.3, 0.0);
     (401408.1, 3736761.4, 4.4, 4.4, 0.0); (401601.4,
3736761.4, 4.8, 4.8, 0.0);
     (401794.7, 3736761.4, 5.4, 10.0, 0.0); (401988.0,
3736761.4, 4.9, 4.9, 0.0);
     (402181.2, 3736761.4, 5.1, 5.1, 0.0); (398315.8,
3736937.2, 0.7, 6.4, 0.0);
     (398509.1, 3736937.2, 3.8, 3.8, 0.0); (398702.4,
3736937.2, 3.6, 3.6, 0.0);
     (398895.6, 3736937.2, 2.8, 2.8, 0.0); (399088.9,
3736937.2, 2.9, 2.9, 0.0);
     (399282.2, 3736937.2, 2.8, 2.8, 0.0); (399475.4,

```
3736937.2,       2.9,       2.9,       0.0);
     ( 399668.7, 3736937.2,       3.2,       3.2,       0.0);         ( 399862.0,
3736937.2,       3.4,       3.4,       0.0);
     ( 400055.2, 3736937.2,       2.7,       2.7,       0.0);         ( 400248.5,
3736937.2,       3.7,       3.7,       0.0);
     ( 400441.8, 3736937.2,       3.8,       3.8,       0.0);         ( 400635.1,
3736937.2,       4.0,       4.0,       0.0);
     ( 400828.3, 3736937.2,       4.9,      12.4,       0.0);         ( 401021.6,
3736937.2,       6.1,      12.1,       0.0);
     ( 401214.9, 3736937.2,       4.6,      12.2,       0.0);         ( 401408.1,
3736937.2,       4.6,       4.6,       0.0);
     ( 401601.4, 3736937.2,       4.8,       4.8,       0.0);         ( 401794.7,
3736937.2,       5.4,      10.0,       0.0);
     ( 401988.0, 3736937.2,       5.0,       5.0,       0.0);         ( 402181.2,
3736937.2,       5.2,       5.2,       0.0);
     ( 398315.8, 3737113.0,       1.0,       6.6,       0.0);         ( 398509.1,
3737113.0,       3.7,       3.7,       0.0);
     ( 398702.4, 3737113.0,       2.1,       2.4,       0.0);         ( 398895.6,
3737113.0,       2.8,       2.8,       0.0);
     ( 399088.9, 3737113.0,       2.9,       2.9,       0.0);         ( 399282.2,
3737113.0,       2.9,       2.9,       0.0);
     ( 399475.4, 3737113.0,       3.0,       3.0,       0.0);         ( 399668.7,
3737113.0,       3.5,       3.5,       0.0);
     ( 399862.0, 3737113.0,       3.5,       3.5,       0.0);         ( 400055.2,
3737113.0,       3.1,       3.1,       0.0);
     ( 400248.5, 3737113.0,       3.3,       3.3,       0.0);         ( 400441.8,
3737113.0,       3.9,       3.9,       0.0);
     ( 400635.1, 3737113.0,       4.1,       4.1,       0.0);         ( 400828.3,
3737113.0,       4.1,       4.1,       0.0);
     ( 401021.6, 3737113.0,       4.3,       4.3,       0.0);         ( 401214.9,
3737113.0,       4.5,       4.5,       0.0);
     ( 401408.1, 3737113.0,       4.6,       4.6,       0.0);         ( 401601.4,
3737113.0,       4.7,       4.7,       0.0);
     ( 401794.7, 3737113.0,       5.0,       5.0,       0.0);         ( 401988.0,
3737113.0,       5.1,       5.1,       0.0);
     ( 402181.2, 3737113.0,       5.3,       5.3,       0.0);         ( 398315.8,
3737288.8,       1.8,       6.8,       0.0);
     ( 398509.1, 3737288.8,       4.4,       4.4,       0.0);         ( 398702.4,
3737288.8,       2.6,       2.6,       0.0);
     ( 398895.6, 3737288.8,       2.5,       2.5,       0.0);         ( 399088.9,
3737288.8,       2.6,       2.6,       0.0);
     ( 399282.2, 3737288.8,       2.9,       2.9,       0.0);         ( 399475.4,
3737288.8,       3.3,       3.3,       0.0);
     ( 399668.7, 3737288.8,       3.3,       3.3,       0.0);         ( 399862.0,
3737288.8,       3.2,       3.2,       0.0);
     ( 400055.2, 3737288.8,       3.5,       3.5,       0.0);         ( 400248.5,
3737288.8,       3.7,       3.7,       0.0);
     ( 400441.8, 3737288.8,       3.8,       3.8,       0.0);         ( 400635.1,
3737288.8,       4.1,       4.1,       0.0);
     ( 400828.3, 3737288.8,       4.3,       4.3,       0.0);         ( 401021.6,
```

3737288.8,   4.6,   4.6,   0.0);
     (401214.9, 3737288.8,   4.7,   4.7,   0.0);   (401408.1,
3737288.8,   4.8,   4.8,   0.0);
     (401601.4, 3737288.8,   5.0,   5.0,   0.0);   (401794.7,
3737288.8,   5.2,   5.2,   0.0);
     (401988.0, 3737288.8,   5.4,   5.4,   0.0);   (402181.2,
3737288.8,   5.6,   5.6,   0.0);
     (398315.8, 3737464.7,   2.9,   6.6,   0.0);   (398509.1,
3737464.7,   4.0,   4.0,   0.0);
     (398702.4, 3737464.7,   2.5,   2.5,   0.0);   (398895.6,
3737464.7,   3.0,   3.0,   0.0);
     (399088.9, 3737464.7,   3.0,   3.0,   0.0);   (399282.2,
3737464.7,   3.2,   3.2,   0.0);
     (399475.4, 3737464.7,   3.4,   3.4,   0.0);   (399668.7,
3737464.7,   3.7,   3.7,   0.0);
     (399862.0, 3737464.7,   3.8,   3.8,   0.0);   (400055.2,
3737464.7,   3.8,   3.8,   0.0);
     (400248.5, 3737464.7,   4.4,   4.4,   0.0);   (400441.8,
3737464.7,   4.9,   4.9,   0.0);
     (400635.1, 3737464.7,   4.0,   4.0,   0.0);   (400828.3,
3737464.7,   4.2,   4.2,   0.0);
     (401021.6, 3737464.7,   4.7,   4.7,   0.0);   (401214.9,
3737464.7,   4.8,   4.8,   0.0);
     (401408.1, 3737464.7,   5.0,   5.0,   0.0);   (401601.4,
3737464.7,   5.1,   5.1,   0.0);

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                        (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                    (METERS)

     (401794.7, 3737464.7,   5.3,   5.3,   0.0);   (401988.0,
3737464.7,   5.5,   5.5,   0.0);
     (402181.2, 3737464.7,   5.7,   5.7,   0.0);   (398315.8,
3737640.5,   3.5,   8.4,   0.0);
     (398509.1, 3737640.5,   3.2,   4.7,   0.0);   (398702.4,
3737640.5,   2.9,   2.9,   0.0);
     (398895.6, 3737640.5,   4.4,   9.4,   0.0);   (399088.9,
3737640.5,   3.1,   3.1,   0.0);
     (399282.2, 3737640.5,   3.9,   14.6,   0.0);   (399475.4,
3737640.5,   6.5,   6.5,   0.0);
     (399668.7, 3737640.5,   5.9,   5.9,   0.0);   (399862.0,
3737640.5,   5.1,   5.1,   0.0);
     (400055.2, 3737640.5,   4.8,   4.8,   0.0);   (400248.5,

```
3737640.5,       4.7,       4.7,       0.0);
     ( 400441.8, 3737640.5,       5.1,      14.0,       0.0);         ( 400635.1,
3737640.5,       5.1,       5.1,       0.0);
     ( 400828.3, 3737640.5,       4.9,       4.9,       0.0);         ( 401021.6,
3737640.5,       5.6,       5.6,       0.0);
     ( 401214.9, 3737640.5,       6.3,       6.3,       0.0);         ( 401408.1,
3737640.5,       6.5,       6.5,       0.0);
     ( 401601.4, 3737640.5,       6.3,       6.3,       0.0);         ( 401794.7,
3737640.5,       6.6,       6.6,       0.0);
     ( 401988.0, 3737640.5,       7.0,       7.0,       0.0);         ( 402181.2,
3737640.5,       7.2,       7.2,       0.0);
     ( 400183.5, 3736330.9,       3.3,       3.3,       0.0);         ( 400058.0,
3736334.2,       3.2,       3.2,       0.0);
     ( 400034.4, 3736332.0,       3.1,       3.1,       0.0);         ( 399992.2,
3736341.0,       3.0,       3.0,       0.0);
     ( 399987.2, 3736329.7,       2.9,       2.9,       0.0);         ( 399960.2,
3736333.1,       2.8,       2.8,       0.0);
     ( 399923.6, 3736330.9,       2.5,       2.5,       0.0);         ( 399928.1,
3736303.9,       2.6,       2.6,       0.0);
     ( 399924.7, 3736261.1,       2.9,       2.9,       0.0);         ( 399970.8,
3736250.4,       2.6,       2.6,       0.0);
     ( 399966.9, 3736222.3,       2.6,       2.6,       0.0);         ( 399984.9,
3736222.9,       2.4,       2.4,       0.0);
     ( 399993.3, 3736034.4,       2.6,       2.6,       0.0);         ( 400179.5,
3736035.5,       3.4,       3.4,       0.0);
     ( 400190.2, 3736035.0,       3.4,       3.4,       0.0);

 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        10:15:03

                                   PAGE  74
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                              *** METEOROLOGICAL DAYS SELECTED FOR
PROCESSING ***
                                                                  (1=YES; 0=NO)

           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
```

NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: ..\LongBeachAirportADJU\KLGB_V9_ADJU\KLGB_v9.SFC
Met Version: 16216
Profile file: ..\LongBeachAirportADJU\KLGB_V9_ADJU\KLGB_v9.PFL

Surface format: FREE

Profile format: FREE

Surface station no.: 23129 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN

Year: 2012 Year: 2012

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
12	01	01	1	01	-5.3	0.094	-9.000	-9.000	-999.	70.	14.3	0.10	2.68	1.00	1.13	322.	7.9	282.0	2.0
12	01	01	1	02	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.10	2.68	1.00	0.00	0.	7.9	281.4	2.0
12	01	01	1	03	-2.5	0.068	-9.000	-9.000	-999.	43.	11.4	0.10	2.68						

```
1.00    0.74   79.    7.9  280.9    2.0
 12 01 01   1 04   -3.2  0.075 -9.000 -9.000 -999.   49.     11.7  0.10   2.68
1.00    0.86  137.    7.9  280.9    2.0
 12 01 01   1 05 -999.0 -9.000 -9.000 -9.000 -999. -999. -99999.0  0.10   2.68
1.00    0.00    0.    7.9  280.4    2.0
 12 01 01   1 06   -5.2  0.093 -9.000 -9.000 -999.   68.     14.0  0.10   2.68
1.00    1.11   92.    7.9  279.9    2.0
 12 01 01   1 07   -2.3  0.066 -9.000 -9.000 -999.   41.     11.5  0.10   2.68
1.00    0.69   67.    7.9  278.8    2.0
 12 01 01   1 08   -1.7  0.060 -9.000 -9.000 -999.   36.     11.4  0.10   2.68
0.54    0.65   91.    7.9  279.9    2.0
 12 01 01   1 09   36.2 -9.000 -9.000 -9.000   37. -999. -99999.0  0.10   2.68
0.31    0.00    0.    7.9  283.8    2.0
 12 01 01   1 10  108.4  0.139  0.707  0.009  119.  124.     -2.3  0.10   2.68
0.24    0.92  319.    7.9  287.5    2.0
 12 01 01   1 11  160.5  0.114  1.137  0.005  334.   93.     -1.0  0.10   2.68
0.21    0.62   23.    7.9  292.5    2.0
 12 01 01   1 12  186.7  0.125  1.473  0.005  623.  105.     -1.0  0.10   2.68
0.20    0.69   18.    7.9  295.4    2.0
 12 01 01   1 13  186.8  0.130  1.761  0.005 1065.  112.     -1.1  0.10   2.68
0.20    0.74  250.    7.9  297.5    2.0
 12 01 01   1 14  161.7  0.150  1.834  0.005 1387.  139.     -1.9  0.10   2.68
0.21    0.96  347.    7.9  300.4    2.0
 12 01 01   1 15  105.5  0.243  1.633  0.005 1499.  288.    -12.4  0.10   2.68
0.24    2.11  194.    7.9  295.9    2.0
 12 01 01   1 16   32.4  0.211  1.109  0.005 1530.  233.    -26.3  0.10   2.68
0.33    1.98  186.    7.9  295.4    2.0
 12 01 01   1 17  -20.5  0.250 -9.000 -9.000 -999.  300.     69.2  0.10   2.68
0.60    2.81  293.    7.9  291.4    2.0
 12 01 01   1 18  -25.4  0.257 -9.000 -9.000 -999.  313.     72.8  0.10   2.68
1.00    2.90  301.    7.9  288.1    2.0
 12 01 01   1 19  -21.0  0.211 -9.000 -9.000 -999.  233.     49.0  0.10   2.68
1.00    2.40  313.    7.9  286.4    2.0
 12 01 01   1 20  -25.7  0.258 -9.000 -9.000 -999.  315.     73.3  0.10   2.68
1.00    2.91  302.    7.9  286.4    2.0
 12 01 01   1 21  -22.5  0.225 -9.000 -9.000 -999.  256.     55.7  0.10   2.68
1.00    2.55  306.    7.9  285.4    2.0
 12 01 01   1 22   -9.3  0.126 -9.000 -9.000 -999.  111.     19.5  0.10   2.68
1.00    1.48  284.    7.9  285.9    2.0
 12 01 01   1 23  -21.4  0.214 -9.000 -9.000 -999.  237.     50.3  0.10   2.68
1.00    2.43  282.    7.9  285.4    2.0
 12 01 01   1 24  -30.1  0.300 -9.000 -9.000 -999.  394.     98.9  0.10   2.68
1.00    3.36  300.    7.9  284.2    2.0


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 12 01 01 01    7.9 1  322.    1.13   282.1   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
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↑ *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                        ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                       ***       10:15:03

                                  PAGE  76
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
                                  INCLUDING SOURCE(S):     STCK1       ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

       X-COORD (M)   Y-COORD (M)        CONC                         X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
         398682.79    3736051.95        0.14693                        398702.79
3736051.95        0.14786
         398722.79    3736051.95        0.14878                        398742.79
3736051.95        0.14970
         398762.79    3736051.95        0.15055                        398782.79
3736051.95        0.15144
         398802.79    3736051.95        0.15218                        398822.79
3736051.95        0.15279
         398842.79    3736051.95        0.15336                        398862.79
3736051.95        0.15417
         398882.79    3736051.95        0.14670                        398902.79
3736051.95        0.15506
         398922.79    3736051.95        0.15573                        398942.79
3736051.95        0.15540
         398962.79    3736051.95        0.15572                        398982.79
3736051.95        0.15745
         399002.79    3736051.95        0.15815                        399022.79
3736051.95        0.15871
         399042.79    3736051.95        0.15932                        399062.79
3736051.95        0.15999
         399082.79    3736051.95        0.16038                        399102.79
3736051.95        0.16073
         399122.79    3736051.95        0.16098                        399142.79
3736051.95        0.16121
         399162.79    3736051.95        0.16130                        399182.79
3736051.95        0.16147
         399202.79    3736051.95        0.16177                        399222.79
3736051.95        0.16189
```

399242.79	3736051.95	0.16162	399262.79	3736051.95	0.16156
399282.79	3736051.95	0.16131	399302.79	3736051.95	0.16151
399322.79	3736051.95	0.16183	399342.79	3736051.95	0.16186
399362.79	3736051.95	0.16204	399382.79	3736051.95	0.16219
399402.79	3736051.95	0.16251	399422.79	3736051.95	0.16281
399442.79	3736051.95	0.16335	399462.79	3736051.95	0.16390
399482.79	3736051.95	0.16450	399502.79	3736051.95	0.16526
399522.79	3736051.95	0.16644	399542.79	3736051.95	0.16792
399562.79	3736051.95	0.16930	399582.79	3736051.95	0.17105
399602.79	3736051.95	0.17325	399622.79	3736051.95	0.17572
399642.79	3736051.95	0.17870	399662.79	3736051.95	0.18227
399682.79	3736051.95	0.18630	399702.79	3736051.95	0.19086
399722.79	3736051.95	0.19600	399742.79	3736051.95	0.20197
399762.79	3736051.95	0.20913	399782.79	3736051.95	0.21760
399802.79	3736051.95	0.22674	399822.79	3736051.95	0.23757
399842.79	3736051.95	0.25077	399862.79	3736051.95	0.26541
399882.79	3736051.95	0.28269	399902.79	3736051.95	0.30362
399922.79	3736051.95	0.32807	399942.79	3736051.95	0.35626
399962.79	3736051.95	0.38967	399982.79	3736051.95	0.42554
398682.79	3736071.95	0.14650	398702.79	3736071.95	0.14741
398722.79	3736071.95	0.14833	398742.79	3736071.95	0.14925
398762.79	3736071.95	0.15016	398782.79	3736071.95	0.15108
398802.79	3736071.95	0.15199	398822.79	3736071.95	0.15282
398842.79	3736071.95	0.15264	398862.79	3736071.95	0.15331
398882.79	3736071.95	0.14645	398902.79	3736071.95	0.15471

         398962.79   3736071.95   0.15479   398982.79
3736071.95   0.15801
         399002.79   3736071.95   0.15875   399022.79
3736071.95   0.15926
         399042.79   3736071.95   0.15982   399062.79
3736071.95   0.16029
         399082.79   3736071.95   0.16066   399102.79
3736071.95   0.16107
         399122.79   3736071.95   0.16133   399142.79
3736071.95   0.16159
         399162.79   3736071.95   0.16133   399182.79
3736071.95   0.16162
         399202.79   3736071.95   0.16152   399222.79
3736071.95   0.16160
         399242.79   3736071.95   0.16069   399262.79
3736071.95   0.16122
         399282.79   3736071.95   0.16117   399302.79
3736071.95   0.16084
         399322.79   3736071.95   0.16128   399342.79
3736071.95   0.16164
         399362.79   3736071.95   0.16174   399382.79
3736071.95   0.16166
         399402.79   3736071.95   0.16117   399422.79
3736071.95   0.16131
         399442.79   3736071.95   0.16189   399462.79
3736071.95   0.16262

399482.79 3736071.95 0.16330 399502.79
3736071.95 0.16407
399522.79 3736071.95 0.16551 399542.79
3736071.95 0.16768
399562.79 3736071.95 0.16895 399582.79
3736071.95 0.17070
399602.79 3736071.95 0.17277 399622.79
3736071.95 0.17526
399642.79 3736071.95 0.17815 399662.79
3736071.95 0.18154
399682.79 3736071.95 0.18557 399702.79
3736071.95 0.18992
399722.79 3736071.95 0.19517 399742.79
3736071.95 0.20089
399762.79 3736071.95 0.20784 399782.79
3736071.95 0.21577
399802.79 3736071.95 0.22534 399822.79
3736071.95 0.23606
399842.79 3736071.95 0.24856 399862.79
3736071.95 0.26253
399882.79 3736071.95 0.27967 399902.79
3736071.95 0.29973
399922.79 3736071.95 0.32263 399942.79
3736071.95 0.34988
399962.79 3736071.95 0.38182 399982.79
3736071.95 0.41802
398682.79 3736091.95 0.14606 398702.79
3736091.95 0.14697
398722.79 3736091.95 0.14788 398742.79
3736091.95 0.14879
398762.79 3736091.95 0.14970 398782.79
3736091.95 0.15060
398802.79 3736091.95 0.15151 398822.79
3736091.95 0.15218
398842.79 3736091.95 0.15164 398862.79
3736091.95 0.15199
398882.79 3736091.95 0.14603 398902.79
3736091.95 0.15348
398922.79 3736091.95 0.15418 398942.79
3736091.95 0.15411
398962.79 3736091.95 0.15360 398982.79
3736091.95 0.15738
399002.79 3736091.95 0.15794 399022.79
3736091.95 0.15856
399042.79 3736091.95 0.15920 399062.79
3736091.95 0.15984
399082.79 3736091.95 0.16002 399102.79
3736091.95 0.16033
399122.79 3736091.95 0.16058 399142.79
3736091.95 0.16096

```
         399162.79    3736091.95        0.16052                       399182.79
3736091.95        0.16038
         399202.79    3736091.95        0.16030                       399222.79
3736091.95        0.16019
↑ *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                        ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        10:15:03

                                  PAGE  78
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
                                  INCLUDING SOURCE(S):     STCK1       ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
         399242.79    3736091.95        0.16030                       399262.79
3736091.95        0.16113
         399282.79    3736091.95        0.16114                       399302.79
3736091.95        0.16122
         399322.79    3736091.95        0.16089                       399342.79
3736091.95        0.16120
         399362.79    3736091.95        0.16142                       399382.79
3736091.95        0.16172
         399402.79    3736091.95        0.16116                       399422.79
3736091.95        0.16095
         399442.79    3736091.95        0.16172                       399462.79
3736091.95        0.16273
         399482.79    3736091.95        0.16282                       399502.79
3736091.95        0.16330
         399522.79    3736091.95        0.16410                       399542.79
3736091.95        0.16563
         399562.79    3736091.95        0.16761                       399582.79
3736091.95        0.16969
         399602.79    3736091.95        0.17138                       399622.79
3736091.95        0.17352
         399642.79    3736091.95        0.17655                       399662.79
3736091.95        0.17951
         399682.79    3736091.95        0.18334                       399702.79
3736091.95        0.18784
```

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         399722.79    3736091.95        0.19298                    399742.79
3736091.95        0.19899
         399762.79    3736091.95        0.20569                    399782.79
3736091.95        0.21205
         399802.79    3736091.95        0.22121                    399822.79
3736091.95        0.23237
         399842.79    3736091.95        0.24444                    399862.79
3736091.95        0.25841
         399882.79    3736091.95        0.27421                    399902.79
3736091.95        0.29240
         399922.79    3736091.95        0.31384                    399942.79
3736091.95        0.33931
         399962.79    3736091.95        0.36977                    399982.79
3736091.95        0.40549
         398682.79    3736111.95        0.14562                    398702.79
3736111.95        0.14653
         398722.79    3736111.95        0.14743                    398742.79
3736111.95        0.14834
         398762.79    3736111.95        0.14924                    398782.79
3736111.95        0.15014
         398802.79    3736111.95        0.15104                    398822.79
3736111.95        0.15193
         398842.79    3736111.95        0.15254                    398862.79
3736111.95        0.15143
         398882.79    3736111.95        0.14611                    398902.79
3736111.95        0.15259
         398922.79    3736111.95        0.15309                    398942.79
3736111.95        0.15340
         398962.79    3736111.95        0.15187                    398982.79
3736111.95        0.15647
         399002.79    3736111.95        0.15675                    399022.79
3736111.95        0.15781
         399042.79    3736111.95        0.15847                    399062.79
3736111.95        0.15938
         399082.79    3736111.95        0.15924                    399102.79
3736111.95        0.15908
         399122.79    3736111.95        0.15953                    399142.79
3736111.95        0.16038
         399162.79    3736111.95        0.15994                    399182.79
3736111.95        0.15949
         399202.79    3736111.95        0.15953                    399222.79
3736111.95        0.15945
         399242.79    3736111.95        0.15954                    399262.79
3736111.95        0.16019
         399282.79    3736111.95        0.16074                    399302.79
3736111.95        0.16081
         399322.79    3736111.95        0.16043                    399342.79
3736111.95        0.16069
         399362.79    3736111.95        0.16053                    399382.79
3736111.95        0.16106
```

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
399402.79	3736111.95	0.16055	399422.79	3736111.95	0.16057
399442.79	3736111.95	0.16191	399462.79	3736111.95	0.16245
399482.79	3736111.95	0.16307	399502.79	3736111.95	0.16324
399522.79	3736111.95	0.16328	399542.79	3736111.95	0.16417
399562.79	3736111.95	0.16592	399582.79	3736111.95	0.16823
399602.79	3736111.95	0.17056	399622.79	3736111.95	0.17253
399642.79	3736111.95	0.17483	399662.79	3736111.95	0.17767
399682.79	3736111.95	0.18181	399702.79	3736111.95	0.18611
399722.79	3736111.95	0.19116	399742.79	3736111.95	0.19705
399762.79	3736111.95	0.20283	399782.79	3736111.95	0.20916
399802.79	3736111.95	0.21745	399822.79	3736111.95	0.22767
399842.79	3736111.95	0.23974	399862.79	3736111.95	0.25301
399882.79	3736111.95	0.26778	399902.79	3736111.95	0.28732
399922.79	3736111.95	0.30802	399942.79	3736111.95	0.33100

399962.79	3736111.95	0.35953	399982.79	3736111.95	0.39387
398682.79	3736131.95	0.14520	398702.79	3736131.95	0.14609
398722.79	3736131.95	0.14699	398742.79	3736131.95	0.14749
398762.79	3736131.95	0.14859	398782.79	3736131.95	0.14955
398802.79	3736131.95	0.15058	398822.79	3736131.95	0.15122
398842.79	3736131.95	0.15235	398862.79	3736131.95	0.15085
398882.79	3736131.95	0.14595	398902.79	3736131.95	0.15194
398922.79	3736131.95	0.15285	398942.79	3736131.95	0.15348
398962.79	3736131.95	0.15137	398982.79	3736131.95	0.15326
399002.79	3736131.95	0.15643	399022.79	3736131.95	0.15767
399042.79	3736131.95	0.15822	399062.79	3736131.95	0.15868
399082.79	3736131.95	0.15814	399102.79	3736131.95	0.15821
399122.79	3736131.95	0.15884	399142.79	3736131.95	0.15980
399162.79	3736131.95	0.15972	399182.79	3736131.95	0.15959
399202.79	3736131.95	0.15960	399222.79	3736131.95	0.15968
399242.79	3736131.95	0.15907	399262.79	3736131.95	0.15999
399282.79	3736131.95	0.16054	399302.79	3736131.95	0.15997
399322.79	3736131.95	0.15982	399342.79	3736131.95	0.16024
399362.79	3736131.95	0.15997	399382.79	3736131.95	0.16033
399402.79	3736131.95	0.15994	399422.79	3736131.95	0.16074
399442.79	3736131.95	0.16140	399462.79	3736131.95	0.16153
399482.79	3736131.95	0.16239	399502.79	3736131.95	0.16294
399522.79	3736131.95	0.16396	399542.79	3736131.95	0.16394
399562.79	3736131.95	0.16478	399582.79	3736131.95	0.16628
399602.79	3736131.95	0.16879	399622.79	3736131.95	0.17107

398882.79	3736151.95	0.14488	398902.79	3736151.95	0.15154
398922.79	3736151.95	0.15314	398942.79	3736151.95	0.15370
398962.79	3736151.95	0.15419	398982.79	3736151.95	0.15257
399002.79	3736151.95	0.15197	399022.79	3736151.95	0.15572
399042.79	3736151.95	0.15759	399062.79	3736151.95	0.15789
399082.79	3736151.95	0.15736	399102.79	3736151.95	0.15776
399122.79	3736151.95	0.15867	399142.79	3736151.95	0.15890
399162.79	3736151.95	0.15929	399182.79	3736151.95	0.15926
399202.79	3736151.95	0.15904	399222.79	3736151.95	0.15882
399242.79	3736151.95	0.15877	399262.79	3736151.95	0.15952
399282.79	3736151.95	0.15965	399302.79	3736151.95	0.15918
399322.79	3736151.95	0.15947	399342.79	3736151.95	0.16028
399362.79	3736151.95	0.16003	399382.79	3736151.95	0.15999
399402.79	3736151.95	0.15976	399422.79	3736151.95	0.16007
399442.79	3736151.95	0.16029	399462.79	3736151.95	0.16134
399482.79	3736151.95	0.16160	399502.79	3736151.95	0.16289
399522.79	3736151.95	0.16357	399542.79	3736151.95	0.16463
399562.79	3736151.95	0.16520	399582.79	3736151.95	0.16553
399602.79	3736151.95	0.16715	399622.79	3736151.95	0.16942
399642.79	3736151.95	0.17195	399662.79	3736151.95	0.17594
399682.79	3736151.95	0.17926	399702.79	3736151.95	0.18323
399722.79	3736151.95	0.18751	399742.79	3736151.95	0.19154
399762.79	3736151.95	0.19767	399782.79	3736151.95	0.20450
399802.79	3736151.95	0.21234	399822.79	3736151.95	0.22156
399842.79	3736151.95	0.23141	399862.79	3736151.95	0.24415

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         399882.79    3736151.95        0.25942                       399902.79
3736151.95        0.27698
         399922.79    3736151.95        0.29690                       399942.79
3736151.95        0.31909
         399962.79    3736151.95        0.34581                       399982.79
3736151.95        0.37422
         398682.79    3736171.95        0.14053                       398702.79
3736171.95        0.14527
         398722.79    3736171.95        0.14616                       398742.79
3736171.95        0.14704
```



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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     STCK1       ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         398762.79    3736171.95        0.14793                       398782.79
3736171.95        0.14881
         398802.79    3736171.95        0.14947                       398822.79
3736171.95        0.15034
         398842.79    3736171.95        0.15145                       398862.79
3736171.95        0.14957
         398882.79    3736171.95        0.14498                       398902.79
3736171.95        0.15120
         398922.79    3736171.95        0.15285                       398942.79
3736171.95        0.15338
         398962.79    3736171.95        0.15503                       398982.79
3736171.95        0.15543
         399002.79    3736171.95        0.15446                       399022.79
3736171.95        0.15197
         399042.79    3736171.95        0.15414                       399062.79
3736171.95        0.15665
         399082.79    3736171.95        0.15681                       399102.79
3736171.95        0.15779
```

399122.79 3736171.95 0.15802 399142.79
3736171.95 0.15768
399162.79 3736171.95 0.15797 399182.79
3736171.95 0.15868
399202.79 3736171.95 0.15875 399222.79
3736171.95 0.15794
399242.79 3736171.95 0.15862 399262.79
3736171.95 0.15855
399282.79 3736171.95 0.15858 399302.79
3736171.95 0.15866
399322.79 3736171.95 0.15966 399342.79
3736171.95 0.15972
399362.79 3736171.95 0.15983 399382.79
3736171.95 0.15988
399402.79 3736171.95 0.15987 399422.79
3736171.95 0.15979
399442.79 3736171.95 0.16035 399462.79
3736171.95 0.16077
399482.79 3736171.95 0.16128 399502.79
3736171.95 0.16232
399522.79 3736171.95 0.16316 399542.79
3736171.95 0.16403
399562.79 3736171.95 0.16504 399582.79
3736171.95 0.16625
399602.79 3736171.95 0.16706 399622.79
3736171.95 0.16880
399642.79 3736171.95 0.17118 399662.79
3736171.95 0.17463
399682.79 3736171.95 0.17822 399702.79
3736171.95 0.18194
399722.79 3736171.95 0.18521 399742.79
3736171.95 0.18929
399762.79 3736171.95 0.19526 399782.79
3736171.95 0.20239
399802.79 3736171.95 0.21034 399822.79
3736171.95 0.21878
399842.79 3736171.95 0.22847 399862.79
3736171.95 0.24109
399882.79 3736171.95 0.25640 399902.79
3736171.95 0.27289
399922.79 3736171.95 0.29175 399942.79
3736171.95 0.31321
399962.79 3736171.95 0.33792 399982.79
3736171.95 0.36495
398682.79 3736191.95 0.13989 398702.79
3736191.95 0.14488
398722.79 3736191.95 0.14560 398742.79
3736191.95 0.14665
398762.79 3736191.95 0.14753 398782.79
3736191.95 0.14841

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         398802.79    3736191.95        0.14929                      398822.79
3736191.95        0.14881
         398842.79    3736191.95        0.15047                      398862.79
3736191.95        0.14891
         398882.79    3736191.95        0.14515                      398902.79
3736191.95        0.15086
         398922.79    3736191.95        0.15254                      398942.79
3736191.95        0.15355
         398962.79    3736191.95        0.15464                      398982.79
3736191.95        0.15490
         399002.79    3736191.95        0.15597                      399022.79
3736191.95        0.15538
↑ *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                     ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                       ***       10:15:03

                                  PAGE  82
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
                                  INCLUDING SOURCE(S):     STCK1       ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
         399042.79    3736191.95        0.15308                      399062.79
3736191.95        0.15248
         399082.79    3736191.95        0.15581                      399102.79
3736191.95        0.15746
         399122.79    3736191.95        0.15763                      399142.79
3736191.95        0.15726
         399162.79    3736191.95        0.15712                      399182.79
3736191.95        0.15731
         399202.79    3736191.95        0.15770                      399222.79
3736191.95        0.15830
         399242.79    3736191.95        0.15890                      399262.79
3736191.95        0.15834
         399282.79    3736191.95        0.15820                      399302.79
3736191.95        0.15846
         399322.79    3736191.95        0.15936                      399342.79
3736191.95        0.15949
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         399362.79    3736191.95        0.15950                    399382.79
3736191.95        0.15959
         399402.79    3736191.95        0.15973                    399422.79
3736191.95        0.15965
         399442.79    3736191.95        0.15997                    399462.79
3736191.95        0.16042
         399482.79    3736191.95        0.16111                    399502.79
3736191.95        0.16175
         399522.79    3736191.95        0.16281                    399542.79
3736191.95        0.16358
         399562.79    3736191.95        0.16435                    399582.79
3736191.95        0.16602
         399602.79    3736191.95        0.16759                    399622.79
3736191.95        0.16916
         399642.79    3736191.95        0.17072                    399662.79
3736191.95        0.17318
         399682.79    3736191.95        0.17663                    399702.79
3736191.95        0.18096
         399722.79    3736191.95        0.18448                    399742.79
3736191.95        0.18849
         399762.79    3736191.95        0.19378                    399782.79
3736191.95        0.20044
         399802.79    3736191.95        0.20816                    399822.79
3736191.95        0.21637
         399842.79    3736191.95        0.22645                    399862.79
3736191.95        0.23879
         399882.79    3736191.95        0.25333                    399902.79
3736191.95        0.26922
         399922.79    3736191.95        0.28716                    399942.79
3736191.95        0.30742
         399962.79    3736191.95        0.32961                    399982.79
3736191.95        0.35612
         398682.79    3736211.95        0.13951                    398702.79
3736211.95        0.14377
         398722.79    3736211.95        0.14540                    398742.79
3736211.95        0.14616
         398762.79    3736211.95        0.14716                    398782.79
3736211.95        0.14804
         398802.79    3736211.95        0.14891                    398822.79
3736211.95        0.14828
         398842.79    3736211.95        0.15066                    398862.79
3736211.95        0.14790
         398882.79    3736211.95        0.14528                    398902.79
3736211.95        0.15056
         398922.79    3736211.95        0.15234                    398942.79
3736211.95        0.15325
         398962.79    3736211.95        0.15373                    398982.79
3736211.95        0.15473
         399002.79    3736211.95        0.15532                    399022.79
3736211.95        0.15584
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         399042.79    3736211.95        0.15577                             399062.79
3736211.95        0.15460
         399082.79    3736211.95        0.15208                             399102.79
3736211.95        0.15440
         399122.79    3736211.95        0.15700                             399142.79
3736211.95        0.15743
         399162.79    3736211.95        0.15723                             399182.79
3736211.95        0.15671
         399202.79    3736211.95        0.15736                             399222.79
3736211.95        0.15858
         399242.79    3736211.95        0.15869                             399262.79
3736211.95        0.15879
         399282.79    3736211.95        0.15839                             399302.79
3736211.95        0.15825
↑ *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                        ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                       ***       10:15:03

                                 PAGE  83
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                             *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
                                 INCLUDING SOURCE(S):     STCK1       ,

                                            *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                    **

       X-COORD (M)   Y-COORD (M)        CONC                              X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
         399322.79    3736211.95        0.15841                             399342.79
3736211.95        0.15887
         399362.79    3736211.95        0.15928                             399382.79
3736211.95        0.15932
         399402.79    3736211.95        0.15946                             399422.79
3736211.95        0.15980
         399442.79    3736211.95        0.15997                             399462.79
3736211.95        0.16055
         399482.79    3736211.95        0.16081                             399502.79
3736211.95        0.16184
         399522.79    3736211.95        0.16267                             399542.79
3736211.95        0.16355
         399562.79    3736211.95        0.16460                             399582.79
3736211.95        0.16588
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         399602.79    3736211.95        0.16744                    399622.79
3736211.95        0.16931
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3736211.95        0.17315
         399682.79    3736211.95        0.17581                    399702.79
3736211.95        0.17920
         399722.79    3736211.95        0.18359                    399742.79
3736211.95        0.18862
         399762.79    3736211.95        0.19368                    399782.79
3736211.95        0.19948
         399802.79    3736211.95        0.20662                    399822.79
3736211.95        0.21500
         399842.79    3736211.95        0.22526                    399862.79
3736211.95        0.23726
         399882.79    3736211.95        0.25109                    399902.79
3736211.95        0.26651
         399922.79    3736211.95        0.28349                    399942.79
3736211.95        0.30267
         399962.79    3736211.95        0.32331                    399982.79
3736211.95        0.34813
         398682.79    3736231.95        0.13920                    398702.79
3736231.95        0.14341
         398722.79    3736231.95        0.14506                    398742.79
3736231.95        0.14589
         398762.79    3736231.95        0.14681                    398782.79
3736231.95        0.14769
         398802.79    3736231.95        0.14843                    398822.79
3736231.95        0.14796
         398842.79    3736231.95        0.15031                    398862.79
3736231.95        0.14734
         398882.79    3736231.95        0.14551                    398902.79
3736231.95        0.15037
         398922.79    3736231.95        0.15214                    398942.79
3736231.95        0.15254
         398962.79    3736231.95        0.15310                    398982.79
3736231.95        0.15390
         399002.79    3736231.95        0.15476                    399022.79
3736231.95        0.15562
         399042.79    3736231.95        0.15518                    399062.79
3736231.95        0.15619
         399082.79    3736231.95        0.15590                    399102.79
3736231.95        0.15299
         399122.79    3736231.95        0.15266                    399142.79
3736231.95        0.15596
         399162.79    3736231.95        0.15731                    399182.79
3736231.95        0.15652
         399202.79    3736231.95        0.15784                    399222.79
3736231.95        0.15849
         399242.79    3736231.95        0.15872                    399262.79
3736231.95        0.15856
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         399602.79   3736231.95   0.16762   399622.79
3736231.95   0.16948
         399642.79   3736231.95   0.17169   399662.79
3736231.95   0.17403
         399682.79   3736231.95   0.17674   399702.79
3736231.95   0.17915
         399722.79   3736231.95   0.18289   399742.79
3736231.95   0.18786
         399762.79   3736231.95   0.19371   399782.79
3736231.95   0.19977
         399802.79   3736231.95   0.20602   399822.79
3736231.95   0.21467

399842.79 3736231.95 0.22516 399862.79
3736231.95 0.23624
399882.79 3736231.95 0.24913 399902.79
3736231.95 0.26365
399922.79 3736231.95 0.27978 399942.79
3736231.95 0.29800
399962.79 3736231.95 0.31857 398682.79
3736251.95 0.13890
398702.79 3736251.95 0.14341 398722.79
3736251.95 0.14448
398742.79 3736251.95 0.14562 398762.79
3736251.95 0.14650
398782.79 3736251.95 0.14738 398802.79
3736251.95 0.14708
398822.79 3736251.95 0.14843 398842.79
3736251.95 0.15000
398862.79 3736251.95 0.14651 398882.79
3736251.95 0.14599
398902.79 3736251.95 0.15026 398922.79
3736251.95 0.15187
398942.79 3736251.95 0.15233 398962.79
3736251.95 0.15279
398982.79 3736251.95 0.15343 399002.79
3736251.95 0.15405
399022.79 3736251.95 0.15465 399042.79
3736251.95 0.15563
399062.79 3736251.95 0.15643 399082.79
3736251.95 0.15673
399102.79 3736251.95 0.15668 399122.79
3736251.95 0.15477
399142.79 3736251.95 0.15217 399162.79
3736251.95 0.15481
399182.79 3736251.95 0.15674 399202.79
3736251.95 0.15774
399222.79 3736251.95 0.15798 399242.79
3736251.95 0.15850
399262.79 3736251.95 0.15806 399282.79
3736251.95 0.15832
399302.79 3736251.95 0.15922 399322.79
3736251.95 0.15942
399342.79 3736251.95 0.15910 399362.79
3736251.95 0.15920
399382.79 3736251.95 0.15924 399402.79
3736251.95 0.15970
399422.79 3736251.95 0.15993 399442.79
3736251.95 0.16058
399462.79 3736251.95 0.16121 399482.79
3736251.95 0.16179
399502.79 3736251.95 0.16194 399522.79
3736251.95 0.16289

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
399902.79	3736251.95	0.26071	399922.79	3736251.95	0.27611
399942.79	3736251.95	0.29268	399962.79	3736251.95	0.31174
398682.79	3736271.95	0.13862	398702.79	3736271.95	0.14329
398722.79	3736271.95	0.14447	398742.79	3736271.95	0.14534
398762.79	3736271.95	0.14567	398782.79	3736271.95	0.14657

398802.79	3736271.95	0.14798	398822.79	3736271.95	0.14667
398842.79	3736271.95	0.14974	398862.79	3736271.95	0.14589
398882.79	3736271.95	0.14642	398902.79	3736271.95	0.15019
398922.79	3736271.95	0.15178	398942.79	3736271.95	0.15225
398962.79	3736271.95	0.15267	398982.79	3736271.95	0.15314
399002.79	3736271.95	0.15380	399022.79	3736271.95	0.15437
399042.79	3736271.95	0.15524	399062.79	3736271.95	0.15612
399082.79	3736271.95	0.15693	399102.79	3736271.95	0.15694
399122.79	3736271.95	0.15727	399142.79	3736271.95	0.15585
399162.79	3736271.95	0.15367	399182.79	3736271.95	0.15344
399202.79	3736271.95	0.15665	399222.79	3736271.95	0.15785
399242.79	3736271.95	0.15813	399262.79	3736271.95	0.15803
399282.79	3736271.95	0.15884	399302.79	3736271.95	0.15968
399322.79	3736271.95	0.15959	399342.79	3736271.95	0.15975
399362.79	3736271.95	0.15967	399382.79	3736271.95	0.15976
399402.79	3736271.95	0.15991	399422.79	3736271.95	0.16019
399442.79	3736271.95	0.16045	399462.79	3736271.95	0.16126
399482.79	3736271.95	0.16208	399502.79	3736271.95	0.16254
399522.79	3736271.95	0.16316	399542.79	3736271.95	0.16477
399562.79	3736271.95	0.16574	399582.79	3736271.95	0.16707
399602.79	3736271.95	0.16853	399622.79	3736271.95	0.17072
399642.79	3736271.95	0.17302	399662.79	3736271.95	0.17544
399682.79	3736271.95	0.17827	399702.79	3736271.95	0.18148
399722.79	3736271.95	0.18458	399742.79	3736271.95	0.18911
399762.79	3736271.95	0.19317	399782.79	3736271.95	0.19943

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         399802.79    3736271.95        0.20704                      399822.79
3736271.95        0.21571
         399842.79    3736271.95        0.22478                      399862.79
3736271.95        0.23433
         399882.79    3736271.95        0.24563                      399902.79
3736271.95        0.25754
         399922.79    3736271.95        0.27143                      398682.79
3736291.95        0.13837
         398702.79    3736291.95        0.14333                      398722.79
3736291.95        0.14385
         398742.79    3736291.95        0.14493                      398762.79
3736291.95        0.14593
         398782.79    3736291.95        0.14674                      398802.79
3736291.95        0.14657
         398822.79    3736291.95        0.14817                      398842.79
3736291.95        0.14951
         398862.79    3736291.95        0.14511                      398882.79
3736291.95        0.14693
         398902.79    3736291.95        0.15011                      398922.79
3736291.95        0.15175
♠ *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        10:15:03

                                  PAGE  86
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     STCK1       ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                         X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         398942.79    3736291.95        0.15261                      398962.79
3736291.95        0.15325
         398982.79    3736291.95        0.15320                      399002.79
3736291.95        0.15372
         399022.79    3736291.95        0.15442                      399042.79
3736291.95        0.15500
         399062.79    3736291.95        0.15558                      399082.79
3736291.95        0.15641
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         399102.79    3736291.95        0.15684                    399122.79
3736291.95        0.15724
         399142.79    3736291.95        0.15649                    399162.79
3736291.95        0.15727
         399182.79    3736291.95        0.15553                    399202.79
3736291.95        0.15311
         399222.79    3736291.95        0.15577                    399242.79
3736291.95        0.15788
         399262.79    3736291.95        0.15891                    399282.79
3736291.95        0.15940
         399302.79    3736291.95        0.15975                    399322.79
3736291.95        0.16014
         399342.79    3736291.95        0.16013                    399362.79
3736291.95        0.16024
         399382.79    3736291.95        0.16068                    399402.79
3736291.95        0.16054
         399422.79    3736291.95        0.16071                    399442.79
3736291.95        0.16086
         399462.79    3736291.95        0.16133                    399482.79
3736291.95        0.16194
         399502.79    3736291.95        0.16301                    399522.79
3736291.95        0.16437
         399542.79    3736291.95        0.16531                    399562.79
3736291.95        0.16684
         399582.79    3736291.95        0.16815                    399602.79
3736291.95        0.16972
         399622.79    3736291.95        0.17149                    399642.79
3736291.95        0.17397
         399662.79    3736291.95        0.17596                    399682.79
3736291.95        0.17917
         399702.79    3736291.95        0.18167                    399722.79
3736291.95        0.18539
         399742.79    3736291.95        0.18919                    399762.79
3736291.95        0.19304
         399782.79    3736291.95        0.20054                    399802.79
3736291.95        0.20810
         399822.79    3736291.95        0.21528                    399842.79
3736291.95        0.22378
         399862.79    3736291.95        0.23287                    399882.79
3736291.95        0.24292
         399902.79    3736291.95        0.25403                    399922.79
3736291.95        0.26738
         398682.79    3736311.95        0.13815                    398702.79
3736311.95        0.14311
         398722.79    3736311.95        0.14400                    398742.79
3736311.95        0.14488
         398762.79    3736311.95        0.14577                    398782.79
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         398802.79    3736311.95        0.14618                    398822.79
3736311.95        0.14844
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         398842.79    3736311.95        0.14932                        398862.79
3736311.95        0.14425
         398882.79    3736311.95        0.14725                        398902.79
3736311.95        0.15004
         398922.79    3736311.95        0.15158                        398942.79
3736311.95        0.15254
         398962.79    3736311.95        0.15307                        398982.79
3736311.95        0.15395
         399002.79    3736311.95        0.15444                        399022.79
3736311.95        0.15458
         399042.79    3736311.95        0.15519                        399062.79
3736311.95        0.15569
         399082.79    3736311.95        0.15613                        399102.79
3736311.95        0.15699
         399122.79    3736311.95        0.15736                        399142.79
3736311.95        0.15686
         399162.79    3736311.95        0.15813                        399182.79
3736311.95        0.15774
         399202.79    3736311.95        0.15758                        399222.79
3736311.95        0.15419
         399242.79    3736311.95        0.15464                        399262.79
3736311.95        0.15824
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        10:15:03

                                  PAGE  87
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     STCK1       ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         399282.79    3736311.95        0.15978                        399302.79
3736311.95        0.15992
         399322.79    3736311.95        0.16054                        399342.79
3736311.95        0.16077
         399362.79    3736311.95        0.16097                        399382.79
3736311.95        0.16128
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399402.79 3736311.95 0.16150 399422.79
3736311.95 0.16157
399442.79 3736311.95 0.16178 399462.79
3736311.95 0.16214
399482.79 3736311.95 0.16253 399502.79
3736311.95 0.16336
399522.79 3736311.95 0.16458 399542.79
3736311.95 0.16619
399562.79 3736311.95 0.16771 399582.79
3736311.95 0.16858
399602.79 3736311.95 0.17007 399622.79
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399642.79 3736311.95 0.17452 399662.79
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399682.79 3736311.95 0.17965 399702.79
3736311.95 0.18243
399722.79 3736311.95 0.18643 399742.79
3736311.95 0.18877
399762.79 3736311.95 0.19351 399782.79
3736311.95 0.20070
399802.79 3736311.95 0.20775 399822.79
3736311.95 0.21479
399842.79 3736311.95 0.22249 399862.79
3736311.95 0.23044
399882.79 3736311.95 0.23938 399902.79
3736311.95 0.24982
399922.79 3736311.95 0.26120 398682.79
3736331.95 0.13798
398702.79 3736331.95 0.14292 398722.79
3736331.95 0.14361
398742.79 3736331.95 0.14470 398762.79
3736331.95 0.14560
398782.79 3736331.95 0.14627 398802.79
3736331.95 0.14717
398822.79 3736331.95 0.14801 398842.79
3736331.95 0.14918
398862.79 3736331.95 0.14360 398882.79
3736331.95 0.14756
398902.79 3736331.95 0.14996 398922.79
3736331.95 0.15122
398942.79 3736331.95 0.15232 398962.79
3736331.95 0.15326
398982.79 3736331.95 0.15431 399002.79
3736331.95 0.15452
399022.79 3736331.95 0.15527 399042.79
3736331.95 0.15565
399062.79 3736331.95 0.15615 399082.79
3736331.95 0.15666
399102.79 3736331.95 0.15731 399122.79
3736331.95 0.15744

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         399142.79    3736331.95        0.15724                       399162.79
3736331.95        0.15852
         399182.79    3736331.95        0.15836                       399202.79
3736331.95        0.15897
         399222.79    3736331.95        0.15900                       399242.79
3736331.95        0.15665
         399262.79    3736331.95        0.15448                       399282.79
3736331.95        0.15769
         399302.79    3736331.95        0.16001                       399322.79
3736331.95        0.16082
         399342.79    3736331.95        0.16151                       399362.79
3736331.95        0.16197
         399382.79    3736331.95        0.16215                       399402.79
3736331.95        0.16220
         399422.79    3736331.95        0.16257                       399442.79
3736331.95        0.16283
         399462.79    3736331.95        0.16317                       399482.79
3736331.95        0.16332
         399502.79    3736331.95        0.16428                       399522.79
3736331.95        0.16530
         399542.79    3736331.95        0.16636                       399562.79
3736331.95        0.16836
         399582.79    3736331.95        0.17029                       399602.79
3736331.95        0.17166
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        10:15:03

                                  PAGE  88
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     STCK1       ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         399622.79    3736331.95        0.17364                       399642.79
3736331.95        0.17558
         399662.79    3736331.95        0.17765                       399682.79
3736331.95        0.18081
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399702.79 3736331.95 0.18387 399722.79
3736331.95 0.18577
399742.79 3736331.95 0.18917 399762.79
3736331.95 0.19467
399782.79 3736331.95 0.20071 399802.79
3736331.95 0.20737
399822.79 3736331.95 0.21433 399842.79
3736331.95 0.22117
399862.79 3736331.95 0.22847 399882.79
3736331.95 0.23678
399902.79 3736331.95 0.24591 399922.79
3736331.95 0.25734
399982.79 3736331.95 0.31043 400162.79
3736331.95 0.93603
400182.79 3736331.95 1.08718 398682.79
3736351.95 0.13784
398702.79 3736351.95 0.14276 398722.79
3736351.95 0.14336
398742.79 3736351.95 0.14456 398762.79
3736351.95 0.14546
398782.79 3736351.95 0.14629 398802.79
3736351.95 0.14708
398822.79 3736351.95 0.14818 398842.79
3736351.95 0.14904
398862.79 3736351.95 0.14300 398882.79
3736351.95 0.14786
398902.79 3736351.95 0.15011 398922.79
3736351.95 0.15155
398942.79 3736351.95 0.15255 398962.79
3736351.95 0.15337
398982.79 3736351.95 0.15418 399002.79
3736351.95 0.15520
399022.79 3736351.95 0.15610 399042.79
3736351.95 0.15682
399062.79 3736351.95 0.15673 399082.79
3736351.95 0.15723
399102.79 3736351.95 0.15747 399122.79
3736351.95 0.15735
399142.79 3736351.95 0.15795 399162.79
3736351.95 0.15890
399182.79 3736351.95 0.15921 399202.79
3736351.95 0.15965
399222.79 3736351.95 0.15987 399242.79
3736351.95 0.15996
399262.79 3736351.95 0.15894 399282.79
3736351.95 0.15590
399302.79 3736351.95 0.15719 399322.79
3736351.95 0.16105
399342.79 3736351.95 0.16224 399362.79
3736351.95 0.16284

399942.79 3736351.95 0.26834 399962.79
3736351.95 0.28661
399982.79 3736351.95 0.30691 400002.79
3736351.95 0.33102
400022.79 3736351.95 0.36097 400042.79
3736351.95 0.39832
400062.79 3736351.95 0.44492 400082.79
3736351.95 0.50066
400102.79 3736351.95 0.57327 400122.79
3736351.95 0.65945
400142.79 3736351.95 0.76133 400162.79
3736351.95 0.87916
400182.79 3736351.95 1.01274 398682.79
3736371.95 0.13777
398702.79 3736371.95 0.14264 398722.79
3736371.95 0.14354
398742.79 3736371.95 0.14383 398762.79
3736371.95 0.14537
398782.79 3736371.95 0.14628 398802.79
3736371.95 0.14720
398822.79 3736371.95 0.14794 398842.79
3736371.95 0.14894
398862.79 3736371.95 0.14281 398882.79
3736371.95 0.14814
398902.79 3736371.95 0.15018 398922.79
3736371.95 0.15151
398942.79 3736371.95 0.15244 398962.79
3736371.95 0.15348
398982.79 3736371.95 0.15429 399002.79
3736371.95 0.15508
399022.79 3736371.95 0.15612 399042.79
3736371.95 0.15687
399062.79 3736371.95 0.15709 399082.79
3736371.95 0.15706
399102.79 3736371.95 0.15740 399122.79
3736371.95 0.15833
399142.79 3736371.95 0.15941 399162.79
3736371.95 0.15924
399182.79 3736371.95 0.15983 399202.79
3736371.95 0.16029
399222.79 3736371.95 0.16059 399242.79
3736371.95 0.16005
399262.79 3736371.95 0.16099 399282.79
3736371.95 0.16123
399302.79 3736371.95 0.15896 399322.79
3736371.95 0.15703
399342.79 3736371.95 0.16094 399362.79
3736371.95 0.16336
399382.79 3736371.95 0.16369 399402.79
3736371.95 0.16422

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         399422.79    3736371.95        0.16511                      399442.79
3736371.95        0.16562
         399462.79    3736371.95        0.16632                      399482.79
3736371.95        0.16682
         399502.79    3736371.95        0.16724                      399522.79
3736371.95        0.16758
         399542.79    3736371.95        0.16855                      399562.79
3736371.95        0.16982
         399582.79    3736371.95        0.17112                      399602.79
3736371.95        0.17305
         399622.79    3736371.95        0.17580                      399642.79
3736371.95        0.17798
         399662.79    3736371.95        0.17995                      399682.79
3736371.95        0.18215
         399702.79    3736371.95        0.18390                      399722.79
3736371.95        0.18842
         399742.79    3736371.95        0.19319                      399762.79
3736371.95        0.19738
         399782.79    3736371.95        0.20186                      399802.79
3736371.95        0.20700
         399822.79    3736371.95        0.21273                      399842.79
3736371.95        0.21882
         399862.79    3736371.95        0.22546                      399882.79
3736371.95        0.23183
         399902.79    3736371.95        0.24043                      399922.79
3736371.95        0.25171
         399942.79    3736371.95        0.26625                      399962.79
3736371.95        0.28347
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        10:15:03

                                  PAGE  90
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
                                  INCLUDING SOURCE(S):     STCK1       ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                         X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
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399982.79 3736371.95 0.30341 400002.79
3736371.95 0.32717
400022.79 3736371.95 0.35646 400042.79
3736371.95 0.39260
400062.79 3736371.95 0.43705 400082.79
3736371.95 0.48912
400102.79 3736371.95 0.55415 400122.79
3736371.95 0.63547
400142.79 3736371.95 0.72717 400162.79
3736371.95 0.82900
400182.79 3736371.95 0.94513 398682.79
3736391.95 0.13774
398702.79 3736391.95 0.14255 398722.79
3736391.95 0.14346
398742.79 3736391.95 0.14392 398762.79
3736391.95 0.14531
398782.79 3736391.95 0.14623 398802.79
3736391.95 0.14717
398822.79 3736391.95 0.14810 398842.79
3736391.95 0.14903
398862.79 3736391.95 0.14275 398882.79
3736391.95 0.14844
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3736391.95 0.15098
398942.79 3736391.95 0.15187 398962.79
3736391.95 0.15306
398982.79 3736391.95 0.15448 399002.79
3736391.95 0.15530
399022.79 3736391.95 0.15600 399042.79
3736391.95 0.15644
399062.79 3736391.95 0.15685 399082.79
3736391.95 0.15769
399102.79 3736391.95 0.15880 399122.79
3736391.95 0.15951
399142.79 3736391.95 0.15942 399162.79
3736391.95 0.15953
399182.79 3736391.95 0.16024 399202.79
3736391.95 0.16087
399222.79 3736391.95 0.16085 399242.79
3736391.95 0.16137
399262.79 3736391.95 0.16213 399282.79
3736391.95 0.16240
399302.79 3736391.95 0.16304 399322.79
3736391.95 0.16214
399342.79 3736391.95 0.15857 399362.79
3736391.95 0.16076
399382.79 3736391.95 0.16424 399402.79
3736391.95 0.16557
399422.79 3736391.95 0.16632 399442.79
3736391.95 0.16664

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         399462.79    3736391.95        0.16723                        399482.79
3736391.95        0.16801
         399502.79    3736391.95        0.16961                        399522.79
3736391.95        0.16970
         399542.79    3736391.95        0.17013                        399562.79
3736391.95        0.17117
         399582.79    3736391.95        0.17232                        399602.79
3736391.95        0.17377
         399622.79    3736391.95        0.17576                        399642.79
3736391.95        0.17870
         399662.79    3736391.95        0.18115                        399682.79
3736391.95        0.18202
         399702.79    3736391.95        0.18539                        399722.79
3736391.95        0.18959
         399742.79    3736391.95        0.19425                        399762.79
3736391.95        0.19774
         399782.79    3736391.95        0.20174                        399802.79
3736391.95        0.20644
         399822.79    3736391.95        0.21177                        399842.79
3736391.95        0.21673
         399862.79    3736391.95        0.22265                        399882.79
3736391.95        0.22930
         399902.79    3736391.95        0.23814                        399922.79
3736391.95        0.24978
         399942.79    3736391.95        0.26546                        399962.79
3736391.95        0.28147
         399982.79    3736391.95        0.30057                        400002.79
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3736391.95        0.38690
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                                   ***        10:15:03

                                              PAGE  91
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                  *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
                                  INCLUDING SOURCE(S):     STCK1       ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                              ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
```

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 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
         400062.79    3736391.95        0.42915                            400082.79
3736391.95        0.47790
         400102.79    3736391.95        0.53707                            400122.79
3736391.95        0.61022
         400142.79    3736391.95        0.69288                            400162.79
3736391.95        0.78477
         400182.79    3736391.95        0.88389                            398682.79
3736411.95        0.13777
         398702.79    3736411.95        0.14249                            398722.79
3736411.95        0.14342
         398742.79    3736411.95        0.14435                            398762.79
3736411.95        0.14529
         398782.79    3736411.95        0.14622                            398802.79
3736411.95        0.14717
         398822.79    3736411.95        0.14812                            398842.79
3736411.95        0.14907
         398862.79    3736411.95        0.14288                            398882.79
3736411.95        0.14872
         398902.79    3736411.95        0.14982                            398922.79
3736411.95        0.15080
         398942.79    3736411.95        0.15187                            398962.79
3736411.95        0.15297
         398982.79    3736411.95        0.15447                            399002.79
3736411.95        0.15552
         399022.79    3736411.95        0.15562                            399042.79
3736411.95        0.15669
         399062.79    3736411.95        0.15818                            399082.79
3736411.95        0.15894
         399102.79    3736411.95        0.15920                            399122.79
3736411.95        0.15984
         399142.79    3736411.95        0.15977                            399162.79
3736411.95        0.15989
         399182.79    3736411.95        0.16038                            399202.79
3736411.95        0.16113
         399222.79    3736411.95        0.16150                            399242.79
3736411.95        0.16274
         399262.79    3736411.95        0.16322                            399282.79
3736411.95        0.16395
         399302.79    3736411.95        0.16410                            399322.79
3736411.95        0.16451
         399342.79    3736411.95        0.16482                            399362.79
3736411.95        0.16212
         399382.79    3736411.95        0.16077                            399402.79
3736411.95        0.16514
         399422.79    3736411.95        0.16759                            399442.79
3736411.95        0.16816
         399462.79    3736411.95        0.16842                            399482.79
3736411.95        0.16915
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         399502.79    3736411.95        0.17082                       399522.79
3736411.95        0.17155
         399542.79    3736411.95        0.17183                       399562.79
3736411.95        0.17259
         399582.79    3736411.95        0.17374                       399602.79
3736411.95        0.17482
         399622.79    3736411.95        0.17668                       399642.79
3736411.95        0.17914
         399662.79    3736411.95        0.18117                       399682.79
3736411.95        0.18267
         399702.79    3736411.95        0.18715                       399722.79
3736411.95        0.19093
         399742.79    3736411.95        0.19438                       399762.79
3736411.95        0.19776
         399782.79    3736411.95        0.20148                       399802.79
3736411.95        0.20535
         399822.79    3736411.95        0.21045                       399842.79
3736411.95        0.21542
         399862.79    3736411.95        0.22035                       399882.79
3736411.95        0.22756
         399902.79    3736411.95        0.23624                       399922.79
3736411.95        0.24821
         399942.79    3736411.95        0.26308                       399962.79
3736411.95        0.27890
         399982.79    3736411.95        0.29823                       400002.79
3736411.95        0.32056
         400022.79    3736411.95        0.34730                       400042.79
3736411.95        0.37981
         400062.79    3736411.95        0.41764                       400082.79
3736411.95        0.46460
         400102.79    3736411.95        0.52168                       400122.79
3736411.95        0.58623
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        10:15:03

                                  PAGE  92
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     STCK1       ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **
```

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
400142.79	3736411.95	0.65992	400162.79	3736411.95	0.74168
400182.79	3736411.95	0.82850	398682.79	3736431.95	0.13788
398702.79	3736431.95	0.14247	398722.79	3736431.95	0.14172
398742.79	3736431.95	0.14267	398762.79	3736431.95	0.14392
398782.79	3736431.95	0.14577	398802.79	3736431.95	0.14721
398822.79	3736431.95	0.14627	398842.79	3736431.95	0.14840
398862.79	3736431.95	0.14275	398882.79	3736431.95	0.14898
398902.79	3736431.95	0.14983	398922.79	3736431.95	0.15091
398942.79	3736431.95	0.15197	398962.79	3736431.95	0.15306
398982.79	3736431.95	0.15474	399002.79	3736431.95	0.15524
399022.79	3736431.95	0.15587	399042.79	3736431.95	0.15768
399062.79	3736431.95	0.15861	399082.79	3736431.95	0.15944
399102.79	3736431.95	0.16005	399122.79	3736431.95	0.16048
399142.79	3736431.95	0.16033	399162.79	3736431.95	0.16047
399182.79	3736431.95	0.16095	399202.79	3736431.95	0.16148
399222.79	3736431.95	0.16231	399242.79	3736431.95	0.16368
399262.79	3736431.95	0.16440	399282.79	3736431.95	0.16505
399302.79	3736431.95	0.16590	399322.79	3736431.95	0.16642
399342.79	3736431.95	0.16730	399362.79	3736431.95	0.16718
399382.79	3736431.95	0.16636	399402.79	3736431.95	0.16255
399422.79	3736431.95	0.16544	399442.79	3736431.95	0.16892
399462.79	3736431.95	0.17045	399482.79	3736431.95	0.17105
399502.79	3736431.95	0.17188	399522.79	3736431.95	0.17326

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         399542.79    3736431.95        0.17373                        399562.79
3736431.95        0.17462
         399582.79    3736431.95        0.17563                        399602.79
3736431.95        0.17655
         399622.79    3736431.95        0.17800                        399642.79
3736431.95        0.17948
         399662.79    3736431.95        0.18109                        399682.79
3736431.95        0.18343
         399702.79    3736431.95        0.18774                        399722.79
3736431.95        0.19121
         399742.79    3736431.95        0.19417                        399762.79
3736431.95        0.19758
         399782.79    3736431.95        0.20037                        399802.79
3736431.95        0.20407
         399822.79    3736431.95        0.20804                        399842.79
3736431.95        0.21243
         399862.79    3736431.95        0.21886                        399882.79
3736431.95        0.22599
         399902.79    3736431.95        0.23555                        399922.79
3736431.95        0.24748
         399942.79    3736431.95        0.26140                        399962.79
3736431.95        0.27774
         399982.79    3736431.95        0.29629                        400002.79
3736431.95        0.31804
         400022.79    3736431.95        0.34311                        400042.79
3736431.95        0.37293
         400062.79    3736431.95        0.40909                        400082.79
3736431.95        0.45435
         400102.79    3736431.95        0.50715                        400122.79
3736431.95        0.56498
         400142.79    3736431.95        0.62927                        400162.79
3736431.95        0.70189
         400182.79    3736431.95        0.77844                        398682.79
3736451.95        0.13800
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                        ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                                  ***        10:15:03

                                             PAGE  93
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                  *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
                                  INCLUDING SOURCE(S):     STCK1       ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10    IN MICROGRAMS/M**3
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**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
398702.79	3736451.95	0.14247	398722.79	3736451.95	0.14279
398742.79	3736451.95	0.14425	398762.79	3736451.95	0.14535
398782.79	3736451.95	0.14626	398802.79	3736451.95	0.14655
398822.79	3736451.95	0.14781	398842.79	3736451.95	0.14804
398862.79	3736451.95	0.14277	398882.79	3736451.95	0.14924
398902.79	3736451.95	0.15047	398922.79	3736451.95	0.15151
398942.79	3736451.95	0.15252	398962.79	3736451.95	0.15348
398982.79	3736451.95	0.15467	399002.79	3736451.95	0.15492
399022.79	3736451.95	0.15648	399042.79	3736451.95	0.15780
399062.79	3736451.95	0.15895	399082.79	3736451.95	0.16005
399102.79	3736451.95	0.16062	399122.79	3736451.95	0.16076
399142.79	3736451.95	0.16056	399162.79	3736451.95	0.16107
399182.79	3736451.95	0.16157	399202.79	3736451.95	0.16235
399222.79	3736451.95	0.16307	399242.79	3736451.95	0.16385
399262.79	3736451.95	0.16508	399282.79	3736451.95	0.16601
399302.79	3736451.95	0.16676	399322.79	3736451.95	0.16756
399342.79	3736451.95	0.16775	399362.79	3736451.95	0.16822
399382.79	3736451.95	0.16943	399402.79	3736451.95	0.16893
399422.79	3736451.95	0.16619	399442.79	3736451.95	0.16558
399462.79	3736451.95	0.17017	399482.79	3736451.95	0.17236
399502.79	3736451.95	0.17355	399522.79	3736451.95	0.17418
399542.79	3736451.95	0.17536	399562.79	3736451.95	0.17629

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         399582.79    3736451.95        0.17759                      399602.79
3736451.95        0.17883
         399622.79    3736451.95        0.18020                      399642.79
3736451.95        0.18022
         399662.79    3736451.95        0.18190                      399682.79
3736451.95        0.18484
         399702.79    3736451.95        0.18794                      399722.79
3736451.95        0.19143
         399742.79    3736451.95        0.19430                      399762.79
3736451.95        0.19789
         399782.79    3736451.95        0.20002                      399802.79
3736451.95        0.20314
         399822.79    3736451.95        0.20636                      399842.79
3736451.95        0.21152
         399862.79    3736451.95        0.21807                      399882.79
3736451.95        0.22594
         399902.79    3736451.95        0.23611                      399922.79
3736451.95        0.24745
         399942.79    3736451.95        0.26052                      399962.79
3736451.95        0.27641
         399982.79    3736451.95        0.29438                      400002.79
3736451.95        0.31535
         400022.79    3736451.95        0.33909                      400042.79
3736451.95        0.36680
         400062.79    3736451.95        0.40210                      400082.79
3736451.95        0.44458
         400102.79    3736451.95        0.49139                      400122.79
3736451.95        0.54360
         400142.79    3736451.95        0.60197                      400162.79
3736451.95        0.66529
         400182.79    3736451.95        0.73317                      398682.79
3736471.95        0.13813
         398702.79    3736471.95        0.14251                      398722.79
3736471.95        0.14304
         398742.79    3736471.95        0.14438                      398762.79
3736471.95        0.14542
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                      ***        10:15:03

                                   PAGE  94
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     STCK1       ,

                                            *** DISCRETE CARTESIAN RECEPTOR POINTS
***
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** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
398782.79	3736471.95	0.14624	398802.79	3736471.95	0.14686
398822.79	3736471.95	0.14833	398842.79	3736471.95	0.14799
398862.79	3736471.95	0.14256	398882.79	3736471.95	0.14900
398902.79	3736471.95	0.15076	398922.79	3736471.95	0.15190
398942.79	3736471.95	0.15289	398962.79	3736471.95	0.15374
398982.79	3736471.95	0.15480	399002.79	3736471.95	0.15513
399022.79	3736471.95	0.15714	399042.79	3736471.95	0.15830
399062.79	3736471.95	0.16003	399082.79	3736471.95	0.16066
399102.79	3736471.95	0.16101	399122.79	3736471.95	0.16175
399142.79	3736471.95	0.16196	399162.79	3736471.95	0.16178
399182.79	3736471.95	0.16238	399202.79	3736471.95	0.16316
399222.79	3736471.95	0.16399	399242.79	3736471.95	0.16480
399262.79	3736471.95	0.16611	399282.79	3736471.95	0.16724
399302.79	3736471.95	0.16812	399322.79	3736471.95	0.16926
399342.79	3736471.95	0.16938	399362.79	3736471.95	0.16982
399382.79	3736471.95	0.17051	399402.79	3736471.95	0.17085
399422.79	3736471.95	0.17191	399442.79	3736471.95	0.17087
399462.79	3736471.95	0.16719	399482.79	3736471.95	0.17073
399502.79	3736471.95	0.17401	399522.79	3736471.95	0.17536
399542.79	3736471.95	0.17660	399562.79	3736471.95	0.17751
399582.79	3736471.95	0.17856	399602.79	3736471.95	0.17942

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         399622.79    3736471.95        0.18021                        399642.79
3736471.95        0.18108
         399662.79    3736471.95        0.18319                        399682.79
3736471.95        0.18620
         399702.79    3736471.95        0.18863                        399722.79
3736471.95        0.19167
         399742.79    3736471.95        0.19444                        399762.79
3736471.95        0.19741
         399782.79    3736471.95        0.20011                        399802.79
3736471.95        0.20192
         399822.79    3736471.95        0.20579                        399842.79
3736471.95        0.21156
         399862.79    3736471.95        0.21852                        399882.79
3736471.95        0.22796
         399902.79    3736471.95        0.23708                        399922.79
3736471.95        0.24795
         399942.79    3736471.95        0.26063                        399962.79
3736471.95        0.27552
         399982.79    3736471.95        0.29308                        400002.79
3736471.95        0.31315
         400022.79    3736471.95        0.33563                        400042.79
3736471.95        0.36171
         400062.79    3736471.95        0.39602                        400082.79
3736471.95        0.43438
         400102.79    3736471.95        0.47625                        400122.79
3736471.95        0.52339
         400142.79    3736471.95        0.57571                        400162.79
3736471.95        0.63249
         400182.79    3736471.95        0.69218                        398682.79
3736491.95        0.13809
         398702.79    3736491.95        0.14257                        398722.79
3736491.95        0.14338
         398742.79    3736491.95        0.14454                        398762.79
3736491.95        0.14553
         398782.79    3736491.95        0.14653                        398802.79
3736491.95        0.14754
         398822.79    3736491.95        0.14857                        398842.79
3736491.95        0.14807
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                        ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        10:15:03

                                  PAGE  95
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL        ***
                                    INCLUDING SOURCE(S):     STCK1       ,
```

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
398862.79	3736491.95	0.14219	398882.79	3736491.95	0.14897
398902.79	3736491.95	0.15096	398922.79	3736491.95	0.15207
398942.79	3736491.95	0.15319	398962.79	3736491.95	0.15404
398982.79	3736491.95	0.15495	399002.79	3736491.95	0.15571
399022.79	3736491.95	0.15761	399042.79	3736491.95	0.15919
399062.79	3736491.95	0.16045	399082.79	3736491.95	0.16094
399102.79	3736491.95	0.16190	399122.79	3736491.95	0.16231
399142.79	3736491.95	0.16277	399162.79	3736491.95	0.16260
399182.79	3736491.95	0.16377	399202.79	3736491.95	0.16408
399222.79	3736491.95	0.16493	399242.79	3736491.95	0.16586
399262.79	3736491.95	0.16771	399282.79	3736491.95	0.16863
399302.79	3736491.95	0.16945	399322.79	3736491.95	0.17001
399342.79	3736491.95	0.17073	399362.79	3736491.95	0.17100
399382.79	3736491.95	0.17172	399402.79	3736491.95	0.17221
399422.79	3736491.95	0.17355	399442.79	3736491.95	0.17445
399462.79	3736491.95	0.17434	399482.79	3736491.95	0.17061
399502.79	3736491.95	0.17083	399522.79	3736491.95	0.17541
399542.79	3736491.95	0.17712	399562.79	3736491.95	0.17827
399582.79	3736491.95	0.17969	399602.79	3736491.95	0.18056
399622.79	3736491.95	0.18065	399642.79	3736491.95	0.18359

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         399662.79    3736491.95        0.18592                      399682.79
3736491.95        0.18749
         399702.79    3736491.95        0.18971                      399722.79
3736491.95        0.19218
         399742.79    3736491.95        0.19459                      399762.79
3736491.95        0.19741
         399782.79    3736491.95        0.20030                      399802.79
3736491.95        0.20159
         399822.79    3736491.95        0.20613                      399842.79
3736491.95        0.21206
         399862.79    3736491.95        0.21954                      399882.79
3736491.95        0.22834
         399902.79    3736491.95        0.23744                      399922.79
3736491.95        0.24778
         399942.79    3736491.95        0.26006                      399962.79
3736491.95        0.27463
         399982.79    3736491.95        0.29159                      400002.79
3736491.95        0.31010
         400022.79    3736491.95        0.33108                      400042.79
3736491.95        0.35624
         400062.79    3736491.95        0.38807                      400082.79
3736491.95        0.42370
         400102.79    3736491.95        0.46179                      400122.79
3736491.95        0.50440
         400142.79    3736491.95        0.55132                      400162.79
3736491.95        0.60199
         400182.79    3736491.95        0.65505                      398682.79
3736511.95        0.13807
         398702.79    3736511.95        0.14266                      398722.79
3736511.95        0.14359
         398742.79    3736511.95        0.14462                      398762.79
3736511.95        0.14564
         398782.79    3736511.95        0.14669                      398802.79
3736511.95        0.14772
         398822.79    3736511.95        0.14876                      398842.79
3736511.95        0.14806
         398862.79    3736511.95        0.14279                      398882.79
3736511.95        0.14932
         398902.79    3736511.95        0.15084                      398922.79
3736511.95        0.15192
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                      ***        10:15:03

                                   PAGE  96
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
```

INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
398942.79	3736511.95	0.15305	398962.79	3736511.95	0.15400
398982.79	3736511.95	0.15474	399002.79	3736511.95	0.15630
399022.79	3736511.95	0.15809	399042.79	3736511.95	0.15988
399062.79	3736511.95	0.16020	399082.79	3736511.95	0.16140
399102.79	3736511.95	0.16225	399122.79	3736511.95	0.16295
399142.79	3736511.95	0.16274	399162.79	3736511.95	0.16404
399182.79	3736511.95	0.16562	399202.79	3736511.95	0.16609
399222.79	3736511.95	0.16609	399242.79	3736511.95	0.16801
399262.79	3736511.95	0.16882	399282.79	3736511.95	0.16998
399302.79	3736511.95	0.17023	399322.79	3736511.95	0.17109
399342.79	3736511.95	0.17176	399362.79	3736511.95	0.17178
399382.79	3736511.95	0.17252	399402.79	3736511.95	0.17360
399422.79	3736511.95	0.17487	399442.79	3736511.95	0.17518
399462.79	3736511.95	0.17623	399482.79	3736511.95	0.17565
399502.79	3736511.95	0.17532	399522.79	3736511.95	0.17197
399542.79	3736511.95	0.17595	399562.79	3736511.95	0.17908
399582.79	3736511.95	0.18032	399602.79	3736511.95	0.18028
399622.79	3736511.95	0.18238	399642.79	3736511.95	0.18479
399662.79	3736511.95	0.18699	399682.79	3736511.95	0.18837

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         399702.79    3736511.95        0.19050                      399722.79
3736511.95        0.19238
         399742.79    3736511.95        0.19493                      399762.79
3736511.95        0.19711
         399782.79    3736511.95        0.19955                      399802.79
3736511.95        0.20172
         399822.79    3736511.95        0.20627                      399842.79
3736511.95        0.21329
         399862.79    3736511.95        0.22132                      399882.79
3736511.95        0.22879
         399902.79    3736511.95        0.23753                      399922.79
3736511.95        0.24755
         399942.79    3736511.95        0.25969                      399962.79
3736511.95        0.27363
         399982.79    3736511.95        0.29019                      400002.79
3736511.95        0.30720
         400022.79    3736511.95        0.32674                      400042.79
3736511.95        0.35119
         400062.79    3736511.95        0.38069                      400082.79
3736511.95        0.41338
         400102.79    3736511.95        0.44805                      400122.79
3736511.95        0.48658
         400142.79    3736511.95        0.52876                      400162.79
3736511.95        0.57392
         400182.79    3736511.95        0.62139                      398682.79
3736531.95        0.13812
         398702.79    3736531.95        0.14277                      398722.79
3736531.95        0.14284
         398742.79    3736531.95        0.14410                      398762.79
3736531.95        0.14559
         398782.79    3736531.95        0.14687                      398802.79
3736531.95        0.14792
         398822.79    3736531.95        0.14898                      398842.79
3736531.95        0.14827
         398862.79    3736531.95        0.14280                      398882.79
3736531.95        0.15024
         398902.79    3736531.95        0.15094                      398922.79
3736531.95        0.15181
         398942.79    3736531.95        0.15294                      398962.79
3736531.95        0.15399
         398982.79    3736531.95        0.15472                      399002.79
3736531.95        0.15658
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        10:15:03

                                  PAGE  97
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
399022.79	3736531.95	0.15846	399042.79	3736531.95	0.15943
399062.79	3736531.95	0.15975	399082.79	3736531.95	0.16102
399102.79	3736531.95	0.16283	399122.79	3736531.95	0.16310
399142.79	3736531.95	0.16353	399162.79	3736531.95	0.16566
399182.79	3736531.95	0.16637	399202.79	3736531.95	0.16751
399222.79	3736531.95	0.16805	399242.79	3736531.95	0.16939
399262.79	3736531.95	0.17010	399282.79	3736531.95	0.17119
399302.79	3736531.95	0.17135	399322.79	3736531.95	0.17228
399342.79	3736531.95	0.17298	399362.79	3736531.95	0.17375
399382.79	3736531.95	0.17310	399402.79	3736531.95	0.17530
399422.79	3736531.95	0.17561	399442.79	3736531.95	0.17638
399462.79	3736531.95	0.17634	399482.79	3736531.95	0.17765
399502.79	3736531.95	0.17863	399522.79	3736531.95	0.17874
399542.79	3736531.95	0.17528	399562.79	3736531.95	0.17587
399582.79	3736531.95	0.17992	399602.79	3736531.95	0.18207
399622.79	3736531.95	0.18457	399642.79	3736531.95	0.18621
399662.79	3736531.95	0.18760	399682.79	3736531.95	0.18901
399702.79	3736531.95	0.19103	399722.79	3736531.95	0.19271

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         399742.79    3736531.95        0.19533                      399762.79
3736531.95        0.19724
         399782.79    3736531.95        0.19886                      399802.79
3736531.95        0.20233
         399822.79    3736531.95        0.20654                      399842.79
3736531.95        0.21376
         399862.79    3736531.95        0.22187                      399882.79
3736531.95        0.22913
         399902.79    3736531.95        0.23798                      399922.79
3736531.95        0.24744
         399942.79    3736531.95        0.25870                      399962.79
3736531.95        0.27174
         399982.79    3736531.95        0.28611                      400002.79
3736531.95        0.30321
         400022.79    3736531.95        0.32326                      400042.79
3736531.95        0.34692
         400062.79    3736531.95        0.37388                      400082.79
3736531.95        0.40350
         400102.79    3736531.95        0.43507                      400122.79
3736531.95        0.46990
         400142.79    3736531.95        0.50789                      400162.79
3736531.95        0.54853
         400182.79    3736531.95        0.59083                      398682.79
3736551.95        0.13822
         398702.79    3736551.95        0.14290                      398722.79
3736551.95        0.14327
         398742.79    3736551.95        0.14480                      398762.79
3736551.95        0.14601
         398782.79    3736551.95        0.14707                      398802.79
3736551.95        0.14813
         398822.79    3736551.95        0.14921                      398842.79
3736551.95        0.14843
         398862.79    3736551.95        0.14314                      398882.79
3736551.95        0.15087
         398902.79    3736551.95        0.15157                      398922.79
3736551.95        0.15237
         398942.79    3736551.95        0.15346                      398962.79
3736551.95        0.15441
         398982.79    3736551.95        0.15533                      399002.79
3736551.95        0.15777
         399022.79    3736551.95        0.15895                      399042.79
3736551.95        0.15933
         399062.79    3736551.95        0.16013                      399082.79
3736551.95        0.16110
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                                   ***       10:15:03

                                  PAGE  98
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
399102.79	3736551.95	0.16223	399122.79	3736551.95	0.16299
399142.79	3736551.95	0.16533	399162.79	3736551.95	0.16634
399182.79	3736551.95	0.16738	399202.79	3736551.95	0.16807
399222.79	3736551.95	0.16936	399242.79	3736551.95	0.17022
399262.79	3736551.95	0.17108	399282.79	3736551.95	0.17132
399302.79	3736551.95	0.17266	399322.79	3736551.95	0.17374
399342.79	3736551.95	0.17410	399362.79	3736551.95	0.17436
399382.79	3736551.95	0.17397	399402.79	3736551.95	0.17525
399422.79	3736551.95	0.17702	399442.79	3736551.95	0.17702
399462.79	3736551.95	0.17760	399482.79	3736551.95	0.17930
399502.79	3736551.95	0.17968	399522.79	3736551.95	0.18079
399542.79	3736551.95	0.18091	399562.79	3736551.95	0.17942
399582.79	3736551.95	0.17648	399602.79	3736551.95	0.18121
399622.79	3736551.95	0.18553	399642.79	3736551.95	0.18692
399662.79	3736551.95	0.18811	399682.79	3736551.95	0.18958
399702.79	3736551.95	0.19076	399722.79	3736551.95	0.19232
399742.79	3736551.95	0.19452	399762.79	3736551.95	0.19616

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         399782.79    3736551.95        0.19914                      399802.79
3736551.95        0.20255
         399822.79    3736551.95        0.20804                      399842.79
3736551.95        0.21490
         399862.79    3736551.95        0.22234                      399882.79
3736551.95        0.23005
         399902.79    3736551.95        0.23898                      399922.79
3736551.95        0.24805
         399942.79    3736551.95        0.25833                      399962.79
3736551.95        0.26996
         399982.79    3736551.95        0.28386                      400002.79
3736551.95        0.30190
         400022.79    3736551.95        0.32151                      400042.79
3736551.95        0.34412
         400062.79    3736551.95        0.36812                      400082.79
3736551.95        0.39407
         400102.79    3736551.95        0.42279                      400122.79
3736551.95        0.45434
         400142.79    3736551.95        0.48860                      400162.79
3736551.95        0.52512
         400182.79    3736551.95        0.56303                      398682.79
3736571.95        0.13844
         398702.79    3736571.95        0.14306                      398722.79
3736571.95        0.14360
         398742.79    3736571.95        0.14512                      398762.79
3736571.95        0.14621
         398782.79    3736571.95        0.14729                      398802.79
3736571.95        0.14837
         398822.79    3736571.95        0.14947                      398842.79
3736571.95        0.14860
         398862.79    3736571.95        0.14371                      398882.79
3736571.95        0.15142
         398902.79    3736571.95        0.15195                      398922.79
3736571.95        0.15264
         398942.79    3736571.95        0.15392                      398962.79
3736571.95        0.15450
         398982.79    3736571.95        0.15611                      399002.79
3736571.95        0.15813
         399022.79    3736571.95        0.15886                      399042.79
3736571.95        0.15970
         399062.79    3736571.95        0.16072                      399082.79
3736571.95        0.16172
         399102.79    3736571.95        0.16266                      399122.79
3736571.95        0.16377
         399142.79    3736571.95        0.16522                      399162.79
3736571.95        0.16701
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                                   ***        10:15:03
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
399182.79	3736571.95	0.16801	399202.79	3736571.95	0.16892
399222.79	3736571.95	0.17024	399242.79	3736571.95	0.17098
399262.79	3736571.95	0.17152	399282.79	3736571.95	0.17231
399302.79	3736571.95	0.17352	399322.79	3736571.95	0.17422
399342.79	3736571.95	0.17467	399362.79	3736571.95	0.17422
399382.79	3736571.95	0.17507	399402.79	3736571.95	0.17587
399422.79	3736571.95	0.17653	399442.79	3736571.95	0.17723
399462.79	3736571.95	0.17921	399482.79	3736571.95	0.17991
399502.79	3736571.95	0.18089	399522.79	3736571.95	0.18134
399542.79	3736571.95	0.18189	399562.79	3736571.95	0.18236
399582.79	3736571.95	0.18241	399602.79	3736571.95	0.17925
399622.79	3736571.95	0.18076	399642.79	3736571.95	0.18540
399662.79	3736571.95	0.18850	399682.79	3736571.95	0.19047
399702.79	3736571.95	0.19105	399722.79	3736571.95	0.19227
399742.79	3736571.95	0.19336	399762.79	3736571.95	0.19629
399782.79	3736571.95	0.19987	399802.79	3736571.95	0.20394

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         399822.79    3736571.95        0.21005                    399842.79
3736571.95        0.21615
         399862.79    3736571.95        0.22312                    399882.79
3736571.95        0.23101
         399902.79    3736571.95        0.23943                    399922.79
3736571.95        0.24850
         399942.79    3736571.95        0.25783                    399962.79
3736571.95        0.26868
         399982.79    3736571.95        0.28345                    400002.79
3736571.95        0.30143
         400022.79    3736571.95        0.32049                    400042.79
3736571.95        0.33987
         400062.79    3736571.95        0.36135                    400082.79
3736571.95        0.38509
         400102.79    3736571.95        0.41124                    400122.79
3736571.95        0.43984
         400142.79    3736571.95        0.47078                    400162.79
3736571.95        0.50365
         400182.79    3736571.95        0.53773                    398682.79
3736591.95        0.13866
         398702.79    3736591.95        0.14322                    398722.79
3736591.95        0.14428
         398742.79    3736591.95        0.14535                    398762.79
3736591.95        0.14643
         398782.79    3736591.95        0.14752                    398802.79
3736591.95        0.14862
         398822.79    3736591.95        0.14973                    398842.79
3736591.95        0.14803
         398862.79    3736591.95        0.14476                    398882.79
3736591.95        0.15182
         398902.79    3736591.95        0.15242                    398922.79
3736591.95        0.15337
         398942.79    3736591.95        0.15473                    398962.79
3736591.95        0.15493
         398982.79    3736591.95        0.15704                    399002.79
3736591.95        0.15825
         399022.79    3736591.95        0.15985                    399042.79
3736591.95        0.16030
         399062.79    3736591.95        0.16113                    399082.79
3736591.95        0.16229
         399102.79    3736591.95        0.16336                    399122.79
3736591.95        0.16454
         399142.79    3736591.95        0.16563                    399162.79
3736591.95        0.16682
         399182.79    3736591.95        0.16856                    399202.79
3736591.95        0.16997
         399222.79    3736591.95        0.17096                    399242.79
3736591.95        0.17169
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
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 *** AERMET - VERSION  16216 ***   ***
                       ***        10:15:03

                                  PAGE 100
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
                                  INCLUDING SOURCE(S):     STCK1       ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

       X-COORD (M)   Y-COORD (M)        CONC                          X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
         399262.79    3736591.95        0.17184                         399282.79
3736591.95        0.17328
         399302.79    3736591.95        0.17431                         399322.79
3736591.95        0.17498
         399342.79    3736591.95        0.17500                         399362.79
3736591.95        0.17523
         399382.79    3736591.95        0.17612                         399402.79
3736591.95        0.17680
         399422.79    3736591.95        0.17729                         399442.79
3736591.95        0.17809
         399462.79    3736591.95        0.17932                         399482.79
3736591.95        0.18088
         399502.79    3736591.95        0.18178                         399522.79
3736591.95        0.18253
         399542.79    3736591.95        0.18334                         399562.79
3736591.95        0.18426
         399582.79    3736591.95        0.18519                         399602.79
3736591.95        0.18437
         399622.79    3736591.95        0.18305                         399642.79
3736591.95        0.18084
         399662.79    3736591.95        0.18672                         399682.79
3736591.95        0.19087
         399702.79    3736591.95        0.19159                         399722.79
3736591.95        0.19202
         399742.79    3736591.95        0.19409                         399762.79
3736591.95        0.19757
         399782.79    3736591.95        0.20217                         399802.79
3736591.95        0.20748
         399822.79    3736591.95        0.21234                         399842.79
3736591.95        0.21838
```

399862.79 3736591.95 0.22476 399882.79
3736591.95 0.23210
399902.79 3736591.95 0.24028 399922.79
3736591.95 0.24940
399942.79 3736591.95 0.25775 399962.79
3736591.95 0.26852
399982.79 3736591.95 0.28404 400002.79
3736591.95 0.30025
400022.79 3736591.95 0.31718 400042.79
3736591.95 0.33510
400062.79 3736591.95 0.35484 400082.79
3736591.95 0.37656
400102.79 3736591.95 0.40038 400122.79
3736591.95 0.42634
400142.79 3736591.95 0.45425 400162.79
3736591.95 0.48398
400182.79 3736591.95 0.51469 398682.79
3736611.95 0.14234
398702.79 3736611.95 0.14324 398722.79
3736611.95 0.14447
398742.79 3736611.95 0.14556 398762.79
3736611.95 0.14665
398782.79 3736611.95 0.14776 398802.79
3736611.95 0.14880
398822.79 3736611.95 0.14968 398842.79
3736611.95 0.14655
398862.79 3736611.95 0.14750 398882.79
3736611.95 0.15243
398902.79 3736611.95 0.15338 398922.79
3736611.95 0.15484
398942.79 3736611.95 0.15583 398962.79
3736611.95 0.15551
398982.79 3736611.95 0.15765 399002.79
3736611.95 0.15865
399022.79 3736611.95 0.16018 399042.79
3736611.95 0.16159
399062.79 3736611.95 0.16211 399082.79
3736611.95 0.16264
399102.79 3736611.95 0.16399 399122.79
3736611.95 0.16526
399142.79 3736611.95 0.16646 399162.79
3736611.95 0.16763
399182.79 3736611.95 0.16931 399202.79
3736611.95 0.17064
399222.79 3736611.95 0.17134 399242.79
3736611.95 0.17164
399262.79 3736611.95 0.17276 399282.79
3736611.95 0.17441
399302.79 3736611.95 0.17530 399322.79
3736611.95 0.17618

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↑ *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                       ***       10:15:03

                                  PAGE 101
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
                                  INCLUDING SOURCE(S):     STCK1       ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

       X-COORD (M)   Y-COORD (M)        CONC                          X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
         399342.79    3736611.95        0.17636                         399362.79
3736611.95        0.17624
         399382.79    3736611.95        0.17700                         399402.79
3736611.95        0.17767
         399422.79    3736611.95        0.17836                         399442.79
3736611.95        0.17916
         399462.79    3736611.95        0.17965                         399482.79
3736611.95        0.18039
         399502.79    3736611.95        0.18255                         399522.79
3736611.95        0.18401
         399542.79    3736611.95        0.18393                         399562.79
3736611.95        0.18518
         399582.79    3736611.95        0.18525                         399602.79
3736611.95        0.18562
         399622.79    3736611.95        0.18646                         399642.79
3736611.95        0.18649
         399662.79    3736611.95        0.18370                         399682.79
3736611.95        0.18632
         399702.79    3736611.95        0.19071                         399722.79
3736611.95        0.19273
         399742.79    3736611.95        0.19570                         399762.79
3736611.95        0.19918
         399782.79    3736611.95        0.20413                         399802.79
3736611.95        0.20938
         399822.79    3736611.95        0.21401                         399842.79
3736611.95        0.21977
         399862.79    3736611.95        0.22580                         399882.79
3736611.95        0.23345
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399902.79 3736611.95 0.24063 399922.79
3736611.95 0.24861
399942.79 3736611.95 0.25724 399962.79
3736611.95 0.26823
399982.79 3736611.95 0.28332 400002.79
3736611.95 0.29887
400022.79 3736611.95 0.31394 400042.79
3736611.95 0.33048
400062.79 3736611.95 0.34861 400082.79
3736611.95 0.36848
400102.79 3736611.95 0.39019 400122.79
3736611.95 0.41377
400142.79 3736611.95 0.43911 400162.79
3736611.95 0.46594
400182.79 3736611.95 0.49314 398682.79
3736631.95 0.14194
398702.79 3736631.95 0.14353 398722.79
3736631.95 0.14468
398742.79 3736631.95 0.14577 398762.79
3736631.95 0.14683
398782.79 3736631.95 0.14800 398802.79
3736631.95 0.14913
398822.79 3736631.95 0.14936 398842.79
3736631.95 0.14422
398862.79 3736631.95 0.15101 398882.79
3736631.95 0.15323
398902.79 3736631.95 0.15419 398922.79
3736631.95 0.15558
398942.79 3736631.95 0.15603 398962.79
3736631.95 0.15628
398982.79 3736631.95 0.15807 399002.79
3736631.95 0.15906
399022.79 3736631.95 0.16046 399042.79
3736631.95 0.16172
399062.79 3736631.95 0.16297 399082.79
3736631.95 0.16437
399102.79 3736631.95 0.16478 399122.79
3736631.95 0.16595
399142.79 3736631.95 0.16737 399162.79
3736631.95 0.16919
399182.79 3736631.95 0.17034 399202.79
3736631.95 0.17135
399222.79 3736631.95 0.17176 399242.79
3736631.95 0.17244
399262.79 3736631.95 0.17383 399282.79
3736631.95 0.17531
399302.79 3736631.95 0.17590 399322.79
3736631.95 0.17650
399342.79 3736631.95 0.17736 399362.79
3736631.95 0.17711

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
399422.79	3736631.95	0.17926	399442.79	3736631.95	0.17993
399462.79	3736631.95	0.18050	399482.79	3736631.95	0.18123
399502.79	3736631.95	0.18379	399522.79	3736631.95	0.18475
399542.79	3736631.95	0.18526	399562.79	3736631.95	0.18616
399582.79	3736631.95	0.18540	399602.79	3736631.95	0.18636
399622.79	3736631.95	0.18785	399642.79	3736631.95	0.18839
399662.79	3736631.95	0.18872	399682.79	3736631.95	0.18795
399702.79	3736631.95	0.18709	399722.79	3736631.95	0.19336
399742.79	3736631.95	0.19675	399762.79	3736631.95	0.20251
399782.79	3736631.95	0.20648	399802.79	3736631.95	0.21096
399822.79	3736631.95	0.21539	399842.79	3736631.95	0.22078
399862.79	3736631.95	0.22674	399882.79	3736631.95	0.23418
399902.79	3736631.95	0.24143	399922.79	3736631.95	0.24811

399942.79 3736631.95 0.25684 399962.79
3736631.95 0.26791
399982.79 3736631.95 0.28192 400002.79
3736631.95 0.29646
400022.79 3736631.95 0.31071 400042.79
3736631.95 0.32603
400062.79 3736631.95 0.34247 400082.79
3736631.95 0.35994
400102.79 3736631.95 0.38065 400122.79
3736631.95 0.40213
400142.79 3736631.95 0.42483 400162.79
3736631.95 0.44930
400182.79 3736631.95 0.47418 398682.79
3736651.95 0.14270
398702.79 3736651.95 0.14346 398722.79
3736651.95 0.14489
398742.79 3736651.95 0.14599 398762.79
3736651.95 0.14712
398782.79 3736651.95 0.14825 398802.79
3736651.95 0.14935
398822.79 3736651.95 0.14887 398842.79
3736651.95 0.14302
398862.79 3736651.95 0.15208 398882.79
3736651.95 0.15373
398902.79 3736651.95 0.15471 398922.79
3736651.95 0.15564
398942.79 3736651.95 0.15578 398962.79
3736651.95 0.15723
398982.79 3736651.95 0.15848 399002.79
3736651.95 0.15989
399022.79 3736651.95 0.16086 399042.79
3736651.95 0.16226
399062.79 3736651.95 0.16367 399082.79
3736651.95 0.16506
399102.79 3736651.95 0.16609 399122.79
3736651.95 0.16704
399142.79 3736651.95 0.16858 399162.79
3736651.95 0.16980
399182.79 3736651.95 0.17114 399202.79
3736651.95 0.17189
399222.79 3736651.95 0.17207 399242.79
3736651.95 0.17419
399262.79 3736651.95 0.17558 399282.79
3736651.95 0.17659
399302.79 3736651.95 0.17707 399322.79
3736651.95 0.17768
399342.79 3736651.95 0.17875 399362.79
3736651.95 0.17882
399382.79 3736651.95 0.17849 399402.79
3736651.95 0.17906

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
399502.79	3736651.95	0.18438	399522.79	3736651.95	0.18525
399542.79	3736651.95	0.18681	399562.79	3736651.95	0.18630
399582.79	3736651.95	0.18648	399602.79	3736651.95	0.18753
399622.79	3736651.95	0.18827	399642.79	3736651.95	0.18864
399662.79	3736651.95	0.18966	399682.79	3736651.95	0.19143
399702.79	3736651.95	0.19242	399722.79	3736651.95	0.19199
399742.79	3736651.95	0.19579	399762.79	3736651.95	0.20385
399782.79	3736651.95	0.20794	399802.79	3736651.95	0.21236
399822.79	3736651.95	0.21702	399842.79	3736651.95	0.22151
399862.79	3736651.95	0.22719	399882.79	3736651.95	0.23378
399902.79	3736651.95	0.24006	399922.79	3736651.95	0.24786
399942.79	3736651.95	0.25714	399962.79	3736651.95	0.26831

399982.79 3736651.95 0.28064 400002.79
3736651.95 0.29421
400022.79 3736651.95 0.30770 400042.79
3736651.95 0.32175
400062.79 3736651.95 0.33681 400082.79
3736651.95 0.35249
400102.79 3736651.95 0.37173 400122.79
3736651.95 0.39125
400142.79 3736651.95 0.41209 400162.79
3736651.95 0.43369
400182.79 3736651.95 0.45662 398682.79
3736671.95 0.14288
398702.79 3736671.95 0.14398 398722.79
3736671.95 0.14509
398742.79 3736671.95 0.14621 398762.79
3736671.95 0.14702
398782.79 3736671.95 0.14847 398802.79
3736671.95 0.14950
398822.79 3736671.95 0.14770 398842.79
3736671.95 0.14587
398862.79 3736671.95 0.15140 398882.79
3736671.95 0.15364
398902.79 3736671.95 0.15489 398922.79
3736671.95 0.15578
398942.79 3736671.95 0.15587 398962.79
3736671.95 0.15800
398982.79 3736671.95 0.15895 399002.79
3736671.95 0.16060
399022.79 3736671.95 0.16129 399042.79
3736671.95 0.16236
399062.79 3736671.95 0.16405 399082.79
3736671.95 0.16535
399102.79 3736671.95 0.16649 399122.79
3736671.95 0.16794
399142.79 3736671.95 0.16928 399162.79
3736671.95 0.17038
399182.79 3736671.95 0.17149 399202.79
3736671.95 0.17211
399222.79 3736671.95 0.17413 399242.79
3736671.95 0.17490
399262.79 3736671.95 0.17597 399282.79
3736671.95 0.17678
399302.79 3736671.95 0.17800 399322.79
3736671.95 0.17894
399342.79 3736671.95 0.17937 399362.79
3736671.95 0.17976
399382.79 3736671.95 0.18008 399402.79
3736671.95 0.18037
399422.79 3736671.95 0.18043 399442.79
3736671.95 0.18096

```
         399462.79    3736671.95        0.18285                      399482.79
3736671.95        0.18423
         399502.79    3736671.95        0.18541                      399522.79
3736671.95        0.18594
         399542.79    3736671.95        0.18687                      399562.79
3736671.95        0.18682
↑ *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                        ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                       ***       10:15:03

                                 PAGE 104
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                             *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
                                 INCLUDING SOURCE(S):     STCK1       ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                         ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
         399582.79    3736671.95        0.18808                      399602.79
3736671.95        0.19098
         399622.79    3736671.95        0.18997                      399642.79
3736671.95        0.18974
         399662.79    3736671.95        0.19128                      399682.79
3736671.95        0.19271
         399702.79    3736671.95        0.19437                      399722.79
3736671.95        0.19743
         399742.79    3736671.95        0.19746                      399762.79
3736671.95        0.19810
         399782.79    3736671.95        0.20626                      399802.79
3736671.95        0.21258
         399822.79    3736671.95        0.21866                      399842.79
3736671.95        0.22285
         399862.79    3736671.95        0.22813                      399882.79
3736671.95        0.23313
         399902.79    3736671.95        0.23991                      399922.79
3736671.95        0.24905
         399942.79    3736671.95        0.25857                      399962.79
3736671.95        0.26926
         399982.79    3736671.95        0.28000                      400002.79
3736671.95        0.29220
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400022.79 3736671.95 0.30469 400042.79
3736671.95 0.31756
400062.79 3736671.95 0.33151 400082.79
3736671.95 0.34591
400102.79 3736671.95 0.36148 400122.79
3736671.95 0.37941
400142.79 3736671.95 0.39949 400162.79
3736671.95 0.42005
400182.79 3736671.95 0.44062 398682.79
3736691.95 0.14294
398702.79 3736691.95 0.14418 398722.79
3736691.95 0.14530
398742.79 3736691.95 0.14643 398762.79
3736691.95 0.14757
398782.79 3736691.95 0.14873 398802.79
3736691.95 0.14951
398822.79 3736691.95 0.14517 398842.79
3736691.95 0.14948
398862.79 3736691.95 0.15201 398882.79
3736691.95 0.15345
398902.79 3736691.95 0.15497 398922.79
3736691.95 0.15586
398942.79 3736691.95 0.15627 398962.79
3736691.95 0.15815
398982.79 3736691.95 0.15956 399002.79
3736691.95 0.16084
399022.79 3736691.95 0.16192 399042.79
3736691.95 0.16312
399062.79 3736691.95 0.16442 399082.79
3736691.95 0.16544
399102.79 3736691.95 0.16684 399122.79
3736691.95 0.16833
399142.79 3736691.95 0.16925 399162.79
3736691.95 0.17087
399182.79 3736691.95 0.17180 399202.79
3736691.95 0.17294
399222.79 3736691.95 0.17511 399242.79
3736691.95 0.17586
399262.79 3736691.95 0.17680 399282.79
3736691.95 0.17755
399302.79 3736691.95 0.17853 399322.79
3736691.95 0.17919
399342.79 3736691.95 0.18022 399362.79
3736691.95 0.18041
399382.79 3736691.95 0.18101 399402.79
3736691.95 0.18189
399422.79 3736691.95 0.18204 399442.79
3736691.95 0.18208
399462.79 3736691.95 0.18405 399482.79
3736691.95 0.18488

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
399662.79	3736691.95	0.19240	399682.79	3736691.95	0.19364
399702.79	3736691.95	0.19602	399722.79	3736691.95	0.19954
399742.79	3736691.95	0.20284	399762.79	3736691.95	0.20482
399782.79	3736691.95	0.20356	399802.79	3736691.95	0.21010
399822.79	3736691.95	0.21944	399842.79	3736691.95	0.22408
399862.79	3736691.95	0.22836	399882.79	3736691.95	0.23341
399902.79	3736691.95	0.24170	399922.79	3736691.95	0.25131
399942.79	3736691.95	0.26105	399962.79	3736691.95	0.27012
399982.79	3736691.95	0.28027	400002.79	3736691.95	0.29074
400022.79	3736691.95	0.30178	400042.79	3736691.95	0.31361

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         400062.79    3736691.95        0.32606                    400082.79
3736691.95        0.33823
         400102.79    3736691.95        0.35262                    400122.79
3736691.95        0.37170
         400142.79    3736691.95        0.38898                    400162.79
3736691.95        0.40581
         400182.79    3736691.95        0.42580                    398682.79
3736711.95        0.14303
         398702.79    3736711.95        0.14437                    398722.79
3736711.95        0.14550
         398742.79    3736711.95        0.14664                    398762.79
3736711.95        0.14779
         398782.79    3736711.95        0.14884                    398802.79
3736711.95        0.14935
         398822.79    3736711.95        0.14374                    398842.79
3736711.95        0.15121
         398862.79    3736711.95        0.15239                    398882.79
3736711.95        0.15375
         398902.79    3736711.95        0.15479                    398922.79
3736711.95        0.15550
         398942.79    3736711.95        0.15658                    398962.79
3736711.95        0.15805
         398982.79    3736711.95        0.15939                    399002.79
3736711.95        0.16078
         399022.79    3736711.95        0.16227                    399042.79
3736711.95        0.16345
         399062.79    3736711.95        0.16465                    399082.79
3736711.95        0.16552
         399102.79    3736711.95        0.16700                    399122.79
3736711.95        0.16794
         399142.79    3736711.95        0.16954                    399162.79
3736711.95        0.17084
         399182.79    3736711.95        0.17248                    399202.79
3736711.95        0.17378
         399222.79    3736711.95        0.17511                    399242.79
3736711.95        0.17622
         399262.79    3736711.95        0.17731                    399282.79
3736711.95        0.17780
         399302.79    3736711.95        0.17914                    399322.79
3736711.95        0.17967
         399342.79    3736711.95        0.18013                    399362.79
3736711.95        0.18110
         399382.79    3736711.95        0.18208                    399402.79
3736711.95        0.18234
         399422.79    3736711.95        0.18288                    399442.79
3736711.95        0.18406
         399462.79    3736711.95        0.18454                    399482.79
3736711.95        0.18544
         399502.79    3736711.95        0.18660                    399522.79
3736711.95        0.18757
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         399542.79    3736711.95        0.18994                       399562.79
3736711.95        0.19093
         399582.79    3736711.95        0.19201                       399602.79
3736711.95        0.19173
         399622.79    3736711.95        0.19099                       399642.79
3736711.95        0.19259
         399662.79    3736711.95        0.19303                       399682.79
3736711.95        0.19490
         399702.79    3736711.95        0.19310                       399722.79
3736711.95        0.20157
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                                   ***        10:15:03

                                              PAGE 106
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                   *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     STCK1       ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                              ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                          X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         399742.79    3736711.95        0.20743                       399762.79
3736711.95        0.20904
         399782.79    3736711.95        0.21015                       399802.79
3736711.95        0.21111
         399822.79    3736711.95        0.21379                       399842.79
3736711.95        0.22311
         399862.79    3736711.95        0.22910                       399882.79
3736711.95        0.23506
         399902.79    3736711.95        0.24386                       399922.79
3736711.95        0.25216
         399942.79    3736711.95        0.26118                       399962.79
3736711.95        0.26936
         399982.79    3736711.95        0.27838                       400002.79
3736711.95        0.28795
         400022.79    3736711.95        0.29873                       400042.79
3736711.95        0.30915
         400062.79    3736711.95        0.31915                       400082.79
3736711.95        0.33087
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         400102.79    3736711.95        0.34784                    400122.79
3736711.95        0.36273
         400142.79    3736711.95        0.37872                    400162.79
3736711.95        0.39477
         400182.79    3736711.95        0.41219                    398682.79
3736731.95        0.14330
         398702.79    3736731.95        0.14455                    398722.79
3736731.95        0.14569
         398742.79    3736731.95        0.14684                    398762.79
3736731.95        0.14798
         398782.79    3736731.95        0.14915                    398802.79
3736731.95        0.14864
         398822.79    3736731.95        0.14462                    398842.79
3736731.95        0.15167
         398862.79    3736731.95        0.15276                    398882.79
3736731.95        0.15401
         398902.79    3736731.95        0.15488                    398922.79
3736731.95        0.15556
         398942.79    3736731.95        0.15776                    398962.79
3736731.95        0.15844
         398982.79    3736731.95        0.15959                    399002.79
3736731.95        0.16083
         399022.79    3736731.95        0.16199                    399042.79
3736731.95        0.16360
         399062.79    3736731.95        0.16490                    399082.79
3736731.95        0.16616
         399102.79    3736731.95        0.16736                    399122.79
3736731.95        0.16859
         399142.79    3736731.95        0.16993                    399162.79
3736731.95        0.17050
         399182.79    3736731.95        0.17251                    399202.79
3736731.95        0.17445
         399222.79    3736731.95        0.17539                    399242.79
3736731.95        0.17640
         399262.79    3736731.95        0.17680                    399282.79
3736731.95        0.17771
         399302.79    3736731.95        0.17896                    399322.79
3736731.95        0.18027
         399342.79    3736731.95        0.18110                    399362.79
3736731.95        0.18183
         399382.79    3736731.95        0.18250                    399402.79
3736731.95        0.18311
         399422.79    3736731.95        0.18400                    399442.79
3736731.95        0.18478
         399462.79    3736731.95        0.18526                    399482.79
3736731.95        0.18606
         399502.79    3736731.95        0.18654                    399522.79
3736731.95        0.18852
         399542.79    3736731.95        0.19058                    399562.79
3736731.95        0.19165
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         399582.79    3736731.95        0.19281                      399602.79
3736731.95        0.19132
         399622.79    3736731.95        0.19189                      399642.79
3736731.95        0.19286
         399662.79    3736731.95        0.19446                      399682.79
3736731.95        0.19728
         399702.79    3736731.95        0.19757                      399722.79
3736731.95        0.20437
         399742.79    3736731.95        0.20922                      399762.79
3736731.95        0.20995
         399782.79    3736731.95        0.21254                      399802.79
3736731.95        0.21618
🡅 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                        ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        10:15:03

                                  PAGE 107
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
                                  INCLUDING SOURCE(S):     STCK1       ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
         399822.79    3736731.95        0.21921                      399842.79
3736731.95        0.22025
         399862.79    3736731.95        0.22836                      399882.79
3736731.95        0.23787
         399902.79    3736731.95        0.24698                      399922.79
3736731.95        0.25362
         399942.79    3736731.95        0.26117                      399962.79
3736731.95        0.26914
         399982.79    3736731.95        0.27707                      400002.79
3736731.95        0.28561
         400022.79    3736731.95        0.29546                      400042.79
3736731.95        0.30487
         400062.79    3736731.95        0.31334                      400082.79
3736731.95        0.32607
         400102.79    3736731.95        0.34131                      400122.79
3736731.95        0.35483
```

400142.79 3736731.95 0.36914 400162.79
3736731.95 0.38400
400182.79 3736731.95 0.39966 398682.79
3736751.95 0.14359
398702.79 3736751.95 0.14472 398722.79
3736751.95 0.14587
398742.79 3736751.95 0.14702 398762.79
3736751.95 0.14819
398782.79 3736751.95 0.14932 398802.79
3736751.95 0.14650
398822.79 3736751.95 0.14732 398842.79
3736751.95 0.15180
398862.79 3736751.95 0.15310 398882.79
3736751.95 0.15407
398902.79 3736751.95 0.15502 398922.79
3736751.95 0.15586
398942.79 3736751.95 0.15806 398962.79
3736751.95 0.15899
398982.79 3736751.95 0.15995 399002.79
3736751.95 0.16113
399022.79 3736751.95 0.16217 399042.79
3736751.95 0.16332
399062.79 3736751.95 0.16475 399082.79
3736751.95 0.16622
399102.79 3736751.95 0.16766 399122.79
3736751.95 0.16878
399142.79 3736751.95 0.16960 399162.79
3736751.95 0.17119
399182.79 3736751.95 0.17239 399202.79
3736751.95 0.17451
399222.79 3736751.95 0.17575 399242.79
3736751.95 0.17573
399262.79 3736751.95 0.17662 399282.79
3736751.95 0.17775
399302.79 3736751.95 0.17905 399322.79
3736751.95 0.18068
399342.79 3736751.95 0.18204 399362.79
3736751.95 0.18278
399382.79 3736751.95 0.18330 399402.79
3736751.95 0.18356
399422.79 3736751.95 0.18448 399442.79
3736751.95 0.18585
399462.79 3736751.95 0.18589 399482.79
3736751.95 0.18634
399502.79 3736751.95 0.18732 399522.79
3736751.95 0.18864
399542.79 3736751.95 0.19108 399562.79
3736751.95 0.19237
399582.79 3736751.95 0.19363 399602.79
3736751.95 0.19301

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         399622.79    3736751.95        0.19276                            399642.79
3736751.95        0.19388
         399662.79    3736751.95        0.19645                            399682.79
3736751.95        0.20025
         399702.79    3736751.95        0.20268                            399722.79
3736751.95        0.20598
         399742.79    3736751.95        0.20847                            399762.79
3736751.95        0.21139
         399782.79    3736751.95        0.21581                            399802.79
3736751.95        0.22199
         399822.79    3736751.95        0.22316                            399842.79
3736751.95        0.22777
         399862.79    3736751.95        0.22880                            399882.79
3736751.95        0.23323
↑ *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                        ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                       ***       10:15:03

                                  PAGE 108
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
                                  INCLUDING SOURCE(S):     STCK1       ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

       X-COORD (M)   Y-COORD (M)        CONC                             X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
         399902.79    3736751.95        0.24550                            399922.79
3736751.95        0.25304
         399942.79    3736751.95        0.26076                            399962.79
3736751.95        0.26840
         399982.79    3736751.95        0.27497                            400002.79
3736751.95        0.28254
         400022.79    3736751.95        0.29002                            400042.79
3736751.95        0.29869
         400062.79    3736751.95        0.30865                            400082.79
3736751.95        0.32259
         400102.79    3736751.95        0.33489                            400122.79
3736751.95        0.34648
         400142.79    3736751.95        0.36029                            400162.79
3736751.95        0.37400
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400182.79 3736751.95 0.38813 398682.79
3736771.95 0.14375
398702.79 3736771.95 0.14488 398722.79
3736771.95 0.14603
398742.79 3736771.95 0.14719 398762.79
3736771.95 0.14836
398782.79 3736771.95 0.14904 398802.79
3736771.95 0.14340
398822.79 3736771.95 0.14998 398842.79
3736771.95 0.15206
398862.79 3736771.95 0.15331 398882.79
3736771.95 0.15413
398902.79 3736771.95 0.15492 398922.79
3736771.95 0.15647
398942.79 3736771.95 0.15829 398962.79
3736771.95 0.15990
398982.79 3736771.95 0.16092 399002.79
3736771.95 0.16138
399022.79 3736771.95 0.16239 399042.79
3736771.95 0.16350
399062.79 3736771.95 0.16462 399082.79
3736771.95 0.16585
399102.79 3736771.95 0.16771 399122.79
3736771.95 0.16853
399142.79 3736771.95 0.17008 399162.79
3736771.95 0.17160
399182.79 3736771.95 0.17326 399202.79
3736771.95 0.17409
399222.79 3736771.95 0.17506 399242.79
3736771.95 0.17560
399262.79 3736771.95 0.17676 399282.79
3736771.95 0.17787
399302.79 3736771.95 0.17990 399322.79
3736771.95 0.18140
399342.79 3736771.95 0.18222 399362.79
3736771.95 0.18293
399382.79 3736771.95 0.18376 399402.79
3736771.95 0.18430
399422.79 3736771.95 0.18500 399442.79
3736771.95 0.18601
399462.79 3736771.95 0.18693 399482.79
3736771.95 0.18696
399502.79 3736771.95 0.18747 399522.79
3736771.95 0.18469
399542.79 3736771.95 0.18348 399562.79
3736771.95 0.19060
399582.79 3736771.95 0.19441 399602.79
3736771.95 0.19429
399622.79 3736771.95 0.19375 399642.79
3736771.95 0.19520

```
         399662.79    3736771.95        0.19867                       399682.79
3736771.95        0.20122
         399702.79    3736771.95        0.20445                       399722.79
3736771.95        0.20735
         399742.79    3736771.95        0.21060                       399762.79
3736771.95        0.21345
         399782.79    3736771.95        0.21880                       399802.79
3736771.95        0.22322
         399822.79    3736771.95        0.22795                       399842.79
3736771.95        0.22939
         399862.79    3736771.95        0.23416                       399882.79
3736771.95        0.23805
         399902.79    3736771.95        0.23946                       399922.79
3736771.95        0.24900
         399942.79    3736771.95        0.25954                       399962.79
3736771.95        0.26742
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                                   ***        10:15:03

                                              PAGE 109
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                  *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
                                  INCLUDING SOURCE(S):     STCK1       ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

       X-COORD (M)   Y-COORD (M)        CONC                          X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         399982.79    3736771.95        0.27344                       400002.79
3736771.95        0.27966
         400022.79    3736771.95        0.28650                       400042.79
3736771.95        0.29508
         400062.79    3736771.95        0.30619                       400082.79
3736771.95        0.31715
         400102.79    3736771.95        0.32881                       400122.79
3736771.95        0.34009
         400142.79    3736771.95        0.35204                       400162.79
3736771.95        0.36460
         400182.79    3736771.95        0.37741                       398682.79
3736791.95        0.14370
```

398702.79 3736791.95 0.14503 398722.79 3736791.95 0.14618
398742.79 3736791.95 0.14734 398762.79 3736791.95 0.14851
398782.79 3736791.95 0.14854 398802.79 3736791.95 0.14269
398822.79 3736791.95 0.15120 398842.79 3736791.95 0.15224
398862.79 3736791.95 0.15339 398882.79 3736791.95 0.15421
398902.79 3736791.95 0.15512 398922.79 3736791.95 0.15702
398942.79 3736791.95 0.15860 398962.79 3736791.95 0.16028
398982.79 3736791.95 0.16110 399002.79 3736791.95 0.16228
399022.79 3736791.95 0.16284 399042.79 3736791.95 0.16357
399062.79 3736791.95 0.16470 399082.79 3736791.95 0.16641
399102.79 3736791.95 0.16818 399122.79 3736791.95 0.16841
399142.79 3736791.95 0.17047 399162.79 3736791.95 0.17188
399182.79 3736791.95 0.17274 399202.79 3736791.95 0.17416
399222.79 3736791.95 0.17419 399242.79 3736791.95 0.17560
399262.79 3736791.95 0.17673 399282.79 3736791.95 0.17861
399302.79 3736791.95 0.18025 399322.79 3736791.95 0.18115
399342.79 3736791.95 0.18250 399362.79 3736791.95 0.18344
399382.79 3736791.95 0.18384 399402.79 3736791.95 0.18486
399422.79 3736791.95 0.18578 399442.79 3736791.95 0.18658
399462.79 3736791.95 0.18712 399482.79 3736791.95 0.18730
399502.79 3736791.95 0.18757 399522.79 3736791.95 0.17921
399542.79 3736791.95 0.17781 399562.79 3736791.95 0.18505
399582.79 3736791.95 0.19418 399602.79 3736791.95 0.19334
399622.79 3736791.95 0.19453 399642.79 3736791.95 0.19750
399662.79 3736791.95 0.20005 399682.79 3736791.95 0.20269

```
         399702.79    3736791.95        0.20506                      399722.79
3736791.95        0.20874
         399742.79    3736791.95        0.21318                      399762.79
3736791.95        0.21623
         399782.79    3736791.95        0.21961                      399802.79
3736791.95        0.22504
         399822.79    3736791.95        0.22937                      399842.79
3736791.95        0.23207
         399862.79    3736791.95        0.23774                      399882.79
3736791.95        0.24262
         399902.79    3736791.95        0.24508                      399922.79
3736791.95        0.24724
         399942.79    3736791.95        0.25265                      399962.79
3736791.95        0.26461
         399982.79    3736791.95        0.27167                      400002.79
3736791.95        0.27679
         400022.79    3736791.95        0.28378                      400042.79
3736791.95        0.29290
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         400062.79    3736791.95        0.30265                      400082.79
3736791.95        0.31243
         400102.79    3736791.95        0.32310                      400122.79
3736791.95        0.33342
         400142.79    3736791.95        0.34389                      400162.79
3736791.95        0.35548
         400182.79    3736791.95        0.36739                      398682.79
3736811.95        0.14382
         398702.79    3736811.95        0.14515                      398722.79
3736811.95        0.14630
```

398742.79 3736811.95 0.14747 398762.79 3736811.95 0.14864
398782.79 3736811.95 0.14705 398802.79 3736811.95 0.14582
398822.79 3736811.95 0.15150 398842.79 3736811.95 0.15262
398862.79 3736811.95 0.15374 398882.79 3736811.95 0.15466
398902.79 3736811.95 0.15547 398922.79 3736811.95 0.15777
398942.79 3736811.95 0.15883 398962.79 3736811.95 0.16020
398982.79 3736811.95 0.16117 399002.79 3736811.95 0.16229
399022.79 3736811.95 0.16319 399042.79 3736811.95 0.16430
399062.79 3736811.95 0.16509 399082.79 3736811.95 0.16658
399102.79 3736811.95 0.16732 399122.79 3736811.95 0.16903
399142.79 3736811.95 0.17039 399162.79 3736811.95 0.17166
399182.79 3736811.95 0.17304 399202.79 3736811.95 0.17309
399222.79 3736811.95 0.17419 399242.79 3736811.95 0.17540
399262.79 3736811.95 0.17693 399282.79 3736811.95 0.17915
399302.79 3736811.95 0.17995 399322.79 3736811.95 0.18126
399342.79 3736811.95 0.18240 399362.79 3736811.95 0.18341
399382.79 3736811.95 0.18454 399402.79 3736811.95 0.18531
399422.79 3736811.95 0.18568 399442.79 3736811.95 0.18692
399462.79 3736811.95 0.18786 399482.79 3736811.95 0.18780
399502.79 3736811.95 0.18815 399522.79 3736811.95 0.18557
399542.79 3736811.95 0.18230 399562.79 3736811.95 0.18930
399582.79 3736811.95 0.19320 399602.79 3736811.95 0.19397
399622.79 3736811.95 0.19562 399642.79 3736811.95 0.19850
399662.79 3736811.95 0.20132 399682.79 3736811.95 0.20394
399702.79 3736811.95 0.20586 399722.79 3736811.95 0.20900

```
         399742.79    3736811.95        0.21336                      399762.79
3736811.95        0.21850
         399782.79    3736811.95        0.22169                      399802.79
3736811.95        0.22583
         399822.79    3736811.95        0.22871                      399842.79
3736811.95        0.23116
         399862.79    3736811.95        0.23981                      399882.79
3736811.95        0.24371
         399902.79    3736811.95        0.24659                      399922.79
3736811.95        0.25236
         399942.79    3736811.95        0.25560                      399962.79
3736811.95        0.25742
         399982.79    3736811.95        0.26687                      400002.79
3736811.95        0.27504
         400022.79    3736811.95        0.28167                      400042.79
3736811.95        0.29139
         400062.79    3736811.95        0.29918                      400082.79
3736811.95        0.30748
         400102.79    3736811.95        0.31775                      400122.79
3736811.95        0.32718
♠ *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                        ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                        ***        10:15:03

                                   PAGE 111
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     STCK1       ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                         X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         400142.79    3736811.95        0.33723                      400162.79
3736811.95        0.34769
         400182.79    3736811.95        0.35760                      398682.79
3736831.95        0.14363
         398702.79    3736831.95        0.14526                      398722.79
3736831.95        0.14634
         398742.79    3736831.95        0.14757                      398762.79
3736831.95        0.14856
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398782.79	3736831.95	0.14490	398802.79	3736831.95	0.14951
398822.79	3736831.95	0.15174	398842.79	3736831.95	0.15291
398862.79	3736831.95	0.15405	398882.79	3736831.95	0.15518
398902.79	3736831.95	0.15583	398922.79	3736831.95	0.15807
398942.79	3736831.95	0.15902	398962.79	3736831.95	0.16021
398982.79	3736831.95	0.16137	399002.79	3736831.95	0.16228
399022.79	3736831.95	0.16349	399042.79	3736831.95	0.16473
399062.79	3736831.95	0.16543	399082.79	3736831.95	0.16644
399102.79	3736831.95	0.16767	399122.79	3736831.95	0.16870
399142.79	3736831.95	0.17036	399162.79	3736831.95	0.17141
399182.79	3736831.95	0.17244	399202.79	3736831.95	0.17309
399222.79	3736831.95	0.17418	399242.79	3736831.95	0.17537
399262.79	3736831.95	0.17670	399282.79	3736831.95	0.17882
399302.79	3736831.95	0.18020	399322.79	3736831.95	0.18111
399342.79	3736831.95	0.18244	399362.79	3736831.95	0.18353
399382.79	3736831.95	0.18466	399402.79	3736831.95	0.18499
399422.79	3736831.95	0.18532	399442.79	3736831.95	0.18655
399462.79	3736831.95	0.18845	399482.79	3736831.95	0.18939
399502.79	3736831.95	0.18899	399522.79	3736831.95	0.18945
399542.79	3736831.95	0.19084	399562.79	3736831.95	0.19244
399582.79	3736831.95	0.19326	399602.79	3736831.95	0.19509
399622.79	3736831.95	0.19788	399642.79	3736831.95	0.19938
399662.79	3736831.95	0.20159	399682.79	3736831.95	0.20440
399702.79	3736831.95	0.20704	399722.79	3736831.95	0.21026
399742.79	3736831.95	0.21361	399762.79	3736831.95	0.21786

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         399782.79    3736831.95        0.22300                      399802.79
3736831.95        0.22759
         399822.79    3736831.95        0.23112                      399842.79
3736831.95        0.23242
         399862.79    3736831.95        0.23714                      399882.79
3736831.95        0.24119
         399902.79    3736831.95        0.24986                      399922.79
3736831.95        0.25386
         399942.79    3736831.95        0.25769                      399962.79
3736831.95        0.26168
         399982.79    3736831.95        0.26363                      400002.79
3736831.95        0.27023
         400022.79    3736831.95        0.28033                      400042.79
3736831.95        0.28881
         400062.79    3736831.95        0.29583                      400082.79
3736831.95        0.30372
         400102.79    3736831.95        0.31271                      400122.79
3736831.95        0.32134
         400142.79    3736831.95        0.33050                      400162.79
3736831.95        0.33927
         400182.79    3736831.95        0.34908                      398682.79
3736851.95        0.14331
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL        ***
                                    INCLUDING SOURCE(S):     STCK1       ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                               ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                         X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         398702.79    3736851.95        0.14534                      398722.79
3736851.95        0.14649
         398742.79    3736851.95        0.14765                      398762.79
3736851.95        0.14826
         398782.79    3736851.95        0.14323                      398802.79
3736851.95        0.15077
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398822.79	3736851.95	0.15207	398842.79	3736851.95	0.15323
398862.79	3736851.95	0.15440	398882.79	3736851.95	0.15516
398902.79	3736851.95	0.15623	398922.79	3736851.95	0.15804
398942.79	3736851.95	0.15922	398962.79	3736851.95	0.16029
398982.79	3736851.95	0.16110	399002.79	3736851.95	0.16239
399022.79	3736851.95	0.16335	399042.79	3736851.95	0.16443
399062.79	3736851.95	0.16562	399082.79	3736851.95	0.16616
399102.79	3736851.95	0.16808	399122.79	3736851.95	0.16907
399142.79	3736851.95	0.17001	399162.79	3736851.95	0.17156
399182.79	3736851.95	0.17232	399202.79	3736851.95	0.17316
399222.79	3736851.95	0.17409	399242.79	3736851.95	0.17531
399262.79	3736851.95	0.17694	399282.79	3736851.95	0.17788
399302.79	3736851.95	0.17942	399322.79	3736851.95	0.18091
399342.79	3736851.95	0.18290	399362.79	3736851.95	0.18344
399382.79	3736851.95	0.18462	399402.79	3736851.95	0.18435
399422.79	3736851.95	0.18544	399442.79	3736851.95	0.18665
399462.79	3736851.95	0.18856	399482.79	3736851.95	0.18996
399502.79	3736851.95	0.19074	399522.79	3736851.95	0.19102
399542.79	3736851.95	0.19136	399562.79	3736851.95	0.19286
399582.79	3736851.95	0.19432	399602.79	3736851.95	0.19674
399622.79	3736851.95	0.19926	399642.79	3736851.95	0.20177
399662.79	3736851.95	0.20344	399682.79	3736851.95	0.20523
399702.79	3736851.95	0.20825	399722.79	3736851.95	0.21134
399742.79	3736851.95	0.21470	399762.79	3736851.95	0.22006
399782.79	3736851.95	0.22490	399802.79	3736851.95	0.22865

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         399822.79    3736851.95        0.23272                      399842.79
3736851.95        0.23649
         399862.79    3736851.95        0.24080                      399882.79
3736851.95        0.24464
         399902.79    3736851.95        0.24851                      399922.79
3736851.95        0.25211
         399942.79    3736851.95        0.25810                      399962.79
3736851.95        0.26488
         399982.79    3736851.95        0.26771                      400002.79
3736851.95        0.26983
         400022.79    3736851.95        0.27265                      400042.79
3736851.95        0.28318
         400062.79    3736851.95        0.29205                      400082.79
3736851.95        0.30053
         400102.79    3736851.95        0.30794                      400122.79
3736851.95        0.31586
         400142.79    3736851.95        0.32423                      400162.79
3736851.95        0.33265
         400182.79    3736851.95        0.34155                      398682.79
3736871.95        0.14389
         398702.79    3736871.95        0.14540                      398722.79
3736871.95        0.14654
         398742.79    3736871.95        0.14770                      398762.79
3736871.95        0.14708
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        10:15:03

                                  PAGE 113
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     STCK1       ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                      X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         398782.79    3736871.95        0.14339                      398802.79
3736871.95        0.15104
         398822.79    3736871.95        0.15227                      398842.79
3736871.95        0.15335
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398862.79 3736871.95 0.15461 398882.79 3736871.95 0.15478
398902.79 3736871.95 0.15645 398922.79 3736871.95 0.15783
398942.79 3736871.95 0.15910 398962.79 3736871.95 0.16018
398982.79 3736871.95 0.16048 399002.79 3736871.95 0.16182
399022.79 3736871.95 0.16323 399042.79 3736871.95 0.16434
399062.79 3736871.95 0.16522 399082.79 3736871.95 0.16626
399102.79 3736871.95 0.16754 399122.79 3736871.95 0.16926
399142.79 3736871.95 0.17022 399162.79 3736871.95 0.17101
399182.79 3736871.95 0.17219 399202.79 3736871.95 0.17339
399222.79 3736871.95 0.17431 399242.79 3736871.95 0.17533
399262.79 3736871.95 0.17755 399282.79 3736871.95 0.17864
399302.79 3736871.95 0.17912 399322.79 3736871.95 0.18005
399342.79 3736871.95 0.18233 399362.79 3736871.95 0.18312
399382.79 3736871.95 0.18363 399402.79 3736871.95 0.18435
399422.79 3736871.95 0.18554 399442.79 3736871.95 0.18694
399462.79 3736871.95 0.18938 399482.79 3736871.95 0.19047
399502.79 3736871.95 0.19155 399522.79 3736871.95 0.19237
399542.79 3736871.95 0.19351 399562.79 3736871.95 0.19350
399582.79 3736871.95 0.19562 399602.79 3736871.95 0.19828
399622.79 3736871.95 0.20037 399642.79 3736871.95 0.20296
399662.79 3736871.95 0.20435 399682.79 3736871.95 0.20679
399702.79 3736871.95 0.20955 399722.79 3736871.95 0.21261
399742.79 3736871.95 0.21627 399762.79 3736871.95 0.22200
399782.79 3736871.95 0.22559 399802.79 3736871.95 0.22970
399822.79 3736871.95 0.23356 399842.79 3736871.95 0.23756

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         399862.79    3736871.95        0.24127                      399882.79
3736871.95        0.24355
         399902.79    3736871.95        0.24746                      399922.79
3736871.95        0.25083
         399942.79    3736871.95        0.25853                      399962.79
3736871.95        0.26387
         399982.79    3736871.95        0.26707                      400002.79
3736871.95        0.27072
         400022.79    3736871.95        0.27524                      400042.79
3736871.95        0.27734
         400062.79    3736871.95        0.28489                      400082.79
3736871.95        0.29616
         400102.79    3736871.95        0.30341                      400122.79
3736871.95        0.31066
         400142.79    3736871.95        0.31835                      400162.79
3736871.95        0.32638
         400182.79    3736871.95        0.33464                      398682.79
3736891.95        0.14429
         398702.79    3736891.95        0.14543                      398722.79
3736891.95        0.14657
         398742.79    3736891.95        0.14758                      398762.79
3736891.95        0.14480
         398782.79    3736891.95        0.14572                      398802.79
3736891.95        0.15121
         398822.79    3736891.95        0.15228                      398842.79
3736891.95        0.15328
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                      ***        10:15:03

                                   PAGE 114
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     STCK1       ,

                                            *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                         ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                         X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
         398862.79    3736891.95        0.15438                      398882.79
3736891.95        0.15485
```

398902.79 3736891.95 0.15663 398922.79 3736891.95 0.15773
398942.79 3736891.95 0.15888 398962.79 3736891.95 0.15978
398982.79 3736891.95 0.15999 399002.79 3736891.95 0.16116
399022.79 3736891.95 0.16280 399042.79 3736891.95 0.16354
399062.79 3736891.95 0.16498 399082.79 3736891.95 0.16654
399102.79 3736891.95 0.16787 399122.79 3736891.95 0.16895
399142.79 3736891.95 0.17006 399162.79 3736891.95 0.17113
399182.79 3736891.95 0.17190 399202.79 3736891.95 0.17310
399222.79 3736891.95 0.17426 399242.79 3736891.95 0.17590
399262.79 3736891.95 0.17729 399282.79 3736891.95 0.17828
399302.79 3736891.95 0.17961 399322.79 3736891.95 0.18045
399342.79 3736891.95 0.18104 399362.79 3736891.95 0.18231
399382.79 3736891.95 0.18299 399402.79 3736891.95 0.18440
399422.79 3736891.95 0.18569 399442.79 3736891.95 0.18807
399462.79 3736891.95 0.18955 399482.79 3736891.95 0.19106
399502.79 3736891.95 0.19200 399522.79 3736891.95 0.19312
399542.79 3736891.95 0.19328 399562.79 3736891.95 0.19438
399582.79 3736891.95 0.19750 399602.79 3736891.95 0.19942
399622.79 3736891.95 0.20153 399642.79 3736891.95 0.20375
399662.79 3736891.95 0.20559 399682.79 3736891.95 0.20827
399702.79 3736891.95 0.21102 399722.79 3736891.95 0.21373
399742.79 3736891.95 0.21885 399762.79 3736891.95 0.22243
399782.79 3736891.95 0.22662 399802.79 3736891.95 0.23057
399822.79 3736891.95 0.23430 399842.79 3736891.95 0.23814
399862.79 3736891.95 0.24205 399882.79 3736891.95 0.24445

```
         399902.79    3736891.95        0.24810                      399922.79
3736891.95        0.25423
         399942.79    3736891.95        0.25844                      399962.79
3736891.95        0.26273
         399982.79    3736891.95        0.26632                      400002.79
3736891.95        0.26980
         400022.79    3736891.95        0.27543                      400042.79
3736891.95        0.27917
         400062.79    3736891.95        0.28194                      400082.79
3736891.95        0.28625
         400102.79    3736891.95        0.29848                      400122.79
3736891.95        0.30576
         400142.79    3736891.95        0.31280                      400162.79
3736891.95        0.32017
         400182.79    3736891.95        0.32694                      398682.79
3736911.95        0.14368
         398702.79    3736911.95        0.14543                      398722.79
3736911.95        0.14657
         398742.79    3736911.95        0.14744                      398762.79
3736911.95        0.14200
         398782.79    3736911.95        0.14831                      398802.79
3736911.95        0.15117
         398822.79    3736911.95        0.15221                      398842.79
3736911.95        0.15347
         398862.79    3736911.95        0.15394                      398882.79
3736911.95        0.15475
         398902.79    3736911.95        0.15615                      398922.79
3736911.95        0.15762
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        10:15:03

                                  PAGE 115
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
                                  INCLUDING SOURCE(S):     STCK1       ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                      X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
```

398942.79	3736911.95	0.15881	398962.79	3736911.95	0.15897
398982.79	3736911.95	0.15997	399002.79	3736911.95	0.16141
399022.79	3736911.95	0.16272	399042.79	3736911.95	0.16331
399062.79	3736911.95	0.16472	399082.79	3736911.95	0.16629
399102.79	3736911.95	0.16773	399122.79	3736911.95	0.16880
399142.79	3736911.95	0.16995	399162.79	3736911.95	0.17089
399182.79	3736911.95	0.17198	399202.79	3736911.95	0.17277
399222.79	3736911.95	0.17322	399242.79	3736911.95	0.17519
399262.79	3736911.95	0.17667	399282.79	3736911.95	0.17800
399302.79	3736911.95	0.17928	399322.79	3736911.95	0.18079
399342.79	3736911.95	0.18195	399362.79	3736911.95	0.18237
399382.79	3736911.95	0.18314	399402.79	3736911.95	0.18438
399422.79	3736911.95	0.18622	399442.79	3736911.95	0.18827
399462.79	3736911.95	0.18999	399482.79	3736911.95	0.19128
399502.79	3736911.95	0.19230	399522.79	3736911.95	0.19315
399542.79	3736911.95	0.19331	399562.79	3736911.95	0.19626
399582.79	3736911.95	0.19885	399602.79	3736911.95	0.20037
399622.79	3736911.95	0.20269	399642.79	3736911.95	0.20545
399662.79	3736911.95	0.20818	399682.79	3736911.95	0.20982
399702.79	3736911.95	0.21238	399722.79	3736911.95	0.21597
399742.79	3736911.95	0.22111	399762.79	3736911.95	0.22368
399782.79	3736911.95	0.22780	399802.79	3736911.95	0.23131
399822.79	3736911.95	0.23491	399842.79	3736911.95	0.23857
399862.79	3736911.95	0.24230	399882.79	3736911.95	0.24605
399902.79	3736911.95	0.24920	399922.79	3736911.95	0.25341

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         399942.79    3736911.95        0.25710                      399962.79
3736911.95        0.26157
         399982.79    3736911.95        0.26564                      400002.79
3736911.95        0.26886
         400022.79    3736911.95        0.27351                      400042.79
3736911.95        0.27618
         400062.79    3736911.95        0.28114                      400082.79
3736911.95        0.28598
         400102.79    3736911.95        0.28996                      400122.79
3736911.95        0.30107
         400142.79    3736911.95        0.30754                      400162.79
3736911.95        0.31431
         400182.79    3736911.95        0.32072                      398682.79
3736931.95        0.14387
         398702.79    3736931.95        0.14541                      398722.79
3736931.95        0.14654
         398742.79    3736931.95        0.14696                      398762.79
3736931.95        0.14094
         398782.79    3736931.95        0.14954                      398802.79
3736931.95        0.15110
         398822.79    3736931.95        0.15225                      398842.79
3736931.95        0.15340
         398862.79    3736931.95        0.15371                      398882.79
3736931.95        0.15498
         398902.79    3736931.95        0.15574                      398922.79
3736931.95        0.15685
         398942.79    3736931.95        0.15803                      398962.79
3736931.95        0.15873
         398982.79    3736931.95        0.15996                      399002.79
3736931.95        0.16144
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                                   ***        10:15:03

                                              PAGE 116
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                  *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
                                  INCLUDING SOURCE(S):     STCK1       ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                              ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                         X-COORD (M)
Y-COORD (M)        CONC
```

```
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
         399022.79    3736931.95        0.16237                       399042.79
3736931.95        0.16360
         399062.79    3736931.95        0.16512                       399082.79
3736931.95        0.16657
         399102.79    3736931.95        0.16702                       399122.79
3736931.95        0.16782
         399142.79    3736931.95        0.16936                       399162.79
3736931.95        0.17060
         399182.79    3736931.95        0.17142                       399202.79
3736931.95        0.17211
         399222.79    3736931.95        0.17279                       399242.79
3736931.95        0.17493
         399262.79    3736931.95        0.17607                       399282.79
3736931.95        0.17749
         399302.79    3736931.95        0.17936                       399322.79
3736931.95        0.18062
         399342.79    3736931.95        0.18171                       399362.79
3736931.95        0.18317
         399382.79    3736931.95        0.18317                       399402.79
3736931.95        0.18446
         399422.79    3736931.95        0.18657                       399442.79
3736931.95        0.18844
         399462.79    3736931.95        0.18981                       399482.79
3736931.95        0.19118
         399502.79    3736931.95        0.19288                       399522.79
3736931.95        0.19235
         399542.79    3736931.95        0.19422                       399562.79
3736931.95        0.19788
         399582.79    3736931.95        0.19968                       399602.79
3736931.95        0.20188
         399622.79    3736931.95        0.20408                       399642.79
3736931.95        0.20748
         399662.79    3736931.95        0.21027                       399682.79
3736931.95        0.21289
         399702.79    3736931.95        0.21462                       399722.79
3736931.95        0.21884
         399742.79    3736931.95        0.22196                       399762.79
3736931.95        0.22518
         399782.79    3736931.95        0.22850                       399802.79
3736931.95        0.23190
         399822.79    3736931.95        0.23537                       399842.79
3736931.95        0.23886
         399862.79    3736931.95        0.24239                       399882.79
3736931.95        0.24593
         399902.79    3736931.95        0.24951                       399922.79
3736931.95        0.25308
         399942.79    3736931.95        0.25669                       399962.79
3736931.95        0.26035
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         399982.79    3736931.95        0.26409                      400002.79
3736931.95        0.26785
         400022.79    3736931.95        0.27071                      400042.79
3736931.95        0.27391
         400062.79    3736931.95        0.27861                      400082.79
3736931.95        0.28375
         400102.79    3736931.95        0.29030                      400122.79
3736931.95        0.29539
         400142.79    3736931.95        0.30047                      400162.79
3736931.95        0.30874
         400182.79    3736931.95        0.31512                      398682.79
3736951.95        0.14424
         398702.79    3736951.95        0.14536                      398722.79
3736951.95        0.14647
         398742.79    3736951.95        0.14537                      398762.79
3736951.95        0.14286
         398782.79    3736951.95        0.14972                      398802.79
3736951.95        0.15083
         398822.79    3736951.95        0.15213                      398842.79
3736951.95        0.15290
         398862.79    3736951.95        0.15347                      398882.79
3736951.95        0.15479
         398902.79    3736951.95        0.15605                      398922.79
3736951.95        0.15684
         398942.79    3736951.95        0.15748                      398962.79
3736951.95        0.15846
         398982.79    3736951.95        0.16005                      399002.79
3736951.95        0.16116
         399022.79    3736951.95        0.16229                      399042.79
3736951.95        0.16385
         399062.79    3736951.95        0.16498                      399082.79
3736951.95        0.16585
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        10:15:03

                                  PAGE 117
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     STCK1       ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **
```

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
399102.79	3736951.95	0.16641	399122.79	3736951.95	0.16729
399142.79	3736951.95	0.16825	399162.79	3736951.95	0.16975
399182.79	3736951.95	0.17123	399202.79	3736951.95	0.17169
399222.79	3736951.95	0.17281	399242.79	3736951.95	0.17421
399262.79	3736951.95	0.17591	399282.79	3736951.95	0.17748
399302.79	3736951.95	0.17906	399322.79	3736951.95	0.18035
399342.79	3736951.95	0.18178	399362.79	3736951.95	0.18216
399382.79	3736951.95	0.18305	399402.79	3736951.95	0.18444
399422.79	3736951.95	0.18593	399442.79	3736951.95	0.18762
399462.79	3736951.95	0.18950	399482.79	3736951.95	0.19148
399502.79	3736951.95	0.19186	399522.79	3736951.95	0.19282
399542.79	3736951.95	0.19563	399562.79	3736951.95	0.19851
399582.79	3736951.95	0.20074	399602.79	3736951.95	0.20272
399622.79	3736951.95	0.20544	399642.79	3736951.95	0.20845
399662.79	3736951.95	0.21107	399682.79	3736951.95	0.21380
399702.79	3736951.95	0.21666	399722.79	3736951.95	0.21962
399742.79	3736951.95	0.22268	399762.79	3736951.95	0.22583
399782.79	3736951.95	0.22906	399802.79	3736951.95	0.23234
399822.79	3736951.95	0.23566	399842.79	3736951.95	0.23899
399862.79	3736951.95	0.24234	399882.79	3736951.95	0.24568
399902.79	3736951.95	0.24902	399922.79	3736951.95	0.25236
399942.79	3736951.95	0.25570	399962.79	3736951.95	0.25907
399982.79	3736951.95	0.26252	400002.79	3736951.95	0.26607

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         400022.79    3736951.95        0.26979                      400042.79
3736951.95        0.27278
         400062.79    3736951.95        0.27617                      400082.79
3736951.95        0.28169
         400102.79    3736951.95        0.28662                      400122.79
3736951.95        0.29074
         400142.79    3736951.95        0.29561                      400162.79
3736951.95        0.29828
         400182.79    3736951.95        0.30723                      398682.79
3736971.95        0.14365
         398702.79    3736971.95        0.14527                      398722.79
3736971.95        0.14638
         398742.79    3736971.95        0.14203                      398762.79
3736971.95        0.14618
         398782.79    3736971.95        0.14889                      398802.79
3736971.95        0.15015
         398822.79    3736971.95        0.15171                      398842.79
3736971.95        0.15228
         398862.79    3736971.95        0.15329                      398882.79
3736971.95        0.15437
         398902.79    3736971.95        0.15568                      398922.79
3736971.95        0.15684
         398942.79    3736971.95        0.15768                      398962.79
3736971.95        0.15843
         398982.79    3736971.95        0.15952                      399002.79
3736971.95        0.16085
         399022.79    3736971.95        0.16219                      399042.79
3736971.95        0.16328
         399062.79    3736971.95        0.16466                      399082.79
3736971.95        0.16575
         399102.79    3736971.95        0.16618                      399122.79
3736971.95        0.16699
         399142.79    3736971.95        0.16786                      399162.79
3736971.95        0.16875
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                        ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                                  ***        10:15:03

                                             PAGE 118
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                  *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
                                  INCLUDING SOURCE(S):     STCK1       ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10    IN MICROGRAMS/M**3
```

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
399182.79	3736971.95	0.16981	399202.79	3736971.95	0.17113
399222.79	3736971.95	0.17254	399242.79	3736971.95	0.17365
399262.79	3736971.95	0.17556	399282.79	3736971.95	0.17707
399302.79	3736971.95	0.17878	399322.79	3736971.95	0.17981
399342.79	3736971.95	0.18105	399362.79	3736971.95	0.18174
399382.79	3736971.95	0.18300	399402.79	3736971.95	0.18452
399422.79	3736971.95	0.18702	399442.79	3736971.95	0.18826
399462.79	3736971.95	0.18897	399482.79	3736971.95	0.19084
399502.79	3736971.95	0.19163	399522.79	3736971.95	0.19392
399542.79	3736971.95	0.19694	399562.79	3736971.95	0.19874
399582.79	3736971.95	0.20146	399602.79	3736971.95	0.20387
399622.79	3736971.95	0.20630	399642.79	3736971.95	0.20905
399662.79	3736971.95	0.21177	399682.79	3736971.95	0.21446
399702.79	3736971.95	0.21694	399722.79	3736971.95	0.22028
399742.79	3736971.95	0.22329	399762.79	3736971.95	0.22636
399782.79	3736971.95	0.22948	399802.79	3736971.95	0.23264
399822.79	3736971.95	0.23581	399842.79	3736971.95	0.23899
399862.79	3736971.95	0.24209	399882.79	3736971.95	0.24512
399902.79	3736971.95	0.24841	399922.79	3736971.95	0.25152
399942.79	3736971.95	0.25462	399962.79	3736971.95	0.25773
399982.79	3736971.95	0.26090	400002.79	3736971.95	0.26417
400022.79	3736971.95	0.26757	400042.79	3736971.95	0.27118

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         400062.79    3736971.95        0.27475                        400082.79
3736971.95        0.27855
         400102.79    3736971.95        0.28189                        400122.79
3736971.95        0.28734
         400142.79    3736971.95        0.29181                        400162.79
3736971.95        0.29682
         400182.79    3736971.95        0.30009                        398682.79
3736991.95        0.14191
         398702.79    3736991.95        0.14516                        398722.79
3736991.95        0.14617
         398742.79    3736991.95        0.13975                        398762.79
3736991.95        0.14735
         398782.79    3736991.95        0.14848                        398802.79
3736991.95        0.14955
         398822.79    3736991.95        0.15077                        398842.79
3736991.95        0.15236
         398862.79    3736991.95        0.15346                        398882.79
3736991.95        0.15426
         398902.79    3736991.95        0.15522                        398922.79
3736991.95        0.15639
         398942.79    3736991.95        0.15747                        398962.79
3736991.95        0.15845
         398982.79    3736991.95        0.15934                        399002.79
3736991.95        0.16030
         399022.79    3736991.95        0.16170                        399042.79
3736991.95        0.16297
         399062.79    3736991.95        0.16430                        399082.79
3736991.95        0.16549
         399102.79    3736991.95        0.16649                        399122.79
3736991.95        0.16694
         399142.79    3736991.95        0.16753                        399162.79
3736991.95        0.16840
         399182.79    3736991.95        0.16930                        399202.79
3736991.95        0.17015
         399222.79    3736991.95        0.17168                        399242.79
3736991.95        0.17321
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                      ***        10:15:03

                                   PAGE 119
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     STCK1       ,

                                            *** DISCRETE CARTESIAN RECEPTOR POINTS
***
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** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
399262.79	3736991.95	0.17489	399282.79	3736991.95	0.17666
399302.79	3736991.95	0.17835	399322.79	3736991.95	0.17966
399342.79	3736991.95	0.18029	399362.79	3736991.95	0.18162
399382.79	3736991.95	0.18303	399402.79	3736991.95	0.18489
399422.79	3736991.95	0.18716	399442.79	3736991.95	0.18844
399462.79	3736991.95	0.18977	399482.79	3736991.95	0.19019
399502.79	3736991.95	0.19208	399522.79	3736991.95	0.19507
399542.79	3736991.95	0.19708	399562.79	3736991.95	0.19990
399582.79	3736991.95	0.20182	399602.79	3736991.95	0.20379
399622.79	3736991.95	0.20723	399642.79	3736991.95	0.20975
399662.79	3736991.95	0.21239	399682.79	3736991.95	0.21511
399702.79	3736991.95	0.21793	399722.79	3736991.95	0.22081
399742.79	3736991.95	0.22376	399762.79	3736991.95	0.22675
399782.79	3736991.95	0.22978	399802.79	3736991.95	0.23281
399822.79	3736991.95	0.23561	399842.79	3736991.95	0.23862
399862.79	3736991.95	0.24155	399882.79	3736991.95	0.24478
399902.79	3736991.95	0.24769	399922.79	3736991.95	0.25057
399942.79	3736991.95	0.25344	399962.79	3736991.95	0.25631
399982.79	3736991.95	0.25923	400002.79	3736991.95	0.26223
400022.79	3736991.95	0.26536	400042.79	3736991.95	0.26867
400062.79	3736991.95	0.27219	400082.79	3736991.95	0.27467

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         400102.79    3736991.95        0.27885                        400122.79
3736991.95        0.28435
         400142.79    3736991.95        0.28835                        400162.79
3736991.95        0.29262
         400182.79    3736991.95        0.29767                        398682.79
3737011.95        0.13987
         398702.79    3737011.95        0.14502                        398722.79
3737011.95        0.14426
         398742.79    3737011.95        0.14123                        398762.79
3737011.95        0.14731
         398782.79    3737011.95        0.14827                        398802.79
3737011.95        0.14930
         398822.79    3737011.95        0.15062                        398842.79
3737011.95        0.15205
         398862.79    3737011.95        0.15335                        398882.79
3737011.95        0.15443
         398902.79    3737011.95        0.15501                        398922.79
3737011.95        0.15618
         398942.79    3737011.95        0.15720                        398962.79
3737011.95        0.15821
         398982.79    3737011.95        0.15957                        399002.79
3737011.95        0.16042
         399022.79    3737011.95        0.16115                        399042.79
3737011.95        0.16223
         399062.79    3737011.95        0.16380                        399082.79
3737011.95        0.16507
         399102.79    3737011.95        0.16599                        399122.79
3737011.95        0.16683
         399142.79    3737011.95        0.16740                        399162.79
3737011.95        0.16818
         399182.79    3737011.95        0.16893                        399202.79
3737011.95        0.16985
         399222.79    3737011.95        0.17072                        399242.79
3737011.95        0.17251
         399262.79    3737011.95        0.17410                        399282.79
3737011.95        0.17608
         399302.79    3737011.95        0.17747                        399322.79
3737011.95        0.17937
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                        ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        10:15:03

                                  PAGE 120
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL        ***
                                    INCLUDING SOURCE(S):     STCK1       ,
```

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
399342.79	3737011.95	0.18033	399362.79	3737011.95	0.18141
399382.79	3737011.95	0.18312	399402.79	3737011.95	0.18519
399422.79	3737011.95	0.18691	399442.79	3737011.95	0.18866
399462.79	3737011.95	0.18931	399482.79	3737011.95	0.19054
399502.79	3737011.95	0.19296	399522.79	3737011.95	0.19535
399542.79	3737011.95	0.19751	399562.79	3737011.95	0.20024
399582.79	3737011.95	0.20176	399602.79	3737011.95	0.20408
399622.79	3737011.95	0.20682	399642.79	3737011.95	0.21028
399662.79	3737011.95	0.21290	399682.79	3737011.95	0.21561
399702.79	3737011.95	0.21839	399722.79	3737011.95	0.22123
399742.79	3737011.95	0.22412	399762.79	3737011.95	0.22703
399782.79	3737011.95	0.22995	399802.79	3737011.95	0.23284
399822.79	3737011.95	0.23556	399842.79	3737011.95	0.23793
399862.79	3737011.95	0.24062	399882.79	3737011.95	0.24415
399902.79	3737011.95	0.24686	399922.79	3737011.95	0.24953
399942.79	3737011.95	0.25218	399962.79	3737011.95	0.25481
399982.79	3737011.95	0.25749	400002.79	3737011.95	0.26025
400022.79	3737011.95	0.26313	400042.79	3737011.95	0.26617
400062.79	3737011.95	0.26940	400082.79	3737011.95	0.27135
400102.79	3737011.95	0.27660	400122.79	3737011.95	0.28058

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         400142.79    3737011.95        0.28480                      400162.79
3737011.95        0.28920
         400182.79    3737011.95        0.29375                      398682.79
3737031.95        0.14360
         398702.79    3737031.95        0.14484                      398722.79
3737031.95        0.14020
         398742.79    3737031.95        0.14489                      398762.79
3737031.95        0.14760
         398782.79    3737031.95        0.14836                      398802.79
3737031.95        0.14901
         398822.79    3737031.95        0.15034                      398842.79
3737031.95        0.15189
         398862.79    3737031.95        0.15301                      398882.79
3737031.95        0.15409
         398902.79    3737031.95        0.15466                      398922.79
3737031.95        0.15571
         398942.79    3737031.95        0.15646                      398962.79
3737031.95        0.15794
         398982.79    3737031.95        0.15920                      399002.79
3737031.95        0.16044
         399022.79    3737031.95        0.16150                      399042.79
3737031.95        0.16205
         399062.79    3737031.95        0.16288                      399082.79
3737031.95        0.16444
         399102.79    3737031.95        0.16548                      399122.79
3737031.95        0.16593
         399142.79    3737031.95        0.16760                      399162.79
3737031.95        0.16867
         399182.79    3737031.95        0.16892                      399202.79
3737031.95        0.16948
         399222.79    3737031.95        0.17056                      399242.79
3737031.95        0.17256
         399262.79    3737031.95        0.17358                      399282.79
3737031.95        0.17557
         399302.79    3737031.95        0.17718                      399322.79
3737031.95        0.17936
         399342.79    3737031.95        0.18047                      399362.79
3737031.95        0.18148
         399382.79    3737031.95        0.18365                      399402.79
3737031.95        0.18520
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                                   ***        10:15:03

                                    PAGE 121
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                   *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
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INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
399422.79	3737031.95	0.18648	399442.79	3737031.95	0.18820
399462.79	3737031.95	0.18889	399482.79	3737031.95	0.19125
399502.79	3737031.95	0.19279	399522.79	3737031.95	0.19495
399542.79	3737031.95	0.19817	399562.79	3737031.95	0.20017
399582.79	3737031.95	0.20182	399602.79	3737031.95	0.20442
399622.79	3737031.95	0.20717	399642.79	3737031.95	0.21073
399662.79	3737031.95	0.21334	399682.79	3737031.95	0.21602
399702.79	3737031.95	0.21875	399722.79	3737031.95	0.22153
399742.79	3737031.95	0.22434	399762.79	3737031.95	0.22716
399782.79	3737031.95	0.22996	399802.79	3737031.95	0.23273
399822.79	3737031.95	0.23543	399842.79	3737031.95	0.23764
399862.79	3737031.95	0.24028	399882.79	3737031.95	0.24302
399902.79	3737031.95	0.24592	399922.79	3737031.95	0.24840
399942.79	3737031.95	0.25083	399962.79	3737031.95	0.25300
399982.79	3737031.95	0.25562	400002.79	3737031.95	0.25825
400022.79	3737031.95	0.26089	400042.79	3737031.95	0.26367
400062.79	3737031.95	0.26543	400082.79	3737031.95	0.26928
400102.79	3737031.95	0.27327	400122.79	3737031.95	0.27693
400142.79	3737031.95	0.28081	400162.79	3737031.95	0.28486

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         400182.79    3737031.95        0.28904                      398682.79
3737051.95        0.14359
         398702.79    3737051.95        0.14358                      398722.79
3737051.95        0.13939
         398742.79    3737051.95        0.14616                      398762.79
3737051.95        0.14731
         398782.79    3737051.95        0.14777                      398802.79
3737051.95        0.14861
         398822.79    3737051.95        0.14974                      398842.79
3737051.95        0.15093
         398862.79    3737051.95        0.15263                      398882.79
3737051.95        0.15380
         398902.79    3737051.95        0.15477                      398922.79
3737051.95        0.15519
         398942.79    3737051.95        0.15607                      398962.79
3737051.95        0.15769
         398982.79    3737051.95        0.15876                      399002.79
3737051.95        0.15998
         399022.79    3737051.95        0.16097                      399042.79
3737051.95        0.16196
         399062.79    3737051.95        0.16278                      399082.79
3737051.95        0.16357
         399102.79    3737051.95        0.16451                      399122.79
3737051.95        0.16599
         399142.79    3737051.95        0.16719                      399162.79
3737051.95        0.16820
         399182.79    3737051.95        0.16923                      399202.79
3737051.95        0.16991
         399222.79    3737051.95        0.17076                      399242.79
3737051.95        0.17224
         399262.79    3737051.95        0.17345                      399282.79
3737051.95        0.17576
         399302.79    3737051.95        0.17735                      399322.79
3737051.95        0.17868
         399342.79    3737051.95        0.18049                      399362.79
3737051.95        0.18206
         399382.79    3737051.95        0.18369                      399402.79
3737051.95        0.18502
         399422.79    3737051.95        0.18657                      399442.79
3737051.95        0.18727
         399462.79    3737051.95        0.18910                      399482.79
3737051.95        0.19187
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        10:15:03

                                  PAGE 122
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
399502.79	3737051.95	0.19395	399522.79	3737051.95	0.19547
399542.79	3737051.95	0.19741	399562.79	3737051.95	0.19961
399582.79	3737051.95	0.20206	399602.79	3737051.95	0.20482
399622.79	3737051.95	0.20776	399642.79	3737051.95	0.21107
399662.79	3737051.95	0.21367	399682.79	3737051.95	0.21632
399702.79	3737051.95	0.21900	399722.79	3737051.95	0.22171
399742.79	3737051.95	0.22443	399762.79	3737051.95	0.22715
399782.79	3737051.95	0.22984	399802.79	3737051.95	0.23239
399822.79	3737051.95	0.23505	399842.79	3737051.95	0.23744
399862.79	3737051.95	0.24014	399882.79	3737051.95	0.24254
399902.79	3737051.95	0.24430	399922.79	3737051.95	0.24706
399942.79	3737051.95	0.24883	399962.79	3737051.95	0.25123
399982.79	3737051.95	0.25370	400002.79	3737051.95	0.25623
400022.79	3737051.95	0.25864	400042.79	3737051.95	0.26048
400062.79	3737051.95	0.26302	400082.79	3737051.95	0.26685
400102.79	3737051.95	0.26975	400122.79	3737051.95	0.27337
400142.79	3737051.95	0.27694	400162.79	3737051.95	0.28066
400182.79	3737051.95	0.28451	398682.79	3737071.95	0.14337

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         398702.79    3737071.95        0.13836                      398722.79
3737071.95        0.14305
         398742.79    3737071.95        0.14607                      398762.79
3737071.95        0.14661
         398782.79    3737071.95        0.14733                      398802.79
3737071.95        0.14829
         398822.79    3737071.95        0.14944                      398842.79
3737071.95        0.15055
         398862.79    3737071.95        0.15169                      398882.79
3737071.95        0.15307
         398902.79    3737071.95        0.15436                      398922.79
3737071.95        0.15519
         398942.79    3737071.95        0.15626                      398962.79
3737071.95        0.15713
         398982.79    3737071.95        0.15862                      399002.79
3737071.95        0.15941
         399022.79    3737071.95        0.16028                      399042.79
3737071.95        0.16121
         399062.79    3737071.95        0.16205                      399082.79
3737071.95        0.16380
         399102.79    3737071.95        0.16440                      399122.79
3737071.95        0.16518
         399142.79    3737071.95        0.16653                      399162.79
3737071.95        0.16776
         399182.79    3737071.95        0.16874                      399202.79
3737071.95        0.17017
         399222.79    3737071.95        0.17134                      399242.79
3737071.95        0.17212
         399262.79    3737071.95        0.17332                      399282.79
3737071.95        0.17542
         399302.79    3737071.95        0.17693                      399322.79
3737071.95        0.17842
         399342.79    3737071.95        0.17995                      399362.79
3737071.95        0.18183
         399382.79    3737071.95        0.18328                      399402.79
3737071.95        0.18476
         399422.79    3737071.95        0.18596                      399442.79
3737071.95        0.18712
         399462.79    3737071.95        0.18977                      399482.79
3737071.95        0.19228
         399502.79    3737071.95        0.19417                      399522.79
3737071.95        0.19621
         399542.79    3737071.95        0.19772                      399562.79
3737071.95        0.19995
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                        ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                                  ***        10:15:03
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
399582.79	3737071.95	0.20222	399602.79	3737071.95	0.20486
399622.79	3737071.95	0.20879	399642.79	3737071.95	0.21132
399662.79	3737071.95	0.21389	399682.79	3737071.95	0.21650
399702.79	3737071.95	0.21914	399722.79	3737071.95	0.22178
399742.79	3737071.95	0.22441	399762.79	3737071.95	0.22703
399782.79	3737071.95	0.22961	399802.79	3737071.95	0.23214
399822.79	3737071.95	0.23415	399842.79	3737071.95	0.23702
399862.79	3737071.95	0.23934	399882.79	3737071.95	0.24159
399902.79	3737071.95	0.24375	399922.79	3737071.95	0.24534
399942.79	3737071.95	0.24705	399962.79	3737071.95	0.24911
399982.79	3737071.95	0.25205	400002.79	3737071.95	0.25418
400022.79	3737071.95	0.25639	400042.79	3737071.95	0.25734
400062.79	3737071.95	0.26020	400082.79	3737071.95	0.26391
400102.79	3737071.95	0.26680	400122.79	3737071.95	0.26989
400142.79	3737071.95	0.27317	400162.79	3737071.95	0.27660
400182.79	3737071.95	0.28014	398682.79	3737091.95	0.14173
398702.79	3737091.95	0.13748	398722.79	3737091.95	0.14403

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         398742.79    3737091.95        0.14512                        398762.79
3737091.95        0.14586
         398782.79    3737091.95        0.14743                        398802.79
3737091.95        0.14835
         398822.79    3737091.95        0.14916                        398842.79
3737091.95        0.15021
         398862.79    3737091.95        0.15147                        398882.79
3737091.95        0.15271
         398902.79    3737091.95        0.15379                        398922.79
3737091.95        0.15476
         398942.79    3737091.95        0.15572                        398962.79
3737091.95        0.15685
         398982.79    3737091.95        0.15810                        399002.79
3737091.95        0.15896
         399022.79    3737091.95        0.15983                        399042.79
3737091.95        0.16069
         399062.79    3737091.95        0.16170                        399082.79
3737091.95        0.16313
         399102.79    3737091.95        0.16439                        399122.79
3737091.95        0.16527
         399142.79    3737091.95        0.16575                        399162.79
3737091.95        0.16704
         399182.79    3737091.95        0.16870                        399202.79
3737091.95        0.16984
         399222.79    3737091.95        0.17096                        399242.79
3737091.95        0.17190
         399262.79    3737091.95        0.17357                        399282.79
3737091.95        0.17501
         399302.79    3737091.95        0.17591                        399322.79
3737091.95        0.17763
         399342.79    3737091.95        0.17983                        399362.79
3737091.95        0.18125
         399382.79    3737091.95        0.18269                        399402.79
3737091.95        0.18441
         399422.79    3737091.95        0.18525                        399442.79
3737091.95        0.18745
         399462.79    3737091.95        0.18982                        399482.79
3737091.95        0.19202
         399502.79    3737091.95        0.19433                        399522.79
3737091.95        0.19621
         399542.79    3737091.95        0.19793                        399562.79
3737091.95        0.20021
         399582.79    3737091.95        0.20245                        399602.79
3737091.95        0.20647
         399622.79    3737091.95        0.20894                        399642.79
3737091.95        0.21146
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                                   ***        10:15:03
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
399662.79	3737091.95	0.21400	399682.79	3737091.95	0.21658
399702.79	3737091.95	0.21916	399722.79	3737091.95	0.22147
399742.79	3737091.95	0.22429	399762.79	3737091.95	0.22681
399782.79	3737091.95	0.22928	399802.79	3737091.95	0.23169
399822.79	3737091.95	0.23402	399842.79	3737091.95	0.23628
399862.79	3737091.95	0.23845	399882.79	3737091.95	0.24054
399902.79	3737091.95	0.24254	399922.79	3737091.95	0.24392
399942.79	3737091.95	0.24572	399962.79	3737091.95	0.24760
399982.79	3737091.95	0.24980	400002.79	3737091.95	0.25210
400022.79	3737091.95	0.25314	400042.79	3737091.95	0.25496
400062.79	3737091.95	0.25736	400082.79	3737091.95	0.26007
400102.79	3737091.95	0.26367	400122.79	3737091.95	0.26651
400142.79	3737091.95	0.26953	400162.79	3737091.95	0.27267
400182.79	3737091.95	0.27593	398682.79	3737111.95	0.13730
398702.79	3737111.95	0.14174	398722.79	3737111.95	0.14396
398742.79	3737111.95	0.14452	398762.79	3737111.95	0.14581

```
         398782.79    3737111.95        0.14721                    398802.79
3737111.95        0.14821
         398822.79    3737111.95        0.14941                    398842.79
3737111.95        0.15022
         398862.79    3737111.95        0.15129                    398882.79
3737111.95        0.15224
         398902.79    3737111.95        0.15297                    398922.79
3737111.95        0.15408
         398942.79    3737111.95        0.15515                    398962.79
3737111.95        0.15658
         398982.79    3737111.95        0.15776                    399002.79
3737111.95        0.15875
         399022.79    3737111.95        0.15935                    399042.79
3737111.95        0.16032
         399062.79    3737111.95        0.16135                    399082.79
3737111.95        0.16243
         399102.79    3737111.95        0.16363                    399122.79
3737111.95        0.16500
         399142.79    3737111.95        0.16614                    399162.79
3737111.95        0.16660
         399182.79    3737111.95        0.16754                    399202.79
3737111.95        0.16918
         399222.79    3737111.95        0.17044                    399242.79
3737111.95        0.17171
         399262.79    3737111.95        0.17334                    399282.79
3737111.95        0.17452
         399302.79    3737111.95        0.17558                    399322.79
3737111.95        0.17678
         399342.79    3737111.95        0.17855                    399362.79
3737111.95        0.18064
         399382.79    3737111.95        0.18253                    399402.79
3737111.95        0.18353
         399422.79    3737111.95        0.18520                    399442.79
3737111.95        0.18783
         399462.79    3737111.95        0.19001                    399482.79
3737111.95        0.19207
         399502.79    3737111.95        0.19429                    399522.79
3737111.95        0.19591
         399542.79    3737111.95        0.19818                    399562.79
3737111.95        0.20048
         399582.79    3737111.95        0.20339                    399602.79
3737111.95        0.20649
         399622.79    3737111.95        0.20898                    399642.79
3737111.95        0.21150
         399662.79    3737111.95        0.21401                    399682.79
3737111.95        0.21645
         399702.79    3737111.95        0.21884                    399722.79
3737111.95        0.22116
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
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 *** AERMET - VERSION  16216 ***   ***
                        ***       10:15:03

                                  PAGE 125
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
                                  INCLUDING SOURCE(S):     STCK1       ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                         ** CONC OF PM_10    IN MICROGRAMS/M**3
                    **

       X-COORD (M)   Y-COORD (M)        CONC                         X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
         399742.79    3737111.95        0.22390                        399762.79
3737111.95        0.22637
         399782.79    3737111.95        0.22883                        399802.79
3737111.95        0.23111
         399822.79    3737111.95        0.23319                        399842.79
3737111.95        0.23544
         399862.79    3737111.95        0.23746                        399882.79
3737111.95        0.23939
         399902.79    3737111.95        0.24114                        399922.79
3737111.95        0.24273
         399942.79    3737111.95        0.24477                        399962.79
3737111.95        0.24650
         399982.79    3737111.95        0.24823                        400002.79
3737111.95        0.24888
         400022.79    3737111.95        0.25142                        400042.79
3737111.95        0.25381
         400062.79    3737111.95        0.25525                        400082.79
3737111.95        0.25738
         400102.79    3737111.95        0.25987                        400122.79
3737111.95        0.26258
         400142.79    3737111.95        0.26598                        400162.79
3737111.95        0.26888
         400182.79    3737111.95        0.27187                        398682.79
3737131.95        0.13690
         398702.79    3737131.95        0.14263                        398722.79
3737131.95        0.14361
         398742.79    3737131.95        0.14416                        398762.79
3737131.95        0.14528
         398782.79    3737131.95        0.14666                        398802.79
3737131.95        0.14790
```

398822.79	3737131.95	0.14902	398842.79	3737131.95	0.15007
398862.79	3737131.95	0.15088	398882.79	3737131.95	0.15191
398902.79	3737131.95	0.15272	398922.79	3737131.95	0.15378
398942.79	3737131.95	0.15472	398962.79	3737131.95	0.15618
398982.79	3737131.95	0.15703	399002.79	3737131.95	0.15780
399022.79	3737131.95	0.15873	399042.79	3737131.95	0.16002
399062.79	3737131.95	0.16095	399082.79	3737131.95	0.16205
399102.79	3737131.95	0.16318	399122.79	3737131.95	0.16438
399142.79	3737131.95	0.16573	399162.79	3737131.95	0.16688
399182.79	3737131.95	0.16756	399202.79	3737131.95	0.16813
399222.79	3737131.95	0.16952	399242.79	3737131.95	0.17124
399262.79	3737131.95	0.17296	399282.79	3737131.95	0.17400
399302.79	3737131.95	0.17515	399322.79	3737131.95	0.17654
399342.79	3737131.95	0.17790	399362.79	3737131.95	0.17945
399382.79	3737131.95	0.18170	399402.79	3737131.95	0.18301
399422.79	3737131.95	0.18538	399442.79	3737131.95	0.18715
399462.79	3737131.95	0.18941	399482.79	3737131.95	0.19194
399502.79	3737131.95	0.19425	399522.79	3737131.95	0.19628
399542.79	3737131.95	0.19812	399562.79	3737131.95	0.20063
399582.79	3737131.95	0.20392	399602.79	3737131.95	0.20638
399622.79	3737131.95	0.20887	399642.79	3737131.95	0.21139
399662.79	3737131.95	0.21389	399682.79	3737131.95	0.21637
399702.79	3737131.95	0.21885	399722.79	3737131.95	0.22128
399742.79	3737131.95	0.22353	399762.79	3737131.95	0.22599
399782.79	3737131.95	0.22825	399802.79	3737131.95	0.23043

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↑ *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                          ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        10:15:03

                                  PAGE 126
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
                                  INCLUDING SOURCE(S):     STCK1       ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

       X-COORD (M)   Y-COORD (M)        CONC                          X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
         399822.79    3737131.95        0.23251                         399842.79
3737131.95        0.23437
         399862.79    3737131.95        0.23638                         399882.79
3737131.95        0.23817
         399902.79    3737131.95        0.23988                         399922.79
3737131.95        0.24152
         399942.79    3737131.95        0.24311                         399962.79
3737131.95        0.24468
         399982.79    3737131.95        0.24626                         400002.79
3737131.95        0.24711
         400022.79    3737131.95        0.24957                         400042.79
3737131.95        0.25137
         400062.79    3737131.95        0.25329                         400082.79
3737131.95        0.25536
         400102.79    3737131.95        0.25691                         400122.79
3737131.95        0.25896
         400142.79    3737131.95        0.26131                         400162.79
3737131.95        0.26489
         400182.79    3737131.95        0.26794                         398682.79
3737151.95        0.13991
         398702.79    3737151.95        0.14241                         398722.79
3737151.95        0.14282
         398742.79    3737151.95        0.14357                         398762.79
3737151.95        0.14467
         398782.79    3737151.95        0.14611                         398802.79
3737151.95        0.14764
         398822.79    3737151.95        0.14841                         398842.79
3737151.95        0.14967
```

398862.79	3737151.95	0.15028	398882.79	3737151.95	0.15125
398902.79	3737151.95	0.15213	398922.79	3737151.95	0.15312
398942.79	3737151.95	0.15431	398962.79	3737151.95	0.15537
398982.79	3737151.95	0.15601	399002.79	3737151.95	0.15705
399022.79	3737151.95	0.15878	399042.79	3737151.95	0.15994
399062.79	3737151.95	0.16080	399082.79	3737151.95	0.16170
399102.79	3737151.95	0.16300	399122.79	3737151.95	0.16427
399142.79	3737151.95	0.16506	399162.79	3737151.95	0.16637
399182.79	3737151.95	0.16780	399202.79	3737151.95	0.16886
399222.79	3737151.95	0.16905	399242.79	3737151.95	0.17001
399262.79	3737151.95	0.17217	399282.79	3737151.95	0.17383
399302.79	3737151.95	0.17508	399322.79	3737151.95	0.17654
399342.79	3737151.95	0.17816	399362.79	3737151.95	0.17968
399382.79	3737151.95	0.18088	399402.79	3737151.95	0.18301
399422.79	3737151.95	0.18555	399442.79	3737151.95	0.18691
399462.79	3737151.95	0.18876	399482.79	3737151.95	0.19125
399502.79	3737151.95	0.19410	399522.79	3737151.95	0.19668
399542.79	3737151.95	0.19898	399562.79	3737151.95	0.20133
399582.79	3737151.95	0.20373	399602.79	3737151.95	0.20617
399622.79	3737151.95	0.20865	399642.79	3737151.95	0.21113
399662.79	3737151.95	0.21360	399682.79	3737151.95	0.21607
399702.79	3737151.95	0.21849	399722.79	3737151.95	0.22086
399742.79	3737151.95	0.22317	399762.79	3737151.95	0.22541
399782.79	3737151.95	0.22757	399802.79	3737151.95	0.22931
399822.79	3737151.95	0.23159	399842.79	3737151.95	0.23346

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         399862.79    3737151.95        0.23522                            399882.79
3737151.95        0.23688
↑ *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                        ***        10/21/20
 *** AERMET - VERSION  16216 ***    ***
                       ***        10:15:03

                                  PAGE 127
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
                                  INCLUDING SOURCE(S):     STCK1       ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

       X-COORD (M)   Y-COORD (M)        CONC                          X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
         399902.79    3737151.95        0.23846                            399922.79
3737151.95        0.23996
         399942.79    3737151.95        0.24141                            399962.79
3737151.95        0.24284
         399982.79    3737151.95        0.24380                            400002.79
3737151.95        0.24575
         400022.79    3737151.95        0.24729                            400042.79
3737151.95        0.24893
         400062.79    3737151.95        0.25068                            400082.79
3737151.95        0.25258
         400102.79    3737151.95        0.25463                            400122.79
3737151.95        0.25638
         400142.79    3737151.95        0.25813                            400162.79
3737151.95        0.26161
         400182.79    3737151.95        0.26414                            398682.79
3737171.95        0.14096
         398702.79    3737171.95        0.14183                            398722.79
3737171.95        0.14236
         398742.79    3737171.95        0.14323                            398762.79
3737171.95        0.14425
         398782.79    3737171.95        0.14563                            398802.79
3737171.95        0.14683
         398822.79    3737171.95        0.14783                            398842.79
3737171.95        0.14889
         398862.79    3737171.95        0.14951                            398882.79
3737171.95        0.15056
```

398902.79	3737171.95	0.15163	398922.79	3737171.95	0.15264
398942.79	3737171.95	0.15379	398962.79	3737171.95	0.15426
398982.79	3737171.95	0.15539	399002.79	3737171.95	0.15683
399022.79	3737171.95	0.15830	399042.79	3737171.95	0.15928
399062.79	3737171.95	0.16043	399082.79	3737171.95	0.16161
399102.79	3737171.95	0.16270	399122.79	3737171.95	0.16382
399142.79	3737171.95	0.16463	399162.79	3737171.95	0.16578
399182.79	3737171.95	0.16702	399202.79	3737171.95	0.16821
399222.79	3737171.95	0.16929	399242.79	3737171.95	0.17005
399262.79	3737171.95	0.17081	399282.79	3737171.95	0.17301
399302.79	3737171.95	0.17507	399322.79	3737171.95	0.17633
399342.79	3737171.95	0.17804	399362.79	3737171.95	0.17905
399382.79	3737171.95	0.18068	399402.79	3737171.95	0.18342
399422.79	3737171.95	0.18520	399442.79	3737171.95	0.18664
399462.79	3737171.95	0.18858	399482.79	3737171.95	0.19077
399502.79	3737171.95	0.19353	399522.79	3737171.95	0.19613
399542.79	3737171.95	0.19877	399562.79	3737171.95	0.20111
399582.79	3737171.95	0.20348	399602.79	3737171.95	0.20589
399622.79	3737171.95	0.20832	399642.79	3737171.95	0.21076
399662.79	3737171.95	0.21319	399682.79	3737171.95	0.21560
399702.79	3737171.95	0.21797	399722.79	3737171.95	0.22030
399742.79	3737171.95	0.22254	399762.79	3737171.95	0.22470
399782.79	3737171.95	0.22644	399802.79	3737171.95	0.22859
399822.79	3737171.95	0.23026	399842.79	3737171.95	0.23223
399862.79	3737171.95	0.23392	399882.79	3737171.95	0.23551

                              *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                  INCLUDING SOURCE(S):   STCK1   ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                  ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
        399982.79   3737171.95   0.24204   400002.79
3737171.95   0.24361
        400022.79   3737171.95   0.24501   400042.79
3737171.95   0.24650
        400062.79   3737171.95   0.24811   400082.79
3737171.95   0.24985
        400102.79   3737171.95   0.25171   400122.79
3737171.95   0.25373
        400142.79   3737171.95   0.25587   400162.79
3737171.95   0.25812
        400182.79   3737171.95   0.26045   398682.79
3737191.95   0.14074
        398702.79   3737191.95   0.14137   398722.79
3737191.95   0.14205
        398742.79   3737191.95   0.14300   398762.79
3737191.95   0.14390
        398782.79   3737191.95   0.14533   398802.79
3737191.95   0.14631
        398822.79   3737191.95   0.14770   398842.79
3737191.95   0.14847
        398862.79   3737191.95   0.14915   398882.79
3737191.95   0.15023
        398902.79   3737191.95   0.15127   398922.79
3737191.95   0.15237

398942.79 3737191.95 0.15322 398962.79 3737191.95 0.15371
398982.79 3737191.95 0.15483 399002.79 3737191.95 0.15614
399022.79 3737191.95 0.15751 399042.79 3737191.95 0.15859
399062.79 3737191.95 0.15977 399082.79 3737191.95 0.16087
399102.79 3737191.95 0.16197 399122.79 3737191.95 0.16318
399142.79 3737191.95 0.16403 399162.79 3737191.95 0.16477
399182.79 3737191.95 0.16656 399202.79 3737191.95 0.16780
399222.79 3737191.95 0.16903 399242.79 3737191.95 0.16963
399262.79 3737191.95 0.17036 399282.79 3737191.95 0.17186
399302.79 3737191.95 0.17383 399322.79 3737191.95 0.17606
399342.79 3737191.95 0.17750 399362.79 3737191.95 0.17856
399382.79 3737191.95 0.18122 399402.79 3737191.95 0.18343
399422.79 3737191.95 0.18466 399442.79 3737191.95 0.18654
399462.79 3737191.95 0.18860 399482.79 3737191.95 0.19142
399502.79 3737191.95 0.19403 399522.79 3737191.95 0.19606
399542.79 3737191.95 0.19789 399562.79 3737191.95 0.20075
399582.79 3737191.95 0.20318 399602.79 3737191.95 0.20555
399622.79 3737191.95 0.20793 399642.79 3737191.95 0.21032
399662.79 3737191.95 0.21269 399682.79 3737191.95 0.21503
399702.79 3737191.95 0.21733 399722.79 3737191.95 0.21958
399742.79 3737191.95 0.22175 399762.79 3737191.95 0.22384
399782.79 3737191.95 0.22583 399802.79 3737191.95 0.22770
399822.79 3737191.95 0.22917 399842.79 3737191.95 0.23096
399862.79 3737191.95 0.23249 399882.79 3737191.95 0.23368
399902.79 3737191.95 0.23535 399922.79 3737191.95 0.23665

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         399942.79    3737191.95        0.23786                          399962.79
3737191.95        0.23882
         399982.79    3737191.95        0.24024                          400002.79
3737191.95        0.24146
         400022.79    3737191.95        0.24273                          400042.79
3737191.95        0.24409
↑ *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                        ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                       ***       10:15:03

                                  PAGE 129
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
                                  INCLUDING SOURCE(S):     STCK1       ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

       X-COORD (M)   Y-COORD (M)        CONC                           X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
         400062.79    3737191.95        0.24555                          400082.79
3737191.95        0.24713
         400102.79    3737191.95        0.24884                          400122.79
3737191.95        0.25069
         400142.79    3737191.95        0.25266                          400162.79
3737191.95        0.25472
         400182.79    3737191.95        0.25686                          398682.79
3737211.95        0.14050
         398702.79    3737211.95        0.14127                          398722.79
3737211.95        0.14218
         398742.79    3737211.95        0.14314                          398762.79
3737211.95        0.14368
         398782.79    3737211.95        0.14503                          398802.79
3737211.95        0.14613
         398822.79    3737211.95        0.14704                          398842.79
3737211.95        0.14799
         398862.79    3737211.95        0.14893                          398882.79
3737211.95        0.14974
         398902.79    3737211.95        0.15075                          398922.79
3737211.95        0.15156
         398942.79    3737211.95        0.15266                          398962.79
3737211.95        0.15363
```

```
         398982.79    3737211.95        0.15439                    399002.79
3737211.95        0.15536
         399022.79    3737211.95        0.15632                    399042.79
3737211.95        0.15765
         399062.79    3737211.95        0.15934                    399082.79
3737211.95        0.16030
         399102.79    3737211.95        0.16146                    399122.79
3737211.95        0.16260
         399142.79    3737211.95        0.16366                    399162.79
3737211.95        0.16417
         399182.79    3737211.95        0.16574                    399202.79
3737211.95        0.16728
         399222.79    3737211.95        0.16853                    399242.79
3737211.95        0.16881
         399262.79    3737211.95        0.17013                    399282.79
3737211.95        0.17162
         399302.79    3737211.95        0.17366                    399322.79
3737211.95        0.17499
         399342.79    3737211.95        0.17650                    399362.79
3737211.95        0.17853
         399382.79    3737211.95        0.18174                    399402.79
3737211.95        0.18359
         399422.79    3737211.95        0.18519                    399442.79
3737211.95        0.18688
         399462.79    3737211.95        0.18917                    399482.79
3737211.95        0.19163
         399502.79    3737211.95        0.19378                    399522.79
3737211.95        0.19598
         399542.79    3737211.95        0.19811                    399562.79
3737211.95        0.20007
         399582.79    3737211.95        0.20282                    399602.79
3737211.95        0.20514
         399622.79    3737211.95        0.20747                    399642.79
3737211.95        0.20980
         399662.79    3737211.95        0.21210                    399682.79
3737211.95        0.21438
         399702.79    3737211.95        0.21659                    399722.79
3737211.95        0.21875
         399742.79    3737211.95        0.22084                    399762.79
3737211.95        0.22284
         399782.79    3737211.95        0.22473                    399802.79
3737211.95        0.22653
         399822.79    3737211.95        0.22766                    399842.79
3737211.95        0.22931
         399862.79    3737211.95        0.23119                    399882.79
3737211.95        0.23252
         399902.79    3737211.95        0.23374                    399922.79
3737211.95        0.23490
         399942.79    3737211.95        0.23600                    399962.79
3737211.95        0.23686
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         399982.79    3737211.95        0.23817                           400002.79
3737211.95        0.23928
         400022.79    3737211.95        0.24044                           400042.79
3737211.95        0.24167
         400062.79    3737211.95        0.24301                           400082.79
3737211.95        0.24445
         400102.79    3737211.95        0.24602                           400122.79
3737211.95        0.24771
↑ *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        10:15:03

                                  PAGE 130
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
                                  INCLUDING SOURCE(S):     STCK1       ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

       X-COORD (M)   Y-COORD (M)        CONC                            X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
         400142.79    3737211.95        0.24951                           400162.79
3737211.95        0.25141
         400182.79    3737211.95        0.25338                           398682.79
3737231.95        0.13993
         398702.79    3737231.95        0.14092                           398722.79
3737231.95        0.14173
         398742.79    3737231.95        0.14259                           398762.79
3737231.95        0.14325
         398782.79    3737231.95        0.14437                           398802.79
3737231.95        0.14557
         398822.79    3737231.95        0.14658                           398842.79
3737231.95        0.14746
         398862.79    3737231.95        0.14849                           398882.79
3737231.95        0.14938
         398902.79    3737231.95        0.15039                           398922.79
3737231.95        0.15116
         398942.79    3737231.95        0.15202                           398962.79
3737231.95        0.15318
         398982.79    3737231.95        0.15436                           399002.79
3737231.95        0.15504
```

399022.79 3737231.95 0.15566 399042.79
3737231.95 0.15709
399062.79 3737231.95 0.15884 399082.79
3737231.95 0.15975
399102.79 3737231.95 0.16101 399122.79
3737231.95 0.16162
399142.79 3737231.95 0.16232 399162.79
3737231.95 0.16372
399182.79 3737231.95 0.16536 399202.79
3737231.95 0.16686
399222.79 3737231.95 0.16821 399242.79
3737231.95 0.16905
399262.79 3737231.95 0.17007 399282.79
3737231.95 0.17170
399302.79 3737231.95 0.17402 399322.79
3737231.95 0.17491
399342.79 3737231.95 0.17641 399362.79
3737231.95 0.17962
399382.79 3737231.95 0.18139 399402.79
3737231.95 0.18332
399422.79 3737231.95 0.18525 399442.79
3737231.95 0.18723
399462.79 3737231.95 0.18926 399482.79
3737231.95 0.19136
399502.79 3737231.95 0.19350 399522.79
3737231.95 0.19568
399542.79 3737231.95 0.19789 399562.79
3737231.95 0.20014
399582.79 3737231.95 0.20217 399602.79
3737231.95 0.20424
399622.79 3737231.95 0.20696 399642.79
3737231.95 0.20922
399662.79 3737231.95 0.21146 399682.79
3737231.95 0.21365
399702.79 3737231.95 0.21578 399722.79
3737231.95 0.21786
399742.79 3737231.95 0.21984 399762.79
3737231.95 0.22174
399782.79 3737231.95 0.22354 399802.79
3737231.95 0.22523
399822.79 3737231.95 0.22681 399842.79
3737231.95 0.22781
399862.79 3737231.95 0.22961 399882.79
3737231.95 0.23085
399902.79 3737231.95 0.23200 399922.79
3737231.95 0.23307
399942.79 3737231.95 0.23386 399962.79
3737231.95 0.23471
399982.79 3737231.95 0.23596 400002.79
3737231.95 0.23706

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         400022.79    3737231.95        0.23812                       400042.79
3737231.95        0.23925
         400062.79    3737231.95        0.24046                       400082.79
3737231.95        0.24179
         400102.79    3737231.95        0.24322                       400122.79
3737231.95        0.24477
         400142.79    3737231.95        0.24642                       400162.79
3737231.95        0.24817
         400182.79    3737231.95        0.24998                       398682.79
3737251.95        0.13912
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                                   ***        10:15:03

                                              PAGE 131
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                  *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
                                  INCLUDING SOURCE(S):     STCK1       ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                              ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                          X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         398702.79    3737251.95        0.14003                       398722.79
3737251.95        0.14098
         398742.79    3737251.95        0.14233                       398762.79
3737251.95        0.14317
         398782.79    3737251.95        0.14383                       398802.79
3737251.95        0.14512
         398822.79    3737251.95        0.14591                       398842.79
3737251.95        0.14676
         398862.79    3737251.95        0.14789                       398882.79
3737251.95        0.14876
         398902.79    3737251.95        0.14956                       398922.79
3737251.95        0.15061
         398942.79    3737251.95        0.15152                       398962.79
3737251.95        0.15217
         398982.79    3737251.95        0.15355                       399002.79
3737251.95        0.15503
         399022.79    3737251.95        0.15587                       399042.79
3737251.95        0.15681
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399062.79 3737251.95 0.15821 399082.79 3737251.95 0.15927
399102.79 3737251.95 0.16035 399122.79 3737251.95 0.16125
399142.79 3737251.95 0.16242 399162.79 3737251.95 0.16395
399182.79 3737251.95 0.16478 399202.79 3737251.95 0.16627
399222.79 3737251.95 0.16789 399242.79 3737251.95 0.16940
399262.79 3737251.95 0.17054 399282.79 3737251.95 0.17199
399302.79 3737251.95 0.17347 399322.79 3737251.95 0.17445
399342.79 3737251.95 0.17697 399362.79 3737251.95 0.17916
399382.79 3737251.95 0.18117 399402.79 3737251.95 0.18304
399422.79 3737251.95 0.18496 399442.79 3737251.95 0.18694
399462.79 3737251.95 0.18898 399482.79 3737251.95 0.19105
399502.79 3737251.95 0.19318 399522.79 3737251.95 0.19533
399542.79 3737251.95 0.19752 399562.79 3737251.95 0.19973
399582.79 3737251.95 0.20129 399602.79 3737251.95 0.20346
399622.79 3737251.95 0.20591 399642.79 3737251.95 0.20858
399662.79 3737251.95 0.21075 399682.79 3737251.95 0.21285
399702.79 3737251.95 0.21490 399722.79 3737251.95 0.21688
399742.79 3737251.95 0.21878 399762.79 3737251.95 0.22057
399782.79 3737251.95 0.22226 399802.79 3737251.95 0.22385
399822.79 3737251.95 0.22532 399842.79 3737251.95 0.22668
399862.79 3737251.95 0.22792 399882.79 3737251.95 0.22907
399902.79 3737251.95 0.23014 399922.79 3737251.95 0.23112
399942.79 3737251.95 0.23202 399962.79 3737251.95 0.23280
399982.79 3737251.95 0.23366 400002.79 3737251.95 0.23479
400022.79 3737251.95 0.23575 400042.79 3737251.95 0.23679

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         400062.79    3737251.95        0.23790                      400082.79
3737251.95        0.23912
         400102.79    3737251.95        0.24043                      400122.79
3737251.95        0.24186
         400142.79    3737251.95        0.24337                      400162.79
3737251.95        0.24497
         400182.79    3737251.95        0.24664                      398682.79
3737271.95        0.13884
         398702.79    3737271.95        0.13961                      398722.79
3737271.95        0.14054
         398742.79    3737271.95        0.14182                      398762.79
3737271.95        0.14283
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                                   ***        10:15:03

                                              PAGE 132
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                  *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
                                  INCLUDING SOURCE(S):     STCK1       ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                              ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                         X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         398782.79    3737271.95        0.14328                      398802.79
3737271.95        0.14464
         398822.79    3737271.95        0.14534                      398842.79
3737271.95        0.14589
         398862.79    3737271.95        0.14669                      398882.79
3737271.95        0.14773
         398902.79    3737271.95        0.14884                      398922.79
3737271.95        0.15013
         398942.79    3737271.95        0.15111                      398962.79
3737271.95        0.15185
         398982.79    3737271.95        0.15291                      399002.79
3737271.95        0.15430
         399022.79    3737271.95        0.15555                      399042.79
3737271.95        0.15663
         399062.79    3737271.95        0.15724                      399082.79
3737271.95        0.15795
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399102.79 3737271.95 0.15931 399122.79
3737271.95 0.16095
399142.79 3737271.95 0.16219 399162.79
3737271.95 0.16339
399182.79 3737271.95 0.16477 399202.79
3737271.95 0.16619
399222.79 3737271.95 0.16769 399242.79
3737271.95 0.16916
399262.79 3737271.95 0.17062 399282.79
3737271.95 0.17186
399302.79 3737271.95 0.17266 399322.79
3737271.95 0.17426
399342.79 3737271.95 0.17697 399362.79
3737271.95 0.17902
399382.79 3737271.95 0.18084 399402.79
3737271.95 0.18274
399422.79 3737271.95 0.18466 399442.79
3737271.95 0.18664
399462.79 3737271.95 0.18866 399482.79
3737271.95 0.19072
399502.79 3737271.95 0.19283 399522.79
3737271.95 0.19495
399542.79 3737271.95 0.19711 399562.79
3737271.95 0.19928
399582.79 3737271.95 0.20103 399602.79
3737271.95 0.20315
399622.79 3737271.95 0.20569 399642.79
3737271.95 0.20789
399662.79 3737271.95 0.20997 399682.79
3737271.95 0.21200
399702.79 3737271.95 0.21397 399722.79
3737271.95 0.21585
399742.79 3737271.95 0.21765 399762.79
3737271.95 0.21935
399782.79 3737271.95 0.22089 399802.79
3737271.95 0.22242
399822.79 3737271.95 0.22377 399842.79
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399862.79 3737271.95 0.22618 399882.79
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399902.79 3737271.95 0.22820 399922.79
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399942.79 3737271.95 0.22996 399962.79
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3737271.95 0.23426
400062.79 3737271.95 0.23529 400082.79
3737271.95 0.23641

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         400102.79    3737271.95        0.23762                          400122.79
3737271.95        0.23894
         400142.79    3737271.95        0.24033                          400162.79
3737271.95        0.24181
         400182.79    3737271.95        0.24310                          398682.79
3737291.95        0.13850
         398702.79    3737291.95        0.13915                          398722.79
3737291.95        0.14015
         398742.79    3737291.95        0.14133                          398762.79
3737291.95        0.14235
         398782.79    3737291.95        0.14276                          398802.79
3737291.95        0.14409
         398822.79    3737291.95        0.14472                          398842.79
3737291.95        0.14533
↑ *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                        ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                       ***       10:15:03

                                  PAGE 133
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
                                  INCLUDING SOURCE(S):     STCK1       ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

       X-COORD (M)   Y-COORD (M)        CONC                           X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
         398862.79    3737291.95        0.14611                          398882.79
3737291.95        0.14689
         398902.79    3737291.95        0.14792                          398922.79
3737291.95        0.14925
         398942.79    3737291.95        0.15061                          398962.79
3737291.95        0.15172
         398982.79    3737291.95        0.15267                          399002.79
3737291.95        0.15385
         399022.79    3737291.95        0.15470                          399042.79
3737291.95        0.15572
         399062.79    3737291.95        0.15629                          399082.79
3737291.95        0.15713
         399102.79    3737291.95        0.15888                          399122.79
3737291.95        0.16050
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399142.79 3737291.95 0.16171 399162.79 3737291.95 0.16308
399182.79 3737291.95 0.16439 399202.79 3737291.95 0.16586
399222.79 3737291.95 0.16735 399242.79 3737291.95 0.16886
399262.79 3737291.95 0.17001 399282.79 3737291.95 0.17121
399302.79 3737291.95 0.17233 399322.79 3737291.95 0.17509
399342.79 3737291.95 0.17653 399362.79 3737291.95 0.17864
399382.79 3737291.95 0.18055 399402.79 3737291.95 0.18242
399422.79 3737291.95 0.18435 399442.79 3737291.95 0.18631
399462.79 3737291.95 0.18832 399482.79 3737291.95 0.19036
399502.79 3737291.95 0.19244 399522.79 3737291.95 0.19454
399542.79 3737291.95 0.19666 399562.79 3737291.95 0.19878
399582.79 3737291.95 0.20056 399602.79 3737291.95 0.20271
399622.79 3737291.95 0.20510 399642.79 3737291.95 0.20716
399662.79 3737291.95 0.20916 399682.79 3737291.95 0.21110
399702.79 3737291.95 0.21298 399722.79 3737291.95 0.21477
399742.79 3737291.95 0.21647 399762.79 3737291.95 0.21807
399782.79 3737291.95 0.21956 399802.79 3737291.95 0.22094
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399862.79 3737291.95 0.22440 399882.79 3737291.95 0.22536
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399942.79 3737291.95 0.22783 399962.79 3737291.95 0.22847
399982.79 3737291.95 0.22930 400002.79 3737291.95 0.23005
400022.79 3737291.95 0.23085 400042.79 3737291.95 0.23171
400062.79 3737291.95 0.23264 400082.79 3737291.95 0.23366
400102.79 3737291.95 0.23477 400122.79 3737291.95 0.23597

         398942.79   3737311.95   0.14945   398962.79
3737311.95   0.15115
         398982.79   3737311.95   0.15224   399002.79
3737311.95   0.15324
         399022.79   3737311.95   0.15436   399042.79
3737311.95   0.15491
         399062.79   3737311.95   0.15572   399082.79
3737311.95   0.15716
         399102.79   3737311.95   0.15870   399122.79
3737311.95   0.15996
         399142.79   3737311.95   0.16109   399162.79
3737311.95   0.16219

399182.79 3737311.95 0.16364 399202.79 3737311.95 0.16550
399222.79 3737311.95 0.16686 399242.79 3737311.95 0.16839
399262.79 3737311.95 0.16961 399282.79 3737311.95 0.17048
399302.79 3737311.95 0.17273 399322.79 3737311.95 0.17466
399342.79 3737311.95 0.17660 399362.79 3737311.95 0.17831
399382.79 3737311.95 0.17993 399402.79 3737311.95 0.18209
399422.79 3737311.95 0.18400 399442.79 3737311.95 0.18596
399462.79 3737311.95 0.18795 399482.79 3737311.95 0.18998
399502.79 3737311.95 0.19203 399522.79 3737311.95 0.19409
399542.79 3737311.95 0.19617 399562.79 3737311.95 0.19825
399582.79 3737311.95 0.20031 399602.79 3737311.95 0.20237
399622.79 3737311.95 0.20440 399642.79 3737311.95 0.20637
399662.79 3737311.95 0.20830 399682.79 3737311.95 0.21016
399702.79 3737311.95 0.21195 399722.79 3737311.95 0.21364
399742.79 3737311.95 0.21525 399762.79 3737311.95 0.21675
399782.79 3737311.95 0.21815 399802.79 3737311.95 0.21942
399822.79 3737311.95 0.22060 399842.79 3737311.95 0.22165
399862.79 3737311.95 0.22261 399882.79 3737311.95 0.22348
399902.79 3737311.95 0.22427 399922.79 3737311.95 0.22500
399942.79 3737311.95 0.22523 399962.79 3737311.95 0.22599
399982.79 3737311.95 0.22639 400002.79 3737311.95 0.22768
400022.79 3737311.95 0.22839 400042.79 3737311.95 0.22916
400062.79 3737311.95 0.23000 400082.79 3737311.95 0.23092
400102.79 3737311.95 0.23193 400122.79 3737311.95 0.23303
400142.79 3737311.95 0.23421 400162.79 3737311.95 0.23542

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
399022.79	3737331.95	0.15377	399042.79	3737331.95	0.15459
399062.79	3737331.95	0.15539	399082.79	3737331.95	0.15702
399102.79	3737331.95	0.15832	399122.79	3737331.95	0.15969
399142.79	3737331.95	0.16062	399162.79	3737331.95	0.16116
399182.79	3737331.95	0.16264	399202.79	3737331.95	0.16430

399222.79 3737331.95 0.16647 399242.79 3737331.95 0.16778
399262.79 3737331.95 0.16870 399282.79 3737331.95 0.17010
399302.79 3737331.95 0.17246 399322.79 3737331.95 0.17455
399342.79 3737331.95 0.17616 399362.79 3737331.95 0.17781
399382.79 3737331.95 0.17899 399402.79 3737331.95 0.18097
399422.79 3737331.95 0.18348 399442.79 3737331.95 0.18558
399462.79 3737331.95 0.18755 399482.79 3737331.95 0.18955
399502.79 3737331.95 0.19157 399522.79 3737331.95 0.19360
399542.79 3737331.95 0.19564 399562.79 3737331.95 0.19767
399582.79 3737331.95 0.19969 399602.79 3737331.95 0.20145
399622.79 3737331.95 0.20363 399642.79 3737331.95 0.20555
399662.79 3737331.95 0.20740 399682.79 3737331.95 0.20918
399702.79 3737331.95 0.21088 399722.79 3737331.95 0.21249
399742.79 3737331.95 0.21399 399762.79 3737331.95 0.21539
399782.79 3737331.95 0.21670 399802.79 3737331.95 0.21789
399822.79 3737331.95 0.21896 399842.79 3737331.95 0.21994
399862.79 3737331.95 0.22080 399882.79 3737331.95 0.22158
399902.79 3737331.95 0.22175 399922.79 3737331.95 0.22264
399942.79 3737331.95 0.22261 399962.79 3737331.95 0.22290
399982.79 3737331.95 0.22401 400002.79 3737331.95 0.22531
400022.79 3737331.95 0.22534 400042.79 3737331.95 0.22654
400062.79 3737331.95 0.22740 400082.79 3737331.95 0.22823
400102.79 3737331.95 0.22915 400122.79 3737331.95 0.23015
400142.79 3737331.95 0.23123 400162.79 3737331.95 0.23237
400182.79 3737331.95 0.23356 398682.79 3737351.95 0.13730

```
         398702.79    3737351.95        0.13829                      398722.79
3737351.95        0.13948
         398742.79    3737351.95        0.14034                      398762.79
3737351.95        0.14115
         398782.79    3737351.95        0.14201                      398802.79
3737351.95        0.14287
         398822.79    3737351.95        0.14330                      398842.79
3737351.95        0.14419
         398862.79    3737351.95        0.14491                      398882.79
3737351.95        0.14589
         398902.79    3737351.95        0.14647                      398922.79
3737351.95        0.14728
         398942.79    3737351.95        0.14818                      398962.79
3737351.95        0.14988
         398982.79    3737351.95        0.15117                      399002.79
3737351.95        0.15225
         399022.79    3737351.95        0.15300                      399042.79
3737351.95        0.15421
         399062.79    3737351.95        0.15579                      399082.79
3737351.95        0.15673
♠ *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        10:15:03

                                  PAGE 136
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     STCK1       ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                         X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         399102.79    3737351.95        0.15800                      399122.79
3737351.95        0.15903
         399142.79    3737351.95        0.15977                      399162.79
3737351.95        0.16094
         399182.79    3737351.95        0.16238                      399202.79
3737351.95        0.16380
         399222.79    3737351.95        0.16599                      399242.79
3737351.95        0.16703
```

399262.79 3737351.95 0.16828 399282.79
3737351.95 0.17031
399302.79 3737351.95 0.17167 399322.79
3737351.95 0.17348
399342.79 3737351.95 0.17544 399362.79
3737351.95 0.17678
399382.79 3737351.95 0.17845 399402.79
3737351.95 0.18035
399422.79 3737351.95 0.18229 399442.79
3737351.95 0.18462
399462.79 3737351.95 0.18713 399482.79
3737351.95 0.18910
399502.79 3737351.95 0.19109 399522.79
3737351.95 0.19308
399542.79 3737351.95 0.19507 399562.79
3737351.95 0.19705
399582.79 3737351.95 0.19901 399602.79
3737351.95 0.20095
399622.79 3737351.95 0.20284 399642.79
3737351.95 0.20467
399662.79 3737351.95 0.20645 399682.79
3737351.95 0.20806
399702.79 3737351.95 0.20976 399722.79
3737351.95 0.21128
399742.79 3737351.95 0.21270 399762.79
3737351.95 0.21401
399782.79 3737351.95 0.21522 399802.79
3737351.95 0.21632
399822.79 3737351.95 0.21731 399842.79
3737351.95 0.21819
399862.79 3737351.95 0.21898 399882.79
3737351.95 0.21905
399902.79 3737351.95 0.21871 399922.79
3737351.95 0.22015
399942.79 3737351.95 0.22073 399962.79
3737351.95 0.22081
399982.79 3737351.95 0.22155 400002.79
3737351.95 0.22257
400022.79 3737351.95 0.22288 400042.79
3737351.95 0.22335
400062.79 3737351.95 0.22473 400082.79
3737351.95 0.22504
400102.79 3737351.95 0.22617 400122.79
3737351.95 0.22718
400142.79 3737351.95 0.22792 400162.79
3737351.95 0.22878
400182.79 3737351.95 0.22996 398682.79
3737371.95 0.13678
398702.79 3737371.95 0.13793 398722.79
3737371.95 0.13870

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         398742.79    3737371.95        0.13974                       398762.79
3737371.95        0.14066
         398782.79    3737371.95        0.14153                       398802.79
3737371.95        0.14241
         398822.79    3737371.95        0.14330                       398842.79
3737371.95        0.14396
         398862.79    3737371.95        0.14442                       398882.79
3737371.95        0.14563
         398902.79    3737371.95        0.14646                       398922.79
3737371.95        0.14714
         398942.79    3737371.95        0.14796                       398962.79
3737371.95        0.14965
         398982.79    3737371.95        0.15066                       399002.79
3737371.95        0.15177
         399022.79    3737371.95        0.15237                       399042.79
3737371.95        0.15417
         399062.79    3737371.95        0.15536                       399082.79
3737371.95        0.15654
         399102.79    3737371.95        0.15748                       399122.79
3737371.95        0.15845
         399142.79    3737371.95        0.15918                       399162.79
3737371.95        0.16064
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                                   ***        10:15:03

                                              PAGE 137
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                  *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
                                  INCLUDING SOURCE(S):     STCK1       ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                              ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                          X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         399182.79    3737371.95        0.16213                       399202.79
3737371.95        0.16390
         399222.79    3737371.95        0.16548                       399242.79
3737371.95        0.16646
         399262.79    3737371.95        0.16838                       399282.79
3737371.95        0.17010
```

399302.79 3737371.95 0.17171 399322.79
3737371.95 0.17332
399342.79 3737371.95 0.17454 399362.79
3737371.95 0.17623
399382.79 3737371.95 0.17799 399402.79
3737371.95 0.17985
399422.79 3737371.95 0.18173 399442.79
3737371.95 0.18475
399462.79 3737371.95 0.18667 399482.79
3737371.95 0.18862
399502.79 3737371.95 0.19057 399522.79
3737371.95 0.19253
399542.79 3737371.95 0.19447 399562.79
3737371.95 0.19640
399582.79 3737371.95 0.19830 399602.79
3737371.95 0.20017
399622.79 3737371.95 0.20200 399642.79
3737371.95 0.20376
399662.79 3737371.95 0.20546 399682.79
3737371.95 0.20708
399702.79 3737371.95 0.20852 399722.79
3737371.95 0.21005
399742.79 3737371.95 0.21137 399762.79
3737371.95 0.21260
399782.79 3737371.95 0.21372 399802.79
3737371.95 0.21474
399822.79 3737371.95 0.21564 399842.79
3737371.95 0.21644
399862.79 3737371.95 0.21716 399882.79
3737371.95 0.21693
399902.79 3737371.95 0.21684 399922.79
3737371.95 0.21761
399942.79 3737371.95 0.21797 399962.79
3737371.95 0.21846
399982.79 3737371.95 0.21950 400002.79
3737371.95 0.21996
400022.79 3737371.95 0.22060 400042.79
3737371.95 0.22120
400062.79 3737371.95 0.22138 400082.79
3737371.95 0.22258
400102.79 3737371.95 0.22296 400122.79
3737371.95 0.22422
400142.79 3737371.95 0.22460 400162.79
3737371.95 0.22547
400182.79 3737371.95 0.22629 398682.79
3737391.95 0.13642
398702.79 3737391.95 0.13745 398722.79
3737391.95 0.13831
398742.79 3737391.95 0.13923 398762.79
3737391.95 0.14011

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         398782.79    3737391.95        0.14097                      398802.79
3737391.95        0.14185
         398822.79    3737391.95        0.14274                      398842.79
3737391.95        0.14364
         398862.79    3737391.95        0.14377                      398882.79
3737391.95        0.14471
         398902.79    3737391.95        0.14579                      398922.79
3737391.95        0.14713
         398942.79    3737391.95        0.14788                      398962.79
3737391.95        0.14903
         398982.79    3737391.95        0.15018                      399002.79
3737391.95        0.15137
         399022.79    3737391.95        0.15212                      399042.79
3737391.95        0.15372
         399062.79    3737391.95        0.15482                      399082.79
3737391.95        0.15606
         399102.79    3737391.95        0.15719                      399122.79
3737391.95        0.15766
         399142.79    3737391.95        0.15890                      399162.79
3737391.95        0.16025
         399182.79    3737391.95        0.16182                      399202.79
3737391.95        0.16365
         399222.79    3737391.95        0.16484                      399242.79
3737391.95        0.16623
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        10:15:03

                                  PAGE 138
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     STCK1       ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                      X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
         399262.79    3737391.95        0.16852                      399282.79
3737391.95        0.17012
         399302.79    3737391.95        0.17161                      399322.79
3737391.95        0.17315
```

399342.79 3737391.95 0.17414 399362.79
3737391.95 0.17576
399382.79 3737391.95 0.17748 399402.79
3737391.95 0.17935
399422.79 3737391.95 0.18175 399442.79
3737391.95 0.18429
399462.79 3737391.95 0.18619 399482.79
3737391.95 0.18811
399502.79 3737391.95 0.19002 399522.79
3737391.95 0.19194
399542.79 3737391.95 0.19383 399562.79
3737391.95 0.19571
399582.79 3737391.95 0.19756 399602.79
3737391.95 0.19936
399622.79 3737391.95 0.20112 399642.79
3737391.95 0.20277
399662.79 3737391.95 0.20395 399682.79
3737391.95 0.20575
399702.79 3737391.95 0.20720 399722.79
3737391.95 0.20877
399742.79 3737391.95 0.21002 399762.79
3737391.95 0.21117
399782.79 3737391.95 0.21221 399802.79
3737391.95 0.21314
399822.79 3737391.95 0.21396 399842.79
3737391.95 0.21469
399862.79 3737391.95 0.21391 399882.79
3737391.95 0.21433
399902.79 3737391.95 0.21468 399922.79
3737391.95 0.21511
399942.79 3737391.95 0.21571 399962.79
3737391.95 0.21618
399982.79 3737391.95 0.21733 400002.79
3737391.95 0.21812
400022.79 3737391.95 0.21816 400042.79
3737391.95 0.21818
400062.79 3737391.95 0.21900 400082.79
3737391.95 0.21994
400102.79 3737391.95 0.22020 400122.79
3737391.95 0.22123
400142.79 3737391.95 0.22182 400162.79
3737391.95 0.22204
400182.79 3737391.95 0.22243 398682.79
3737411.95 0.13593
398702.79 3737411.95 0.13669 398722.79
3737411.95 0.13785
398742.79 3737411.95 0.13869 398762.79
3737411.95 0.13955
398782.79 3737411.95 0.14041 398802.79
3737411.95 0.14129

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         398822.79    3737411.95        0.14212                      398842.79
3737411.95        0.14249
         398862.79    3737411.95        0.14326                      398882.79
3737411.95        0.14410
         398902.79    3737411.95        0.14508                      398922.79
3737411.95        0.14609
         398942.79    3737411.95        0.14743                      398962.79
3737411.95        0.14866
         398982.79    3737411.95        0.14950                      399002.79
3737411.95        0.15070
         399022.79    3737411.95        0.15162                      399042.79
3737411.95        0.15299
         399062.79    3737411.95        0.15420                      399082.79
3737411.95        0.15559
         399102.79    3737411.95        0.15627                      399122.79
3737411.95        0.15729
         399142.79    3737411.95        0.15864                      399162.79
3737411.95        0.16005
         399182.79    3737411.95        0.16181                      399202.79
3737411.95        0.16290
         399222.79    3737411.95        0.16439                      399242.79
3737411.95        0.16654
         399262.79    3737411.95        0.16812                      399282.79
3737411.95        0.16972
         399302.79    3737411.95        0.17136                      399322.79
3737411.95        0.17230
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                      ***        10:15:03

                                 PAGE 139
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     STCK1       ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
         399342.79    3737411.95        0.17383                      399362.79
3737411.95        0.17546
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399382.79 3737411.95 0.17711 399402.79
3737411.95 0.17884
399422.79 3737411.95 0.18196 399442.79
3737411.95 0.18381
399462.79 3737411.95 0.18568 399482.79
3737411.95 0.18756
399502.79 3737411.95 0.18944 399522.79
3737411.95 0.19131
399542.79 3737411.95 0.19316 399562.79
3737411.95 0.19499
399582.79 3737411.95 0.19678 399602.79
3737411.95 0.19852
399622.79 3737411.95 0.20021 399642.79
3737411.95 0.20183
399662.79 3737411.95 0.20311 399682.79
3737411.95 0.20431
399702.79 3737411.95 0.20581 399722.79
3737411.95 0.20744
399742.79 3737411.95 0.20865 399762.79
3737411.95 0.20971
399782.79 3737411.95 0.21068 399802.79
3737411.95 0.21153
399822.79 3737411.95 0.21227 399842.79
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399862.79 3737411.95 0.21214 399882.79
3737411.95 0.21267
399902.79 3737411.95 0.21300 399922.79
3737411.95 0.21311
399942.79 3737411.95 0.21409 399962.79
3737411.95 0.21477
399982.79 3737411.95 0.21566 400002.79
3737411.95 0.21610
400022.79 3737411.95 0.21633 400042.79
3737411.95 0.21560
400062.79 3737411.95 0.21662 400082.79
3737411.95 0.21707
400102.79 3737411.95 0.21728 400122.79
3737411.95 0.21855
400142.79 3737411.95 0.21943 400162.79
3737411.95 0.21901
400182.79 3737411.95 0.21942 398682.79
3737431.95 0.13472
398702.79 3737431.95 0.13572 398722.79
3737431.95 0.13719
398742.79 3737431.95 0.13807 398762.79
3737431.95 0.13899
398782.79 3737431.95 0.13985 398802.79
3737431.95 0.14073
398822.79 3737431.95 0.14131 398842.79
3737431.95 0.14196

```
         398862.79    3737431.95        0.14277                        398882.79
3737431.95        0.14366
         398902.79    3737431.95        0.14513                        398922.79
3737431.95        0.14586
         398942.79    3737431.95        0.14642                        398962.79
3737431.95        0.14777
         398982.79    3737431.95        0.14899                        399002.79
3737431.95        0.14971
         399022.79    3737431.95        0.15101                        399042.79
3737431.95        0.15246
         399062.79    3737431.95        0.15361                        399082.79
3737431.95        0.15512
         399102.79    3737431.95        0.15586                        399122.79
3737431.95        0.15697
         399142.79    3737431.95        0.15835                        399162.79
3737431.95        0.16002
         399182.79    3737431.95        0.16152                        399202.79
3737431.95        0.16254
         399222.79    3737431.95        0.16425                        399242.79
3737431.95        0.16616
         399262.79    3737431.95        0.16769                        399282.79
3737431.95        0.16927
         399302.79    3737431.95        0.17096                        399322.79
3737431.95        0.17193
         399342.79    3737431.95        0.17340                        399362.79
3737431.95        0.17507
         399382.79    3737431.95        0.17671                        399402.79
3737431.95        0.17909
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        10:15:03

                                  PAGE 140
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
                                  INCLUDING SOURCE(S):     STCK1       ,

                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
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399422.79 3737431.95 0.18148 399442.79 3737431.95 0.18331
399462.79 3737431.95 0.18515 399482.79 3737431.95 0.18699
399502.79 3737431.95 0.18883 399522.79 3737431.95 0.19065
399542.79 3737431.95 0.19245 399562.79 3737431.95 0.19423
399582.79 3737431.95 0.19596 399602.79 3737431.95 0.19764
399622.79 3737431.95 0.19926 399642.79 3737431.95 0.20047
399662.79 3737431.95 0.20190 399682.79 3737431.95 0.20286
399702.79 3737431.95 0.20415 399722.79 3737431.95 0.20530
399742.79 3737431.95 0.20713 399762.79 3737431.95 0.20825
399782.79 3737431.95 0.20913 399802.79 3737431.95 0.20990
399822.79 3737431.95 0.21058 399842.79 3737431.95 0.21116
399862.79 3737431.95 0.21166 399882.79 3737431.95 0.21140
399902.79 3737431.95 0.21102 399922.79 3737431.95 0.21104
399942.79 3737431.95 0.21222 399962.79 3737431.95 0.21299
399982.79 3737431.95 0.21358 400002.79 3737431.95 0.21387
400022.79 3737431.95 0.21318 400042.79 3737431.95 0.21315
400062.79 3737431.95 0.21366 400082.79 3737431.95 0.21414
400102.79 3737431.95 0.21469 400122.79 3737431.95 0.21561
400142.79 3737431.95 0.21646 400162.79 3737431.95 0.21647
400182.79 3737431.95 0.21657 398682.79 3737451.95 0.13406
398702.79 3737451.95 0.13501 398722.79 3737451.95 0.13623
398742.79 3737451.95 0.13738 398762.79 3737451.95 0.13834
398782.79 3737451.95 0.13929 398802.79 3737451.95 0.14017
398822.79 3737451.95 0.14106 398842.79 3737451.95 0.14156
398862.79 3737451.95 0.14273 398882.79 3737451.95 0.14350

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         398902.79    3737451.95        0.14453                       398922.79
3737451.95        0.14509
         398942.79    3737451.95        0.14633                       398962.79
3737451.95        0.14701
         398982.79    3737451.95        0.14786                       399002.79
3737451.95        0.14898
         399022.79    3737451.95        0.15039                       399042.79
3737451.95        0.15191
         399062.79    3737451.95        0.15302                       399082.79
3737451.95        0.15440
         399102.79    3737451.95        0.15565                       399122.79
3737451.95        0.15700
         399142.79    3737451.95        0.15818                       399162.79
3737451.95        0.15989
         399182.79    3737451.95        0.16090                       399202.79
3737451.95        0.16226
         399222.79    3737451.95        0.16422                       399242.79
3737451.95        0.16575
         399262.79    3737451.95        0.16731                       399282.79
3737451.95        0.16891
         399302.79    3737451.95        0.17055                       399322.79
3737451.95        0.17199
         399342.79    3737451.95        0.17324                       399362.79
3737451.95        0.17473
         399382.79    3737451.95        0.17679                       399402.79
3737451.95        0.17918
         399422.79    3737451.95        0.18097                       399442.79
3737451.95        0.18278
         399462.79    3737451.95        0.18459                       399482.79
3737451.95        0.18639
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                                   ***        10:15:03

                                              PAGE 141
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                  *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
                                  INCLUDING SOURCE(S):     STCK1       ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                              ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                          X-COORD (M)
Y-COORD (M)        CONC
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 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - -
         399502.79    3737451.95        0.18819                            399522.79
3737451.95        0.18997
         399542.79    3737451.95        0.19171                            399562.79
3737451.95        0.19343
         399582.79    3737451.95        0.19510                            399602.79
3737451.95        0.19672
         399622.79    3737451.95        0.19827                            399642.79
3737451.95        0.19942
         399662.79    3737451.95        0.20070                            399682.79
3737451.95        0.20192
         399702.79    3737451.95        0.20344                            399722.79
3737451.95        0.20418
         399742.79    3737451.95        0.20511                            399762.79
3737451.95        0.20615
         399782.79    3737451.95        0.20756                            399802.79
3737451.95        0.20827
         399822.79    3737451.95        0.20839                            399842.79
3737451.95        0.20891
         399862.79    3737451.95        0.20912                            399882.79
3737451.95        0.21020
         399902.79    3737451.95        0.21019                            399922.79
3737451.95        0.20956
         399942.79    3737451.95        0.21040                            399962.79
3737451.95        0.21122
         399982.79    3737451.95        0.21143                            400002.79
3737451.95        0.21103
         400022.79    3737451.95        0.21035                            400042.79
3737451.95        0.21121
         400062.79    3737451.95        0.21175                            400082.79
3737451.95        0.21209
         400102.79    3737451.95        0.21237                            400122.79
3737451.95        0.21288
         400142.79    3737451.95        0.21312                            400162.79
3737451.95        0.21305
         400182.79    3737451.95        0.21309                            398682.79
3737471.95        0.13344
         398702.79    3737471.95        0.13434                            398722.79
3737471.95        0.13523
         398742.79    3737471.95        0.13690                            398762.79
3737471.95        0.13788
         398782.79    3737471.95        0.13874                            398802.79
3737471.95        0.13962
         398822.79    3737471.95        0.14051                            398842.79
3737471.95        0.14142
         398862.79    3737471.95        0.14234                            398882.79
3737471.95        0.14310
         398902.79    3737471.95        0.14374                            398922.79
3737471.95        0.14483
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         398942.79    3737471.95        0.14588                        398962.79
3737471.95        0.14694
         398982.79    3737471.95        0.14773                        399002.79
3737471.95        0.14839
         399022.79    3737471.95        0.14961                        399042.79
3737471.95        0.15121
         399062.79    3737471.95        0.15238                        399082.79
3737471.95        0.15360
         399102.79    3737471.95        0.15492                        399122.79
3737471.95        0.15628
         399142.79    3737471.95        0.15758                        399162.79
3737471.95        0.15892
         399182.79    3737471.95        0.16040                        399202.79
3737471.95        0.16212
         399222.79    3737471.95        0.16378                        399242.79
3737471.95        0.16533
         399262.79    3737471.95        0.16689                        399282.79
3737471.95        0.16849
         399302.79    3737471.95        0.17012                        399322.79
3737471.95        0.17178
         399342.79    3737471.95        0.17327                        399362.79
3737471.95        0.17465
         399382.79    3737471.95        0.17681                        399402.79
3737471.95        0.17868
         399422.79    3737471.95        0.18045                        399442.79
3737471.95        0.18222
         399462.79    3737471.95        0.18399                        399482.79
3737471.95        0.18576
         399502.79    3737471.95        0.18752                        399522.79
3737471.95        0.18924
         399542.79    3737471.95        0.19094                        399562.79
3737471.95        0.19257
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        10:15:03

                                  PAGE 142
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     STCK1       ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **
```

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
399582.79	3737471.95	0.19418	399602.79	3737471.95	0.19577
399622.79	3737471.95	0.19726	399642.79	3737471.95	0.19864
399662.79	3737471.95	0.19993	399682.79	3737471.95	0.20088
399702.79	3737471.95	0.20178	399722.79	3737471.95	0.20324
399742.79	3737471.95	0.20441	399762.79	3737471.95	0.20525
399782.79	3737471.95	0.20598	399802.79	3737471.95	0.20663
399822.79	3737471.95	0.20700	399842.79	3737471.95	0.20685
399862.79	3737471.95	0.20722	399882.79	3737471.95	0.20711
399902.79	3737471.95	0.20817	399922.79	3737471.95	0.20878
399942.79	3737471.95	0.20892	399962.79	3737471.95	0.20914
399982.79	3737471.95	0.20931	400002.79	3737471.95	0.20831
400022.79	3737471.95	0.20883	400042.79	3737471.95	0.20867
400062.79	3737471.95	0.20989	400082.79	3737471.95	0.21027
400102.79	3737471.95	0.21048	400122.79	3737471.95	0.21055
400142.79	3737471.95	0.20932	400162.79	3737471.95	0.20958
400182.79	3737471.95	0.21008	398682.79	3737491.95	0.13290
398702.79	3737491.95	0.13373	398722.79	3737491.95	0.13461
398742.79	3737491.95	0.13642	398762.79	3737491.95	0.13730
398782.79	3737491.95	0.13818	398802.79	3737491.95	0.13906
398822.79	3737491.95	0.13996	398842.79	3737491.95	0.14087
398862.79	3737491.95	0.14180	398882.79	3737491.95	0.14244
398902.79	3737491.95	0.14328	398922.79	3737491.95	0.14439
398942.79	3737491.95	0.14514	398962.79	3737491.95	0.14608

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         398982.79    3737491.95        0.14744                      399002.79
3737491.95        0.14854
         399022.79    3737491.95        0.14924                      399042.79
3737491.95        0.15033
         399062.79    3737491.95        0.15156                      399082.79
3737491.95        0.15265
         399102.79    3737491.95        0.15399                      399122.79
3737491.95        0.15542
         399142.79    3737491.95        0.15687                      399162.79
3737491.95        0.15831
         399182.79    3737491.95        0.15981                      399202.79
3737491.95        0.16142
         399222.79    3737491.95        0.16308                      399242.79
3737491.95        0.16478
         399262.79    3737491.95        0.16639                      399282.79
3737491.95        0.16806
         399302.79    3737491.95        0.16968                      399322.79
3737491.95        0.17125
         399342.79    3737491.95        0.17301                      399362.79
3737491.95        0.17468
         399382.79    3737491.95        0.17631                      399402.79
3737491.95        0.17816
         399422.79    3737491.95        0.17990                      399442.79
3737491.95        0.18164
         399462.79    3737491.95        0.18338                      399482.79
3737491.95        0.18511
         399502.79    3737491.95        0.18681                      399522.79
3737491.95        0.18850
         399542.79    3737491.95        0.18995                      399562.79
3737491.95        0.19149
         399582.79    3737491.95        0.19304                      399602.79
3737491.95        0.19457
         399622.79    3737491.95        0.19622                      399642.79
3737491.95        0.19758
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                        ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        10:15:03

                                  PAGE 143
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     STCK1       ,

                                            *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                         ** CONC OF PM_10    IN MICROGRAMS/M**3
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**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
399662.79	3737491.95	0.19884	399682.79	3737491.95	0.20002
399702.79	3737491.95	0.20093	399722.79	3737491.95	0.20186
399742.79	3737491.95	0.20295	399762.79	3737491.95	0.20372
399782.79	3737491.95	0.20440	399802.79	3737491.95	0.20498
399822.79	3737491.95	0.20547	399842.79	3737491.95	0.20587
399862.79	3737491.95	0.20512	399882.79	3737491.95	0.20538
399902.79	3737491.95	0.20541	399922.79	3737491.95	0.20557
399942.79	3737491.95	0.20695	399962.79	3737491.95	0.20708
399982.79	3737491.95	0.20647	400002.79	3737491.95	0.20666
400022.79	3737491.95	0.20641	400042.79	3737491.95	0.20697
400062.79	3737491.95	0.20803	400082.79	3737491.95	0.20835
400102.79	3737491.95	0.20873	400122.79	3737491.95	0.20860
400142.79	3737491.95	0.20628	400162.79	3737491.95	0.20650
400182.79	3737491.95	0.20746	398682.79	3737511.95	0.13261
398702.79	3737511.95	0.13326	398722.79	3737511.95	0.13412
398742.79	3737511.95	0.13581	398762.79	3737511.95	0.13675
398782.79	3737511.95	0.13763	398802.79	3737511.95	0.13852
398822.79	3737511.95	0.13941	398842.79	3737511.95	0.14033
398862.79	3737511.95	0.14127	398882.79	3737511.95	0.14186
398902.79	3737511.95	0.14295	398922.79	3737511.95	0.14380
398942.79	3737511.95	0.14456	398962.79	3737511.95	0.14553
398982.79	3737511.95	0.14705	399002.79	3737511.95	0.14810

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         399022.79    3737511.95        0.14898                      399042.79
3737511.95        0.15060
         399062.79    3737511.95        0.15168                      399082.79
3737511.95        0.15240
         399102.79    3737511.95        0.15364                      399122.79
3737511.95        0.15533
         399142.79    3737511.95        0.15686                      399162.79
3737511.95        0.15807
         399182.79    3737511.95        0.15962                      399202.79
3737511.95        0.16134
         399222.79    3737511.95        0.16295                      399242.79
3737511.95        0.16447
         399262.79    3737511.95        0.16603                      399282.79
3737511.95        0.16745
         399302.79    3737511.95        0.16893                      399322.79
3737511.95        0.17054
         399342.79    3737511.95        0.17223                      399362.79
3737511.95        0.17385
         399382.79    3737511.95        0.17545                      399402.79
3737511.95        0.17724
         399422.79    3737511.95        0.17874                      399442.79
3737511.95        0.18039
         399462.79    3737511.95        0.18214                      399482.79
3737511.95        0.18406
         399502.79    3737511.95        0.18578                      399522.79
3737511.95        0.18772
         399542.79    3737511.95        0.18932                      399562.79
3737511.95        0.19065
         399582.79    3737511.95        0.19195                      399602.79
3737511.95        0.19350
         399622.79    3737511.95        0.19509                      399642.79
3737511.95        0.19644
         399662.79    3737511.95        0.19764                      399682.79
3737511.95        0.19871
         399702.79    3737511.95        0.19947                      399722.79
3737511.95        0.20026
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                      ***        10:15:03

                                   PAGE 144
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     STCK1       ,

                                            *** DISCRETE CARTESIAN RECEPTOR POINTS
***
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** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
399742.79	3737511.95	0.20149	399762.79	3737511.95	0.20220
399782.79	3737511.95	0.20281	399802.79	3737511.95	0.20333
399822.79	3737511.95	0.20376	399842.79	3737511.95	0.20411
399862.79	3737511.95	0.20382	399882.79	3737511.95	0.20361
399902.79	3737511.95	0.20385	399922.79	3737511.95	0.20474
399942.79	3737511.95	0.20496	399962.79	3737511.95	0.20505
399982.79	3737511.95	0.20514	400002.79	3737511.95	0.20526
400022.79	3737511.95	0.20461	400042.79	3737511.95	0.20557
400062.79	3737511.95	0.20579	400082.79	3737511.95	0.20607
400102.79	3737511.95	0.20640	400122.79	3737511.95	0.20644
400142.79	3737511.95	0.20387	400162.79	3737511.95	0.20427
400182.79	3737511.95	0.20501	398682.79	3737531.95	0.13217
398702.79	3737531.95	0.13281	398722.79	3737531.95	0.13363
398742.79	3737531.95	0.13528	398762.79	3737531.95	0.13617
398782.79	3737531.95	0.13709	398802.79	3737531.95	0.13779
398822.79	3737531.95	0.13878	398842.79	3737531.95	0.13980
398862.79	3737531.95	0.14057	398882.79	3737531.95	0.14134
398902.79	3737531.95	0.14240	398922.79	3737531.95	0.14305
398942.79	3737531.95	0.14392	398962.79	3737531.95	0.14500
398982.79	3737531.95	0.14652	399002.79	3737531.95	0.14783
399022.79	3737531.95	0.14864	399042.79	3737531.95	0.15012

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         399062.79    3737531.95        0.15141                        399082.79
3737531.95        0.15231
         399102.79    3737531.95        0.15329                        399122.79
3737531.95        0.15491
         399142.79    3737531.95        0.15658                        399162.79
3737531.95        0.15778
         399182.79    3737531.95        0.15945                        399202.79
3737531.95        0.16103
         399222.79    3737531.95        0.16251                        399242.79
3737531.95        0.16403
         399262.79    3737531.95        0.16558                        399282.79
3737531.95        0.16716
         399302.79    3737531.95        0.16876                        399322.79
3737531.95        0.17039
         399342.79    3737531.95        0.17203                        399362.79
3737531.95        0.17329
         399382.79    3737531.95        0.17485                        399402.79
3737531.95        0.17705
         399422.79    3737531.95        0.17821                        399442.79
3737531.95        0.17956
         399462.79    3737531.95        0.18198                        399482.79
3737531.95        0.18371
         399502.79    3737531.95        0.18533                        399522.79
3737531.95        0.18652
         399542.79    3737531.95        0.18840                        399562.79
3737531.95        0.18958
         399582.79    3737531.95        0.19140                        399602.79
3737531.95        0.19258
         399622.79    3737531.95        0.19391                        399642.79
3737531.95        0.19529
         399662.79    3737531.95        0.19642                        399682.79
3737531.95        0.19747
         399702.79    3737531.95        0.19841                        399722.79
3737531.95        0.19926
         399742.79    3737531.95        0.20001                        399762.79
3737531.95        0.20067
         399782.79    3737531.95        0.20122                        399802.79
3737531.95        0.20168
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                        ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        10:15:03

                                  PAGE 145
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL        ***
                                    INCLUDING SOURCE(S):     STCK1       ,
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
399822.79	3737531.95	0.20205	399842.79	3737531.95	0.20160
399862.79	3737531.95	0.20186	399882.79	3737531.95	0.20182
399902.79	3737531.95	0.20226	399922.79	3737531.95	0.20294
399942.79	3737531.95	0.20299	399962.79	3737531.95	0.20304
399982.79	3737531.95	0.20310	400002.79	3737531.95	0.20317
400022.79	3737531.95	0.20327	400042.79	3737531.95	0.20341
400062.79	3737531.95	0.20359	400082.79	3737531.95	0.20383
400102.79	3737531.95	0.20412	400122.79	3737531.95	0.20374
400142.79	3737531.95	0.20178	400162.79	3737531.95	0.20190
400182.79	3737531.95	0.20258	398682.79	3737551.95	0.13160
398702.79	3737551.95	0.13235	398722.79	3737551.95	0.13318
398742.79	3737551.95	0.13476	398762.79	3737551.95	0.13559
398782.79	3737551.95	0.13653	398802.79	3737551.95	0.13710
398822.79	3737551.95	0.13794	398842.79	3737551.95	0.13896
398862.79	3737551.95	0.14001	398882.79	3737551.95	0.14083
398902.79	3737551.95	0.14149	398922.79	3737551.95	0.14244
398942.79	3737551.95	0.14334	398962.79	3737551.95	0.14431
398982.79	3737551.95	0.14610	399002.79	3737551.95	0.14727
399022.79	3737551.95	0.14811	399042.79	3737551.95	0.14953
399062.79	3737551.95	0.15087	399082.79	3737551.95	0.15188

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         399102.79    3737551.95        0.15307                      399122.79
3737551.95        0.15461
         399142.79    3737551.95        0.15632                      399162.79
3737551.95        0.15750
         399182.79    3737551.95        0.15913                      399202.79
3737551.95        0.16059
         399222.79    3737551.95        0.16207                      399242.79
3737551.95        0.16358
         399262.79    3737551.95        0.16513                      399282.79
3737551.95        0.16669
         399302.79    3737551.95        0.16814                      399322.79
3737551.95        0.16990
         399342.79    3737551.95        0.17152                      399362.79
3737551.95        0.17244
         399382.79    3737551.95        0.17385                      399402.79
3737551.95        0.17620
         399422.79    3737551.95        0.17771                      399442.79
3737551.95        0.17901
         399462.79    3737551.95        0.18135                      399482.79
3737551.95        0.18298
         399502.79    3737551.95        0.18456                      399522.79
3737551.95        0.18609
         399542.79    3737551.95        0.18731                      399562.79
3737551.95        0.18865
         399582.79    3737551.95        0.19040                      399602.79
3737551.95        0.19172
         399622.79    3737551.95        0.19295                      399642.79
3737551.95        0.19411
         399662.79    3737551.95        0.19519                      399682.79
3737551.95        0.19616
         399702.79    3737551.95        0.19705                      399722.79
3737551.95        0.19783
         399742.79    3737551.95        0.19853                      399762.79
3737551.95        0.19912
         399782.79    3737551.95        0.19954                      399802.79
3737551.95        0.19958
         399822.79    3737551.95        0.20010                      399842.79
3737551.95        0.19920
         399862.79    3737551.95        0.19942                      399882.79
3737551.95        0.19923
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                                   ***        10:15:03

                                    PAGE 146
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                   *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
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INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
399902.79	3737551.95	0.20098	399922.79	3737551.95	0.20102
399942.79	3737551.95	0.20105	399962.79	3737551.95	0.20106
399982.79	3737551.95	0.20001	400002.79	3737551.95	0.20016
400022.79	3737551.95	0.19987	400042.79	3737551.95	0.20029
400062.79	3737551.95	0.20068	400082.79	3737551.95	0.20084
400102.79	3737551.95	0.20046	400122.79	3737551.95	0.20066
400142.79	3737551.95	0.19937	400162.79	3737551.95	0.19967
400182.79	3737551.95	0.20020	398315.82	3734124.08	0.05942
398509.09	3734124.08	0.05950	398702.36	3734124.08	0.05994
398895.63	3734124.08	0.06059	399088.90	3734124.08	0.06186
399282.17	3734124.08	0.06401	399475.44	3734124.08	0.06449
399668.71	3734124.08	0.06625	399861.98	3734124.08	0.06922
400055.25	3734124.08	0.07418	400248.52	3734124.08	0.08151
400441.79	3734124.08	0.09198	400635.06	3734124.08	0.10562
400828.33	3734124.08	0.12535	401021.60	3734124.08	0.14923
401214.87	3734124.08	0.17714	401408.14	3734124.08	0.21150
401601.41	3734124.08	0.24811	401794.68	3734124.08	0.28366
401987.95	3734124.08	0.31643	402181.22	3734124.08	0.33794
398315.82	3734299.90	0.06446	398509.09	3734299.90	0.06296

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         398702.36    3734299.90        0.06266                        398895.63
3734299.90        0.06266
         399088.90    3734299.90        0.06344                        399282.17
3734299.90        0.06651
         399475.44    3734299.90        0.06823                        399668.71
3734299.90        0.07000
         399861.98    3734299.90        0.07262                        400055.25
3734299.90        0.07835
         400248.52    3734299.90        0.08679                        400441.79
3734299.90        0.09940
         400635.06    3734299.90        0.11738                        400828.33
3734299.90        0.14090
         401021.60    3734299.90        0.17263                        401214.87
3734299.90        0.20789
         401408.14    3734299.90        0.25122                        401601.41
3734299.90        0.29737
         401794.68    3734299.90        0.33842                        401987.95
3734299.90        0.36878
         402181.22    3734299.90        0.38182                        398315.82
3734475.72        0.06923
         398509.09    3734475.72        0.06705                        398702.36
3734475.72        0.06461
         398895.63    3734475.72        0.06377                        399088.90
3734475.72        0.06301
         399282.17    3734475.72        0.06869                        399475.44
3734475.72        0.07278
         399668.71    3734475.72        0.07345                        399861.98
3734475.72        0.07581
         400055.25    3734475.72        0.08175                        400248.52
3734475.72        0.09173
         400441.79    3734475.72        0.10692                        400635.06
3734475.72        0.13259
         400828.33    3734475.72        0.15644                        401021.60
3734475.72        0.19932
         401214.87    3734475.72        0.24918                        401408.14
3734475.72        0.30640
         401601.41    3734475.72        0.36135                        401794.68
3734475.72        0.40103
         401987.95    3734475.72        0.41973                        402181.22
3734475.72        0.41856
         398315.82    3734651.54        0.07179                        398509.09
3734651.54        0.07003
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        10:15:03

                                  PAGE 147
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
398702.36	3734651.54	0.06798	398895.63	3734651.54	0.06646
399088.90	3734651.54	0.06589	399282.17	3734651.54	0.07303
399475.44	3734651.54	0.07748	399668.71	3734651.54	0.07933
399861.98	3734651.54	0.08270	400055.25	3734651.54	0.08899
400248.52	3734651.54	0.09781	400441.79	3734651.54	0.11448
400635.06	3734651.54	0.14231	400828.33	3734651.54	0.18097
401021.60	3734651.54	0.24063	401214.87	3734651.54	0.31047
401408.14	3734651.54	0.38221	401601.41	3734651.54	0.43815
401794.68	3734651.54	0.46783	401987.95	3734651.54	0.46654
402181.22	3734651.54	0.44460	398315.82	3734827.36	0.07716
398509.09	3734827.36	0.07505	398702.36	3734827.36	0.07416
398895.63	3734827.36	0.07386	399088.90	3734827.36	0.07334
399282.17	3734827.36	0.07441	399475.44	3734827.36	0.07954
399668.71	3734827.36	0.08235	399861.98	3734827.36	0.08318
400055.25	3734827.36	0.09199	400248.52	3734827.36	0.10393
400441.79	3734827.36	0.12496	400635.06	3734827.36	0.16153
400828.33	3734827.36	0.22142	401021.60	3734827.36	0.30144
401214.87	3734827.36	0.39568	401408.14	3734827.36	0.47459

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         401601.41    3734827.36        0.51781                    401794.68
3734827.36        0.52114
         401987.95    3734827.36        0.49194                    402181.22
3734827.36        0.44542
         398315.82    3735003.18        0.09837                    398509.09
3735003.18        0.09805
         398702.36    3735003.18        0.09646                    398895.63
3735003.18        0.08977
         399088.90    3735003.18        0.08205                    399282.17
3735003.18        0.08049
         399475.44    3735003.18        0.08241                    399668.71
3735003.18        0.08902
         399861.98    3735003.18        0.08821                    400055.25
3735003.18        0.09572
         400248.52    3735003.18        0.11148                    400441.79
3735003.18        0.13459
         400635.06    3735003.18        0.18495                    400828.33
3735003.18        0.27463
         401021.60    3735003.18        0.39581                    401214.87
3735003.18        0.50976
         401408.14    3735003.18        0.57633                    401601.41
3735003.18        0.58301
         401794.68    3735003.18        0.54515                    401987.95
3735003.18        0.48417
         402181.22    3735003.18        0.41770                    398315.82
3735179.00        0.10915
         398509.09    3735179.00        0.11149                    398702.36
3735179.00        0.10998
         398895.63    3735179.00        0.10961                    399088.90
3735179.00        0.09333
         399282.17    3735179.00        0.09064                    399475.44
3735179.00        0.08853
         399668.71    3735179.00        0.09162                    399861.98
3735179.00        0.09083
         400055.25    3735179.00        0.09826                    400248.52
3735179.00        0.11591
         400441.79    3735179.00        0.15035                    400635.06
3735179.00        0.22611
         400828.33    3735179.00        0.36471                    401021.60
3735179.00        0.53854
         401214.87    3735179.00        0.64142                    401408.14
3735179.00        0.65629
         401601.41    3735179.00        0.60457                    401794.68
3735179.00        0.52296
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                        ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                      ***        10:15:03
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
401987.95	3735179.00	0.43835	402181.22	3735179.00	0.36302
398315.82	3735354.82	0.12035	398509.09	3735354.82	0.12269
398702.36	3735354.82	0.12530	398895.63	3735354.82	0.12211
399088.90	3735354.82	0.12363	399282.17	3735354.82	0.10700
399475.44	3735354.82	0.10043	399668.71	3735354.82	0.09680
399861.98	3735354.82	0.09597	400055.25	3735354.82	0.10435
400248.52	3735354.82	0.12596	400441.79	3735354.82	0.17686
400635.06	3735354.82	0.30328	400828.33	3735354.82	0.52052
401021.60	3735354.82	0.70451	401214.87	3735354.82	0.73978
401408.14	3735354.82	0.66879	401601.41	3735354.82	0.55698
401794.68	3735354.82	0.45084	401987.95	3735354.82	0.36267
402181.22	3735354.82	0.29287	398315.82	3735530.64	0.12805
398509.09	3735530.64	0.13374	398702.36	3735530.64	0.13157
398895.63	3735530.64	0.13963	399088.90	3735530.64	0.14381
399282.17	3735530.64	0.13704	399475.44	3735530.64	0.11990
399668.71	3735530.64	0.11275	399861.98	3735530.64	0.11009
400055.25	3735530.64	0.12149	400248.52	3735530.64	0.15827

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         400441.79    3735530.64        0.23757                    400635.06
3735530.64        0.48044
         400828.33    3735530.64        0.77998                    401021.60
3735530.64        0.84435
         401214.87    3735530.64        0.72352                    401408.14
3735530.64        0.57493
         401601.41    3735530.64        0.44567                    401794.68
3735530.64        0.34720
         401987.95    3735530.64        0.27554                    402181.22
3735530.64        0.22378
         398315.82    3735706.46        0.12834                    398509.09
3735706.46        0.13229
         398702.36    3735706.46        0.13964                    398895.63
3735706.46        0.14972
         399088.90    3735706.46        0.15903                    399282.17
3735706.46        0.15736
         399475.44    3735706.46        0.14718                    399668.71
3735706.46        0.14248
         399861.98    3735706.46        0.14751                    400055.25
3735706.46        0.18063
         400248.52    3735706.46        0.26178                    400441.79
3735706.46        0.45073
         400635.06    3735706.46        0.95301                    400828.33
3735706.46        0.98548
         401021.60    3735706.46        0.75819                    401214.87
3735706.46        0.55457
         401408.14    3735706.46        0.41018                    401601.41
3735706.46        0.31282
         401794.68    3735706.46        0.24537                    401987.95
3735706.46        0.19948
         402181.22    3735706.46        0.16670                    398315.82
3735882.28        0.13160
         398509.09    3735882.28        0.14155                    398702.36
3735882.28        0.15064
         398895.63    3735882.28        0.15096                    399088.90
3735882.28        0.16613
         399282.17    3735882.28        0.16747                    399475.44
3735882.28        0.16720
         399668.71    3735882.28        0.17794                    399861.98
3735882.28        0.22484
         400055.25    3735882.28        0.35904                    400248.52
3735882.28        0.69944
         400441.79    3735882.28        1.65770                    400635.06
3735882.28        1.26070
         400828.33    3735882.28        0.73129                    401021.60
3735882.28        0.47368
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                                   ***        10:15:03
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
401214.87	3735882.28	0.34191	401408.14	3735882.28	0.26415
401601.41	3735882.28	0.21116	401794.68	3735882.28	0.17627
401987.95	3735882.28	0.15058	402181.22	3735882.28	0.13010
398315.82	3736058.10	0.12633	398509.09	3736058.10	0.13873
398702.36	3736058.10	0.14770	398895.63	3736058.10	0.15339
399088.90	3736058.10	0.16068	399282.17	3736058.10	0.16120
399475.44	3736058.10	0.16389	399668.71	3736058.10	0.18366
399861.98	3736058.10	0.26425	400248.52	3736058.10	23.12134
400441.79	3736058.10	1.52404	400635.06	3736058.10	0.56611
400828.33	3736058.10	0.35258	401021.60	3736058.10	0.26267
401214.87	3736058.10	0.21372	401408.14	3736058.10	0.18093
401601.41	3736058.10	0.15636	401794.68	3736058.10	0.13655
401987.95	3736058.10	0.11996	402181.22	3736058.10	0.10720
398315.82	3736233.92	0.12357	398509.09	3736233.92	0.13565
398702.36	3736233.92	0.14329	398895.63	3736233.92	0.14982
399088.90	3736233.92	0.15554	399282.17	3736233.92	0.15846

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         399475.44    3736233.92        0.16109                    399668.71
3736233.92        0.17505
         399861.98    3736233.92        0.23568                    400248.52
3736233.92        3.42427
         400441.79    3736233.92        0.53726                    400635.06
3736233.92        0.24396
         400828.33    3736233.92        0.18711                    401021.60
3736233.92        0.15861
         401214.87    3736233.92        0.14859                    401408.14
3736233.92        0.13500
         401601.41    3736233.92        0.12121                    401794.68
3736233.92        0.10795
         401987.95    3736233.92        0.10006                    402181.22
3736233.92        0.08992
         398315.82    3736409.74        0.12166                    398509.09
3736409.74        0.13373
         398702.36    3736409.74        0.14247                    398895.63
3736409.74        0.14963
         399088.90    3736409.74        0.15889                    399282.17
3736409.74        0.16378
         399475.44    3736409.74        0.16865                    399668.71
3736409.74        0.18137
         399861.98    3736409.74        0.22030                    400055.25
3736409.74        0.40373
         400248.52    3736409.74        1.10549                    400441.79
3736409.74        0.60602
         400635.06    3736409.74        0.20809                    400828.33
3736409.74        0.13539
         401021.60    3736409.74        0.11519                    401214.87
3736409.74        0.11202
         401408.14    3736409.74        0.10592                    401601.41
3736409.74        0.09815
         401794.68    3736409.74        0.08980                    401987.95
3736409.74        0.08484
         402181.22    3736409.74        0.07775                    398315.82
3736585.56        0.12092
         398509.09    3736585.56        0.13347                    398702.36
3736585.56        0.14314
         398895.63    3736585.56        0.15197                    399088.90
3736585.56        0.16241
         399282.17    3736585.56        0.17308                    399475.44
3736585.56        0.18006
         399668.71    3736585.56        0.18914                    399861.98
3736585.56        0.22393
         400055.25    3736585.56        0.34901                    400248.52
3736585.56        0.61822
         400441.79    3736585.56        0.51350                    400635.06
3736585.56        0.22254
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
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*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
400828.33	3736585.56	0.12882	401021.60	3736585.56	0.09998
401214.87	3736585.56	0.09410	401408.14	3736585.56	0.08803
401601.41	3736585.56	0.08243	401794.68	3736585.56	0.07666
401987.95	3736585.56	0.06970	402181.22	3736585.56	0.06884
398315.82	3736761.38	0.12110	398509.09	3736761.38	0.13426
398702.36	3736761.38	0.14478	398895.63	3736761.38	0.15473
399088.90	3736761.38	0.16673	399282.17	3736761.38	0.17779
399475.44	3736761.38	0.18636	399668.71	3736761.38	0.19869
399861.98	3736761.38	0.23197	400055.25	3736761.38	0.30293
400248.52	3736761.38	0.42517	400441.79	3736761.38	0.40797
400635.06	3736761.38	0.23221	400828.33	3736761.38	0.13438
401021.60	3736761.38	0.09746	401214.87	3736761.38	0.08411
401408.14	3736761.38	0.07866	401601.41	3736761.38	0.07282
401794.68	3736761.38	0.06801	401987.95	3736761.38	0.06504
402181.22	3736761.38	0.06141	398315.82	3736937.20	0.12149

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         398509.09    3736937.20        0.13439                    398702.36
3736937.20        0.14531
         398895.63    3736937.20        0.15557                    399088.90
3736937.20        0.16671
         399282.17    3736937.20        0.17739                    399475.44
3736937.20        0.19053
         399668.71    3736937.20        0.21128                    399861.98
3736937.20        0.24225
         400055.25    3736937.20        0.27616                    400248.52
3736937.20        0.33328
         400441.79    3736937.20        0.33242                    400635.06
3736937.20        0.22905
         400828.33    3736937.20        0.14140                    401021.60
3736937.20        0.09931
         401214.87    3736937.20        0.08340                    401408.14
3736937.20        0.07350
         401601.41    3736937.20        0.06724                    401794.68
3736937.20        0.06228
         401987.95    3736937.20        0.05921                    402181.22
3736937.20        0.05596
         398315.82    3737113.02        0.12168                    398509.09
3737113.02        0.13383
         398702.36    3737113.02        0.14172                    398895.63
3737113.02        0.15271
         399088.90    3737113.02        0.16275                    399282.17
3737113.02        0.17446
         399475.44    3737113.02        0.19134                    399668.71
3737113.02        0.21476
         399861.98    3737113.02        0.23733                    400055.25
3737113.02        0.25473
         400248.52    3737113.02        0.28120                    400441.79
3737113.02        0.28073
         400635.06    3737113.02        0.21771                    400828.33
3737113.02        0.14708
         401021.60    3737113.02        0.10475                    401214.87
3737113.02        0.08314
         401408.14    3737113.02        0.07130                    401601.41
3737113.02        0.06407
         401794.68    3737113.02        0.05889                    401987.95
3737113.02        0.05514
         402181.22    3737113.02        0.05185                    398315.82
3737288.84        0.12135
         398509.09    3737288.84        0.13007                    398702.36
3737288.84        0.13918
         398895.63    3737288.84        0.14763                    399088.90
3737288.84        0.15765
         399282.17    3737288.84        0.17139                    399475.44
3737288.84        0.18966
         399668.71    3737288.84        0.20988                    399861.98
3737288.84        0.22464
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↑ *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                        ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        10:15:03

                                  PAGE 151
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
                                  INCLUDING SOURCE(S):     STCK1       ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
         400055.25    3737288.84        0.23269                       400248.52
3737288.84        0.24464
         400441.79    3737288.84        0.24323                       400635.06
3737288.84        0.20236
         400828.33    3737288.84        0.14650                       401021.60
3737288.84        0.10603
         401214.87    3737288.84        0.08330                       401408.14
3737288.84        0.07014
         401601.41    3737288.84        0.06181                       401794.68
3737288.84        0.05617
         401987.95    3737288.84        0.05199                       402181.22
3737288.84        0.04871
         398315.82    3737464.66        0.12012                       398509.09
3737464.66        0.12703
         398702.36    3737464.66        0.13456                       398895.63
3737464.66        0.14383
         399088.90    3737464.66        0.15448                       399282.17
3737464.66        0.16859
         399475.44    3737464.66        0.18534                       399668.71
3737464.66        0.20040
         399861.98    3737464.66        0.20765                       400055.25
3737464.66        0.21015
         400248.52    3737464.66        0.21334                       400441.79
3737464.66        0.21038
         400635.06    3737464.66        0.18655                       400828.33
3737464.66        0.14384
         401021.60    3737464.66        0.10692                       401214.87
3737464.66        0.08378
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         401408.14    3737464.66        0.06966                    401601.41
3737464.66        0.06064
         401794.68    3737464.66        0.05441                    401987.95
3737464.66        0.04986
         402181.22    3737464.66        0.04640                    398315.82
3737640.48        0.11672
         398509.09    3737640.48        0.12339                    398702.36
3737640.48        0.13045
         398895.63    3737640.48        0.13769                    399088.90
3737640.48        0.15075
         399282.17    3737640.48        0.16364                    399475.44
3737640.48        0.17126
         399668.71    3737640.48        0.18303                    399861.98
3737640.48        0.18803
         400055.25    3737640.48        0.18815                    400248.52
3737640.48        0.19042
         400441.79    3737640.48        0.18750                    400635.06
3737640.48        0.16917
         400828.33    3737640.48        0.13781                    401021.60
3737640.48        0.10548
         401214.87    3737640.48        0.08237                    401408.14
3737640.48        0.06803
         401601.41    3737640.48        0.05899                    401794.68
3737640.48        0.05232
         401987.95    3737640.48        0.04742                    402181.22
3737640.48        0.04382
         400183.47    3736330.86        1.09682                    400058.04
3736334.23        0.43941
         400034.41    3736331.98        0.38687                    399992.23
3736340.98        0.31940
         399987.17    3736329.73        0.31545                    399960.17
3736333.11        0.28668
         399923.61    3736330.86        0.25805                    399928.11
3736303.86        0.26725
         399924.73    3736261.11        0.27524                    399970.85
3736250.42        0.32019
         399966.92    3736222.30        0.32521                    399984.92
3736222.86        0.34674
         399993.35    3736034.43        0.45222                    400179.53
3736035.55        1.57073
         400190.22    3736034.99        1.59589

 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        10:15:03

                                  PAGE 152
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
398682.79	3736051.95	5.00729	(12012723)	398702.79	3736051.95	5.09016	(12012723)
398722.79	3736051.95	5.17529	(12012723)	398742.79	3736051.95	5.26273	(12012723)
398762.79	3736051.95	5.35105	(12012723)	398782.79	3736051.95	5.44282	(12012723)
398802.79	3736051.95	5.53385	(12012723)	398822.79	3736051.95	5.62441	(12012723)
398842.79	3736051.95	5.71661	(12012723)	398862.79	3736051.95	5.81732	(12012723)
398882.79	3736051.95	5.68762	(15012423)	398902.79	3736051.95	6.00906	(12012723)
398922.79	3736051.95	6.11504	(12012723)	398942.79	3736051.95	6.19710	(12012723)
398962.79	3736051.95	6.30753	(15012423)	398982.79	3736051.95	6.45954	(15012423)
399002.79	3736051.95	6.59268	(15012423)	399022.79	3736051.95	6.73031	(15012423)
399042.79	3736051.95	6.87659	(15012423)	399062.79	3736051.95	7.03140	(15012423)
399082.79	3736051.95	7.18511	(15012423)	399102.79	3736051.95	7.34429	(15012423)
399122.79	3736051.95	7.50734	(15012423)	399142.79	3736051.95	7.67622	(15012423)
399162.79	3736051.95	7.84814	(15012423)	399182.79	3736051.95	8.02937	(15012423)
399202.79	3736051.95	8.22290	(15012423)	399222.79	3736051.95	8.41809	(15012423)
399242.79	3736051.95	8.60701	(15012423)	399262.79	3736051.95	8.81133	(15012423)
399282.79	3736051.95	9.01625	(15012423)	399302.79	3736051.95	9.25997	(15012424)
399322.79	3736051.95	9.53345	(15012424)	399342.79	3736051.95	9.80948	(15012424)
399362.79	3736051.95	10.10364	(15012424)	399382.79	3736051.95	10.40955	(15012424)

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        399402.79   3736051.95       10.73486  (15012424)                399422.79
3736051.95       11.07372  (15012424)
        399442.79   3736051.95       11.43643  (15012424)                399462.79
3736051.95       11.81330  (15012424)
        399482.79   3736051.95       12.20652  (15012424)                399502.79
3736051.95       12.62065  (15012424)
        399522.79   3736051.95       13.06986  (15012424)                399542.79
3736051.95       13.54930  (15012424)
        399562.79   3736051.95       14.03510  (15012424)                399582.79
3736051.95       14.55324  (15012424)
        399602.79   3736051.95       15.10964  (15012424)                399622.79
3736051.95       15.68999  (15012424)
        399642.79   3736051.95       16.31099  (15012424)                399662.79
3736051.95       16.97660  (15012424)
        399682.79   3736051.95       17.67161  (15012424)                399702.79
3736051.95       18.39557  (15012424)
        399722.79   3736051.95       19.14256  (15012424)                399742.79
3736051.95       19.92440  (15012424)
        399762.79   3736051.95       20.77458  (15012424)                399782.79
3736051.95       21.69564  (15012424)
        399802.79   3736051.95       22.56348  (15012424)                399822.79
3736051.95       23.62248  (14120219)
        399842.79   3736051.95       25.04931  (14120219)                399862.79
3736051.95       26.49782  (14120219)
        399882.79   3736051.95       28.49893  (13100421)                399902.79
3736051.95       30.97167  (13100421)
        399922.79   3736051.95       33.78763  (13100421)                399942.79
3736051.95       36.94059  (13100421)
        399962.79   3736051.95       40.57404  (13100421)                399982.79
3736051.95       44.14651  (13100421)
        398682.79   3736071.95        4.98571  (15012423)                398702.79
3736071.95        5.07187  (15012423)
        398722.79   3736071.95        5.16052  (15012423)                398742.79
3736071.95        5.25173  (15012423)
        398762.79   3736071.95        5.34562  (15012423)                398782.79
3736071.95        5.44230  (15012423)
        398802.79   3736071.95        5.54186  (15012423)                398822.79
3736071.95        5.64301  (15012423)
        398842.79   3736071.95        5.72698  (15012423)                398862.79
3736071.95        5.83072  (15012423)
        398882.79   3736071.95        5.74595  (15012423)                398902.79
3736071.95        6.04910  (15012423)
        398922.79   3736071.95        6.17215  (15012423)                398942.79
3736071.95        6.25196  (15012423)
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                                   ***        10:15:03
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
398962.79	3736071.95	6.35483	(15012423)	398982.79	3736071.95	6.54628	(15012423)
399002.79	3736071.95	6.68274	(15012423)	399022.79	3736071.95	6.82160	(15012423)
399042.79	3736071.95	6.96908	(15012423)	399062.79	3736071.95	7.12096	(15012423)
399082.79	3736071.95	7.27655	(15012423)	399102.79	3736071.95	7.44032	(15012423)
399122.79	3736071.95	7.60639	(15012423)	399142.79	3736071.95	7.77940	(15012423)
399162.79	3736071.95	7.94343	(15012423)	399182.79	3736071.95	8.13191	(15012423)
399202.79	3736071.95	8.31524	(15012423)	399222.79	3736071.95	8.51202	(15012423)
399242.79	3736071.95	8.67992	(15012423)	399262.79	3736071.95	8.90959	(15012423)
399282.79	3736071.95	9.12569	(15012423)	399302.79	3736071.95	9.33817	(15012423)
399322.79	3736071.95	9.59154	(15012423)	399342.79	3736071.95	9.85106	(15012423)
399362.79	3736071.95	10.12919	(15012424)	399382.79	3736071.95	10.42658	(15012424)
399402.79	3736071.95	10.71905	(15012424)	399422.79	3736071.95	11.04840	(15012424)
399442.79	3736071.95	11.41028	(15012424)	399462.79	3736071.95	11.79313	(15012424)
399482.79	3736071.95	12.18749	(15012424)	399502.79	3736071.95	12.59892	(15012424)
399522.79	3736071.95	13.05984	(15012424)	399542.79	3736071.95	13.57718	(15012424)
399562.79	3736071.95	14.05575	(15012424)	399582.79	3736071.95	14.57303	(15012424)
399602.79	3736071.95	15.11963	(15012424)	399622.79	3736071.95	15.70053	(15012424)

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        399642.79   3736071.95       16.31192  (15012424)                399662.79
3736071.95       16.95868  (15012424)
        399682.79   3736071.95       17.65069  (15012424)                399702.79
3736071.95       18.34968  (15012424)
        399722.79   3736071.95       19.10401  (15012424)                399742.79
3736071.95       19.85346  (15012424)
        399762.79   3736071.95       20.66955  (15012424)                399782.79
3736071.95       21.77582  (12021518)
        399802.79   3736071.95       23.08647  (12021518)                399822.79
3736071.95       24.46964  (12021518)
        399842.79   3736071.95       25.97835  (12021518)                399862.79
3736071.95       27.52542  (12021518)
        399882.79   3736071.95       29.33375  (12021518)                399902.79
3736071.95       31.30870  (12021518)
        399922.79   3736071.95       33.33152  (12021518)                399942.79
3736071.95       35.56211  (12021518)
        399962.79   3736071.95       37.88926  (12021518)                399982.79
3736071.95       39.92115  (12021518)
        398682.79   3736091.95        5.00628  (15012423)                398702.79
3736091.95        5.09250  (15012423)
        398722.79   3736091.95        5.18117  (15012423)                398742.79
3736091.95        5.27240  (15012423)
        398762.79   3736091.95        5.36628  (15012423)                398782.79
3736091.95        5.46293  (15012423)
        398802.79   3736091.95        5.56244  (15012423)                398822.79
3736091.95        5.66050  (15012423)
        398842.79   3736091.95        5.73668  (15012423)                398862.79
3736091.95        5.83312  (15012423)
        398882.79   3736091.95        5.76723  (15012423)                398902.79
3736091.95        6.05252  (15012423)
        398922.79   3736091.95        6.16655  (15012423)                398942.79
3736091.95        6.26551  (15012423)
        398962.79   3736091.95        6.35566  (15012423)                398982.79
3736091.95        6.56221  (15012423)
        399002.79   3736091.95        6.69366  (15012423)                399022.79
3736091.95        6.83462  (15012423)
        399042.79   3736091.95        6.98355  (15012423)                399062.79
3736091.95        7.13942  (15012423)
        399082.79   3736091.95        7.28904  (15012423)                399102.79
3736091.95        7.44896  (15012423)
        399122.79   3736091.95        7.61356  (15012423)                399142.79
3736091.95        7.78882  (15012423)
        399162.79   3736091.95        7.94605  (15012423)                399182.79
3736091.95        8.11843  (15012423)
        399202.79   3736091.95        8.29980  (15012423)                399222.79
3736091.95        8.48732  (15012423)
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                                   ***        10:15:03
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
399242.79	3736091.95	8.68998	(15012423)	399262.79	3736091.95	8.92891	(15012423)
399282.79	3736091.95	9.14565	(15012423)	399302.79	3736091.95	9.37327	(15012423)
399322.79	3736091.95	9.59128	(15012423)	399342.79	3736091.95	9.84520	(15012423)
399362.79	3736091.95	10.10442	(15012423)	399382.79	3736091.95	10.37573	(15012423)
399402.79	3736091.95	10.62098	(15012424)	399422.79	3736091.95	10.92654	(15012424)
399442.79	3736091.95	11.28543	(15012424)	399462.79	3736091.95	11.66828	(15012424)
399482.79	3736091.95	12.02139	(15012424)	399502.79	3736091.95	12.40158	(15012424)
399522.79	3736091.95	12.80788	(15012424)	399542.79	3736091.95	13.26525	(15012424)
399562.79	3736091.95	13.75980	(15012424)	399582.79	3736091.95	14.27027	(15012424)
399602.79	3736091.95	14.76035	(15012424)	399622.79	3736091.95	15.27925	(15012424)
399642.79	3736091.95	15.86119	(15012424)	399662.79	3736091.95	16.50358	(12021518)
399682.79	3736091.95	17.33492	(12021518)	399702.79	3736091.95	18.23445	(12021518)
399722.79	3736091.95	19.19937	(12021518)	399742.79	3736091.95	20.24580	(12021518)
399762.79	3736091.95	21.35307	(12021518)	399782.79	3736091.95	22.38663	(12021518)
399802.79	3736091.95	23.67805	(12021518)	399822.79	3736091.95	25.15189	(12021518)
399842.79	3736091.95	26.63360	(12021518)	399862.79	3736091.95	28.21523	(12021518)

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        399882.79   3736091.95       29.82209  (12021518)                399902.79
3736091.95       31.45365  (12021518)
        399922.79   3736091.95       33.15966  (12021518)                399942.79
3736091.95       34.96761  (12021518)
        399962.79   3736091.95       36.89940  (12021518)                399982.79
3736091.95       38.73313  (12021518)
        398682.79   3736111.95        5.00474  (15012423)                398702.79
3736111.95        5.09014  (15012423)
        398722.79   3736111.95        5.17791  (15012423)                398742.79
3736111.95        5.26815  (15012423)
        398762.79   3736111.95        5.36097  (15012423)                398782.79
3736111.95        5.45648  (15012423)
        398802.79   3736111.95        5.55479  (15012423)                398822.79
3736111.95        5.65599  (15012423)
        398842.79   3736111.95        5.75460  (15012423)                398862.79
3736111.95        5.81973  (15012423)
        398882.79   3736111.95        5.77108  (15012423)                398902.79
3736111.95        6.02835  (15012423)
        398922.79   3736111.95        6.13568  (15012423)                398942.79
3736111.95        6.24191  (15012423)
        398962.79   3736111.95        6.30129  (15012423)                398982.79
3736111.95        6.52939  (15012423)
        399002.79   3736111.95        6.65053  (15012423)                399022.79
3736111.95        6.80012  (15012423)
        399042.79   3736111.95        6.94652  (15012423)                399062.79
3736111.95        7.10613  (15012423)
        399082.79   3736111.95        7.24375  (15012423)                399102.79
3736111.95        7.38606  (15012423)
        399122.79   3736111.95        7.55201  (15012423)                399142.79
3736111.95        7.73649  (15012423)
        399162.79   3736111.95        7.88876  (15012423)                399182.79
3736111.95        8.04600  (15012423)
        399202.79   3736111.95        8.22540  (15012423)                399222.79
3736111.95        8.40726  (15012423)
        399242.79   3736111.95        8.60244  (15012423)                399262.79
3736111.95        8.82646  (15012423)
        399282.79   3736111.95        9.05555  (15012423)                399302.79
3736111.95        9.27405  (15012423)
        399322.79   3736111.95        9.48082  (15012423)                399342.79
3736111.95        9.72189  (15012423)
        399362.79   3736111.95        9.95202  (15012423)                399382.79
3736111.95       10.22091  (15012423)
        399402.79   3736111.95       10.44499  (15012423)                399422.79
3736111.95       10.69942  (15012423)
        399442.79   3736111.95       11.03194  (15012423)                399462.79
3736111.95       11.35862  (15012424)
        399482.79   3736111.95       11.71034  (15012424)                399502.79
3736111.95       12.04836  (15012424)
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     STCK1       ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                         ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
        399522.79   3736111.95       12.38275  (15012424)                399542.79
3736111.95       12.83789  (12021518)
        399562.79   3736111.95       13.39855  (12021518)                399582.79
3736111.95       14.01028  (12021518)
        399602.79   3736111.95       14.65033  (12021518)                399622.79
3736111.95       15.29812  (12021518)
        399642.79   3736111.95       15.98401  (12021518)                399662.79
3736111.95       16.72000  (12021518)
        399682.79   3736111.95       17.55843  (12021518)                399702.79
3736111.95       18.42634  (12021518)
        399722.79   3736111.95       19.35945  (12021518)                399742.79
3736111.95       20.36313  (12021518)
        399762.79   3736111.95       21.33876  (12021518)                399782.79
3736111.95       22.30935  (12021518)
        399802.79   3736111.95       23.41707  (12021518)                399822.79
3736111.95       24.66244  (12021518)
        399842.79   3736111.95       26.01595  (12021518)                399862.79
3736111.95       27.32707  (12021518)
        399882.79   3736111.95       28.54863  (12021518)                399902.79
3736111.95       30.21320  (12021518)
        399922.79   3736111.95       31.49744  (12021518)                399942.79
3736111.95       32.39688  (12021518)
        399962.79   3736111.95       33.40139  (12021518)                399982.79
3736111.95       34.28088  (12021518)
        398682.79   3736131.95        4.98115  (15012423)                398702.79
3736131.95        5.06486  (15012423)
        398722.79   3736131.95        5.15083  (15012423)                398742.79
3736131.95        5.25528  (15012423)
        398762.79   3736131.95        5.33815  (15012423)                398782.79
3736131.95        5.42878  (15012423)
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        398802.79   3736131.95        5.51910  (15012423)                398822.79
3736131.95        5.62776  (15012423)
        398842.79   3736131.95        5.71941  (15012423)                398862.79
3736131.95        5.77433  (15012423)
        398882.79   3736131.95        5.73508  (15012423)                398902.79
3736131.95        5.97542  (15012423)
        398922.79   3736131.95        6.08926  (15012423)                398942.79
3736131.95        6.20005  (15012423)
        398962.79   3736131.95        6.24172  (15012423)                398982.79
3736131.95        6.39442  (15012423)
        399002.79   3736131.95        6.58626  (15012423)                399022.79
3736131.95        6.73537  (15012423)
        399042.79   3736131.95        6.87366  (15012423)                399062.79
3736131.95        7.01559  (15012423)
        399082.79   3736131.95        7.13595  (15012423)                399102.79
3736131.95        7.27808  (15012423)
        399122.79   3736131.95        7.44190  (15012423)                399142.79
3736131.95        7.62195  (15012423)
        399162.79   3736131.95        7.77706  (15012423)                399182.79
3736131.95        7.93656  (15012423)
        399202.79   3736131.95        8.10607  (15012423)                399222.79
3736131.95        8.28415  (15012423)
        399242.79   3736131.95        8.44366  (15012423)                399262.79
3736131.95        8.66485  (15012423)
        399282.79   3736131.95        8.88035  (15012423)                399302.79
3736131.95        9.05956  (15012423)
        399322.79   3736131.95        9.26005  (15012423)                399342.79
3736131.95        9.49066  (15012423)
        399362.79   3736131.95        9.69701  (15012423)                399382.79
3736131.95        9.93720  (15012423)
        399402.79   3736131.95       10.14568  (15012423)                399422.79
3736131.95       10.41656  (15012423)
        399442.79   3736131.95       10.74579  (12021518)                399462.79
3736131.95       11.13361  (12021518)
        399482.79   3736131.95       11.56218  (12021518)                399502.79
3736131.95       12.00067  (12021518)
        399522.79   3736131.95       12.47548  (12021518)                399542.79
3736131.95       12.93010  (12021518)
        399562.79   3736131.95       13.43361  (12021518)                399582.79
3736131.95       13.98508  (12021518)
        399602.79   3736131.95       14.60468  (12021518)                399622.79
3736131.95       15.23329  (12021518)
        399642.79   3736131.95       15.87502  (12021518)                399662.79
3736131.95       16.57282  (12021518)
        399682.79   3736131.95       17.37158  (12021518)                399702.79
3736131.95       18.14378  (12021518)
        399722.79   3736131.95       18.97029  (12021518)                399742.79
3736131.95       19.82242  (12021518)
        399762.79   3736131.95       20.65287  (12021518)                399782.79
3736131.95       21.55457  (12021518)
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↑ *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                       ***       10:15:03

                                  PAGE 156
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     STCK1       ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
        399802.79   3736131.95       22.39501  (12021518)                399822.79
3736131.95       23.32516  (12021518)
        399842.79   3736131.95       24.29576  (12021518)                399862.79
3736131.95       25.18010  (12021518)
        399882.79   3736131.95       26.16281  (12021518)                399902.79
3736131.95       27.25010  (12021518)
        399922.79   3736131.95       27.96606  (12021518)                399942.79
3736131.95       28.08084  (12021518)
        399962.79   3736131.95       28.15492  (12021518)                399982.79
3736131.95       27.48084  (12021518)
        398682.79   3736151.95        4.90531  (15012423)                398702.79
3736151.95        5.01706  (15012423)
        398722.79   3736151.95        5.10023  (15012423)                398742.79
3736151.95        5.18586  (15012423)
        398762.79   3736151.95        5.27352  (15012423)                398782.79
3736151.95        5.36362  (15012423)
        398802.79   3736151.95        5.45636  (15012423)                398822.79
3736151.95        5.55142  (15012423)
        398842.79   3736151.95        5.64891  (15012423)                398862.79
3736151.95        5.69885  (15012423)
        398882.79   3736151.95        5.64141  (15012423)                398902.79
3736151.95        5.89463  (15012423)
        398922.79   3736151.95        6.01948  (15012423)                398942.79
3736151.95        6.12394  (15012423)
        398962.79   3736151.95        6.23033  (15012423)                398982.79
3736151.95        6.28525  (15012423)
        399002.79   3736151.95        6.36760  (15012423)                399022.79
3736151.95        6.57952  (15012423)
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        399042.79   3736151.95        6.74420  (15012423)                399062.79
3736151.95        6.87404  (15012423)
        399082.79   3736151.95        6.98592  (15012423)                399102.79
3736151.95        7.12824  (15012423)
        399122.79   3736151.95        7.29010  (15012423)                399142.79
3736151.95        7.43796  (15012423)
        399162.79   3736151.95        7.59588  (15012423)                399182.79
3736151.95        7.74644  (15012423)
        399202.79   3736151.95        7.89552  (15012423)                399222.79
3736151.95        8.04910  (15012423)
        399242.79   3736151.95        8.21319  (15012423)                399262.79
3736151.95        8.41082  (15012423)
        399282.79   3736151.95        8.59223  (15012423)                399302.79
3736151.95        8.75567  (15012423)
        399322.79   3736151.95        8.95279  (15012423)                399342.79
3736151.95        9.17601  (15012423)
        399362.79   3736151.95        9.39236  (12021518)                399382.79
3736151.95        9.69832  (12021518)
        399402.79   3736151.95       10.01362  (12021518)                399422.79
3736151.95       10.35694  (12021518)
        399442.79   3736151.95       10.71360  (12021518)                399462.79
3736151.95       11.10978  (12021518)
        399482.79   3736151.95       11.49912  (12021518)                399502.79
3736151.95       11.93731  (12021518)
        399522.79   3736151.95       12.37271  (12021518)                399542.79
3736151.95       12.83750  (12021518)
        399562.79   3736151.95       13.29782  (12021518)                399582.79
3736151.95       13.75547  (12021518)
        399602.79   3736151.95       14.27946  (12021518)                399622.79
3736151.95       14.84469  (12021518)
        399642.79   3736151.95       15.43075  (12021518)                399662.79
3736151.95       16.10355  (12021518)
        399682.79   3736151.95       16.73713  (12021518)                399702.79
3736151.95       17.39984  (12021518)
        399722.79   3736151.95       18.05963  (12021518)                399742.79
3736151.95       18.64980  (12021518)
        399762.79   3736151.95       19.34745  (12021518)                399782.79
3736151.95       20.02119  (12021518)
        399802.79   3736151.95       20.66949  (12021518)                399822.79
3736151.95       21.29696  (12021518)
        399842.79   3736151.95       21.76148  (12021518)                399862.79
3736151.95       22.29323  (12021518)
        399882.79   3736151.95       22.78362  (12021518)                399902.79
3736151.95       23.09928  (12021518)
        399922.79   3736151.95       23.44812  (13112217)                399942.79
3736151.95       23.92434  (13112217)
        399962.79   3736151.95       24.24911  (13112217)                399982.79
3736151.95       23.50183  (13112217)
        398682.79   3736171.95        4.79950  (15012423)                398702.79
3736171.95        4.94749  (15012423)
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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
398762.79	3736171.95	5.19289	(15012423)	398782.79	3736171.95	5.27886	(15012423)
398802.79	3736171.95	5.36298	(15012423)	398822.79	3736171.95	5.45323	(15012423)
398842.79	3736171.95	5.55000	(15012423)	398862.79	3736171.95	5.58918	(15012423)
398882.79	3736171.95	5.55048	(15012423)	398902.79	3736171.95	5.78254	(15012423)
398922.79	3736171.95	5.90201	(15012423)	398942.79	3736171.95	5.99946	(15012423)
398962.79	3736171.95	6.12583	(15012423)	398982.79	3736171.95	6.22743	(15012423)
399002.79	3736171.95	6.29908	(15012423)	399022.79	3736171.95	6.33000	(15012423)
399042.79	3736171.95	6.49605	(15012423)	399062.79	3736171.95	6.67464	(15012423)
399082.79	3736171.95	6.79426	(15012423)	399102.79	3736171.95	6.94103	(15012423)
399122.79	3736171.95	7.07151	(15012423)	399142.79	3736171.95	7.18964	(15012423)
399162.79	3736171.95	7.32960	(15012423)	399182.79	3736171.95	7.48688	(15012423)
399202.79	3736171.95	7.62922	(15012423)	399222.79	3736171.95	7.74649	(15012423)
399242.79	3736171.95	7.91625	(15012423)	399262.79	3736171.95	8.06487	(15012423)

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        399282.79   3736171.95        8.26102  (12021518)                399302.79
3736171.95        8.50615  (12021518)
        399322.79   3736171.95        8.78097  (12021518)                399342.79
3736171.95        9.04856  (12021518)
        399362.79   3736171.95        9.32884  (12021518)                399382.79
3736171.95        9.61997  (12021518)
        399402.79   3736171.95        9.92129  (12021518)                399422.79
3736171.95       10.23282  (12021518)
        399442.79   3736171.95       10.57314  (12021518)                399462.79
3736171.95       10.92259  (12021518)
        399482.79   3736171.95       11.28638  (12021518)                399502.79
3736171.95       11.67843  (12021518)
        399522.79   3736171.95       12.07644  (12021518)                399542.79
3736171.95       12.48554  (12021518)
        399562.79   3736171.95       12.90764  (12021518)                399582.79
3736171.95       13.34343  (12021518)
        399602.79   3736171.95       13.76314  (12021518)                399622.79
3736171.95       14.22042  (12021518)
        399642.79   3736171.95       14.70346  (12021518)                399662.79
3736171.95       15.23372  (12021518)
        399682.79   3736171.95       15.75539  (12021518)                399702.79
3736171.95       16.25735  (12021518)
        399722.79   3736171.95       16.68111  (12021518)                399742.79
3736171.95       17.08601  (12021518)
        399762.79   3736171.95       17.54927  (12021518)                399782.79
3736171.95       18.00072  (12021518)
        399802.79   3736171.95       18.79379  (13112217)                399822.79
3736171.95       19.58521  (13112217)
        399842.79   3736171.95       20.30837  (13112217)                399862.79
3736171.95       21.21577  (13112217)
        399882.79   3736171.95       22.20077  (13112217)                399902.79
3736171.95       22.83997  (13112217)
        399922.79   3736171.95       23.21393  (13112217)                399942.79
3736171.95       23.18025  (13112217)
        399962.79   3736171.95       22.65142  (13112217)                399982.79
3736171.95       21.87853  (12020719)
        398682.79   3736191.95        4.70912  (15012423)                398702.79
3736191.95        4.85715  (15012423)
        398722.79   3736191.95        4.93843  (15012423)                398742.79
3736191.95        5.00997  (15012423)
        398762.79   3736191.95        5.08906  (15012423)                398782.79
3736191.95        5.16997  (15012423)
        398802.79   3736191.95        5.25285  (15012423)                398822.79
3736191.95        5.38045  (15012423)
        398842.79   3736191.95        5.44278  (15012423)                398862.79
3736191.95        5.45317  (15012423)
        398882.79   3736191.95        5.43197  (15012423)                398902.79
3736191.95        5.63995  (15012423)
        398922.79   3736191.95        5.75212  (15012423)                398942.79
3736191.95        5.85269  (15012423)
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        398962.79   3736191.95        5.95757  (15012423)                398982.79
3736191.95        6.04727  (15012423)
        399002.79   3736191.95        6.15891  (15012423)                399022.79
3736191.95        6.23679  (15012423)
↑ *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                        ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                      ***        10:15:03

                                  PAGE 158
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     STCK1       ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
        399042.79   3736191.95        6.27167  (15012423)                399062.79
3736191.95        6.35120  (15012423)
        399082.79   3736191.95        6.54668  (15012423)                399102.79
3736191.95        6.69701  (15012423)
        399122.79   3736191.95        6.81183  (15012423)                399142.79
3736191.95        6.91466  (15012423)
        399162.79   3736191.95        7.02557  (15012423)                399182.79
3736191.95        7.14920  (15012423)
        399202.79   3736191.95        7.33242  (12021518)                399222.79
3736191.95        7.53698  (12021518)
        399242.79   3736191.95        7.74988  (12021518)                399262.79
3736191.95        7.95099  (12021518)
        399282.79   3736191.95        8.16744  (12021518)                399302.79
3736191.95        8.40029  (12021518)
        399322.79   3736191.95        8.65525  (12021518)                399342.79
3736191.95        8.90478  (12021518)
        399362.79   3736191.95        9.16091  (12021518)                399382.79
3736191.95        9.42839  (12021518)
        399402.79   3736191.95        9.70596  (12021518)                399422.79
3736191.95        9.98725  (12021518)
        399442.79   3736191.95       10.28715  (12021518)                399462.79
3736191.95       10.59881  (12021518)
        399482.79   3736191.95       10.92464  (12021518)                399502.79
3736191.95       11.25556  (12021518)
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        399522.79   3736191.95       11.60536  (12021518)                399542.79
3736191.95       11.94962  (12021518)
        399562.79   3736191.95       12.29423  (12021518)                399582.79
3736191.95       12.66904  (12021518)
        399602.79   3736191.95       13.03572  (12021518)                399622.79
3736191.95       13.39066  (12021518)
        399642.79   3736191.95       13.72528  (12021518)                399662.79
3736191.95       14.07539  (12021518)
        399682.79   3736191.95       14.81440  (13112217)                399702.79
3736191.95       15.62532  (13112217)
        399722.79   3736191.95       16.31730  (13112217)                399742.79
3736191.95       16.98730  (13112217)
        399762.79   3736191.95       17.71102  (13112217)                399782.79
3736191.95       18.49129  (13112217)
        399802.79   3736191.95       19.25676  (13112217)                399822.79
3736191.95       19.86349  (13112217)
        399842.79   3736191.95       20.47643  (13112217)                399862.79
3736191.95       21.10433  (13112217)
        399882.79   3736191.95       21.64767  (13112217)                399902.79
3736191.95       21.82820  (13112217)
        399922.79   3736191.95       21.63082  (13112217)                399942.79
3736191.95       21.11905  (12020719)
        399962.79   3736191.95       22.98215  (12020719)                399982.79
3736191.95       24.76382  (12020719)
        398682.79   3736211.95        4.70968  (14112922)                398702.79
3736211.95        4.88633  (14112922)
        398722.79   3736211.95        4.98601  (14112922)                398742.79
3736211.95        5.06302  (14112922)
        398762.79   3736211.95        5.14843  (14112922)                398782.79
3736211.95        5.23217  (14112922)
        398802.79   3736211.95        5.31763  (14112922)                398822.79
3736211.95        5.42106  (14112922)
        398842.79   3736211.95        5.49392  (14112922)                398862.79
3736211.95        5.46496  (14112922)
        398882.79   3736211.95        5.42810  (14112922)                398902.79
3736211.95        5.68156  (14112922)
        398922.79   3736211.95        5.80914  (14112922)                398942.79
3736211.95        5.90905  (14112922)
        398962.79   3736211.95        5.99601  (14112922)                398982.79
3736211.95        6.10455  (14112922)
        399002.79   3736211.95        6.20259  (14112922)                399022.79
3736211.95        6.30426  (14112922)
        399042.79   3736211.95        6.38906  (14112922)                399062.79
3736211.95        6.43235  (14112922)
        399082.79   3736211.95        6.41453  (14112922)                399102.79
3736211.95        6.61159  (14112922)
        399122.79   3736211.95        6.82429  (14112922)                399142.79
3736211.95        6.94568  (14112922)
        399162.79   3736211.95        7.04159  (14112922)                399182.79
3736211.95        7.12370  (14112922)
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
399322.79	3736211.95	8.43242	(12021518)	399342.79	3736211.95	8.66327	(12021518)
399362.79	3736211.95	8.90029	(12021518)	399382.79	3736211.95	9.13608	(12021518)
399402.79	3736211.95	9.38022	(12021518)	399422.79	3736211.95	9.63460	(12021518)
399442.79	3736211.95	9.89001	(12021518)	399462.79	3736211.95	10.15917	(12021518)
399482.79	3736211.95	10.42259	(12021518)	399502.79	3736211.95	10.70797	(12021518)
399522.79	3736211.95	10.98748	(12021518)	399542.79	3736211.95	11.26553	(12021518)
399562.79	3736211.95	11.79257	(13112217)	399582.79	3736211.95	12.35478	(13112217)
399602.79	3736211.95	12.94332	(13112217)	399622.79	3736211.95	13.55746	(13112217)
399642.79	3736211.95	14.19583	(13112217)	399662.79	3736211.95	14.76934	(13112217)
399682.79	3736211.95	15.40034	(13112217)	399702.79	3736211.95	16.05764	(13112217)
399722.79	3736211.95	16.76175	(13112217)	399742.79	3736211.95	17.45827	(13112217)

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        399762.79   3736211.95       18.04411  (13112217)               399782.79
3736211.95       18.56173  (13112217)
        399802.79   3736211.95       19.05988  (13112217)               399822.79
3736211.95       19.47986  (13112217)
        399842.79   3736211.95       19.87055  (13112217)               399862.79
3736211.95       20.13780  (13112217)
        399882.79   3736211.95       20.21108  (13112217)               399902.79
3736211.95       19.94208  (13112217)
        399922.79   3736211.95       21.71596  (12020719)               399942.79
3736211.95       23.58811  (12020719)
        399962.79   3736211.95       24.97704  (12020719)               399982.79
3736211.95       27.76325  (14121123)
        398682.79   3736231.95        4.77739  (14112922)               398702.79
3736231.95        4.95309  (14112922)
        398722.79   3736231.95        5.05266  (14112922)               398742.79
3736231.95        5.13059  (14112922)
        398762.79   3736231.95        5.21269  (14112922)               398782.79
3736231.95        5.29494  (14112922)
        398802.79   3736231.95        5.38060  (14112922)               398822.79
3736231.95        5.48182  (14112922)
        398842.79   3736231.95        5.55121  (14112922)               398862.79
3736231.95        5.51138  (14112922)
        398882.79   3736231.95        5.50065  (14112922)               398902.79
3736231.95        5.73594  (14112922)
        398922.79   3736231.95        5.85980  (14112922)               398942.79
3736231.95        5.93803  (14112922)
        398962.79   3736231.95        6.02363  (14112922)               398982.79
3736231.95        6.12032  (14112922)
        399002.79   3736231.95        6.22267  (14112922)               399022.79
3736231.95        6.33106  (14112922)
        399042.79   3736231.95        6.39536  (14112922)               399062.79
3736231.95        6.52004  (14112922)
        399082.79   3736231.95        6.59564  (14112922)               399102.79
3736231.95        6.55750  (14112922)
        399122.79   3736231.95        6.62984  (14112922)               399142.79
3736231.95        6.87101  (14112922)
        399162.79   3736231.95        7.02483  (14112922)               399182.79
3736231.95        7.08376  (14112922)
        399202.79   3736231.95        7.24132  (14112922)               399222.79
3736231.95        7.36913  (14112922)
        399242.79   3736231.95        7.47796  (14112922)               399262.79
3736231.95        7.60147  (12021518)
        399282.79   3736231.95        7.77978  (12021518)               399302.79
3736231.95        7.96627  (12021518)
        399322.79   3736231.95        8.15338  (12021518)               399342.79
3736231.95        8.34593  (12021518)
        399362.79   3736231.95        8.54910  (12021518)               399382.79
3736231.95        8.75107  (12021518)
        399402.79   3736231.95        8.96457  (12021518)               399422.79
3736231.95        9.18249  (12021518)
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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
399602.79	3736231.95	13.45664	(13112217)	399622.79	3736231.95	14.03303	(13112217)
399642.79	3736231.95	14.62151	(13112217)	399662.79	3736231.95	15.19552	(13112217)
399682.79	3736231.95	15.75894	(13112217)	399702.79	3736231.95	16.22844	(13112217)
399722.79	3736231.95	16.74369	(13112217)	399742.79	3736231.95	17.28860	(13112217)
399762.79	3736231.95	17.80219	(13112217)	399782.79	3736231.95	18.16897	(13112217)
399802.79	3736231.95	18.32854	(13112217)	399822.79	3736231.95	18.53972	(13112217)
399842.79	3736231.95	18.67769	(13112217)	399862.79	3736231.95	18.49836	(13112217)
399882.79	3736231.95	19.88183	(12020719)	399902.79	3736231.95	21.70237	(12020719)
399922.79	3736231.95	23.38824	(12020719)	399942.79	3736231.95	24.90740	(12101804)
399962.79	3736231.95	27.27220	(12101804)	398682.79	3736251.95	4.82341	(14112922)

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        398702.79   3736251.95        5.00727  (14112922)                398722.79
3736251.95        5.09998  (14112922)
        398742.79   3736251.95        5.17321  (14112922)                398762.79
3736251.95        5.25167  (14112922)
        398782.79   3736251.95        5.33147  (14112922)                398802.79
3736251.95        5.37597  (14112922)
        398822.79   3736251.95        5.50411  (14112922)                398842.79
3736251.95        5.57867  (14112922)
        398862.79   3736251.95        5.51633  (14112922)                398882.79
3736251.95        5.54939  (14112922)
        398902.79   3736251.95        5.75803  (14112922)                398922.79
3736251.95        5.87190  (14112922)
        398942.79   3736251.95        5.94714  (14112922)                398962.79
3736251.95        6.02346  (14112922)
        398982.79   3736251.95        6.10807  (14112922)                399002.79
3736251.95        6.19418  (14112922)
        399022.79   3736251.95        6.28398  (14112922)                399042.79
3736251.95        6.39477  (14112922)
        399062.79   3736251.95        6.50257  (14112922)                399082.79
3736251.95        6.59335  (14112922)
        399102.79   3736251.95        6.67138  (14112922)                399122.79
3736251.95        6.67004  (14112922)
        399142.79   3736251.95        6.62868  (14112922)                399162.79
3736251.95        6.83022  (14112922)
        399182.79   3736251.95        6.99842  (14112922)                399202.79
3736251.95        7.12483  (14112922)
        399222.79   3736251.95        7.21640  (14112922)                399242.79
3736251.95        7.32046  (14112922)
        399262.79   3736251.95        7.37634  (14112922)                399282.79
3736251.95        7.48258  (12021518)
        399302.79   3736251.95        7.65551  (12021518)                399322.79
3736251.95        7.81923  (12021518)
        399342.79   3736251.95        8.11771  (13112217)                399362.79
3736251.95        8.44910  (13112217)
        399382.79   3736251.95        8.79332  (13112217)                399402.79
3736251.95        9.16725  (13112217)
        399422.79   3736251.95        9.54849  (13112217)                399442.79
3736251.95        9.96113  (13112217)
        399462.79   3736251.95       10.38767  (13112217)                399482.79
3736251.95       10.82535  (13112217)
        399502.79   3736251.95       11.25251  (13112217)                399522.79
3736251.95       11.72665  (13112217)
        399542.79   3736251.95       12.22178  (13112217)                399562.79
3736251.95       12.69290  (13112217)
        399582.79   3736251.95       13.20112  (13112217)                399602.79
3736251.95       13.72670  (13112217)
        399622.79   3736251.95       14.24286  (13112217)                399642.79
3736251.95       14.73092  (13112217)
        399662.79   3736251.95       15.25700  (13112217)                399682.79
3736251.95       15.71903  (13112217)
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        399702.79   3736251.95       16.13264  (13112217)                399722.79
3736251.95       16.42735  (13112217)
        399742.79   3736251.95       16.72402  (13112217)                399762.79
3736251.95       16.96676  (13112217)
        399782.79   3736251.95       17.06906  (13112217)                399802.79
3736251.95       17.21610  (13112217)
        399822.79   3736251.95       17.27042  (13112217)                399842.79
3736251.95       18.19807  (12020719)
        399862.79   3736251.95       19.74959  (12020719)                399882.79
3736251.95       21.30927  (12020719)
↑ *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                        ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                       ***       10:15:03

                                  PAGE 161
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     STCK1       ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
        399902.79   3736251.95       22.75006  (12020719)                399922.79
3736251.95       24.24664  (12101804)
        399942.79   3736251.95       26.23556  (12101804)                399962.79
3736251.95       28.06082  (14121122)
        398682.79   3736271.95        4.84799  (14112922)                398702.79
3736271.95        5.03416  (14112922)
        398722.79   3736271.95        5.11556  (14112922)                398742.79
3736271.95        5.18977  (14112922)
        398762.79   3736271.95        5.24863  (14112922)                398782.79
3736271.95        5.32514  (14112922)
        398802.79   3736271.95        5.41867  (14112922)                398822.79
3736271.95        5.52409  (14112922)
        398842.79   3736271.95        5.57623  (14112922)                398862.79
3736271.95        5.49700  (14112922)
        398882.79   3736271.95        5.56339  (14112922)                398902.79
3736271.95        5.74693  (14112922)
        398922.79   3736271.95        5.85399  (14112922)                398942.79
3736271.95        5.92316  (14112922)
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        398962.79   3736271.95        5.99097  (14112922)                398982.79
3736271.95        6.06125  (14112922)
        399002.79   3736271.95        6.14046  (14112922)                399022.79
3736271.95        6.21953  (14112922)
        399042.79   3736271.95        6.31514  (14112922)                399062.79
3736271.95        6.41482  (14112922)
        399082.79   3736271.95        6.51394  (14112922)                399102.79
3736271.95        6.58241  (14112922)
        399122.79   3736271.95        6.66434  (14112922)                399142.79
3736271.95        6.67232  (14112922)
        399162.79   3736271.95        6.63954  (14112922)                399182.79
3736271.95        6.68999  (14112922)
        399202.79   3736271.95        6.90008  (14112922)                399222.79
3736271.95        7.01592  (14112922)
        399242.79   3736271.95        7.08784  (14112922)                399262.79
3736271.95        7.28328  (13112217)
        399282.79   3736271.95        7.58082  (13112217)                399302.79
3736271.95        7.89286  (13112217)
        399322.79   3736271.95        8.19109  (13112217)                399342.79
3736271.95        8.50978  (13112217)
        399362.79   3736271.95        8.83296  (13112217)                399382.79
3736271.95        9.17396  (13112217)
        399402.79   3736271.95        9.52949  (13112217)                399422.79
3736271.95        9.90130  (13112217)
        399442.79   3736271.95       10.28310  (13112217)                399462.79
3736271.95       10.69860  (13112217)
        399482.79   3736271.95       11.12295  (13112217)                399502.79
3736271.95       11.53596  (13112217)
        399522.79   3736271.95       11.95717  (13112217)                399542.79
3736271.95       12.43086  (13112217)
        399562.79   3736271.95       12.86459  (13112217)                399582.79
3736271.95       13.30601  (13112217)
        399602.79   3736271.95       13.73512  (13112217)                399622.79
3736271.95       14.18413  (13112217)
        399642.79   3736271.95       14.60334  (13112217)                399662.79
3736271.95       14.97764  (13112217)
        399682.79   3736271.95       15.31480  (13112217)                399702.79
3736271.95       15.59440  (13112217)
        399722.79   3736271.95       15.75009  (13112217)                399742.79
3736271.95       15.90081  (13112217)
        399762.79   3736271.95       15.83663  (13112217)                399782.79
3736271.95       15.80050  (13112217)
        399802.79   3736271.95       16.51630  (12020719)                399822.79
3736271.95       17.99377  (12020719)
        399842.79   3736271.95       19.41963  (12020719)                399862.79
3736271.95       20.72330  (12020719)
        399882.79   3736271.95       21.96967  (12020719)                399902.79
3736271.95       23.25747  (12101804)
        399922.79   3736271.95       24.99340  (12101804)                398682.79
3736291.95        4.85102  (14112922)
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        399262.79   3736291.95        7.61679  (13112217)               399282.79
3736291.95        7.90359  (13112217)
        399302.79   3736291.95        8.19786  (13112217)               399322.79
3736291.95        8.50480  (13112217)
        399342.79   3736291.95        8.81007  (13112217)               399362.79
3736291.95        9.12931  (13112217)
        399382.79   3736291.95        9.46995  (13112217)               399402.79
3736291.95        9.79827  (13112217)
        399422.79   3736291.95       10.14541  (13112217)               399442.79
3736291.95       10.49741  (13112217)
        399462.79   3736291.95       10.86681  (13112217)               399482.79
3736291.95       11.24459  (13112217)
        399502.79   3736291.95       11.64348  (13112217)               399522.79
3736291.95       12.05340  (13112217)
        399542.79   3736291.95       12.43375  (13112217)               399562.79
3736291.95       12.83118  (13112217)
        399582.79   3736291.95       13.19581  (13112217)               399602.79
3736291.95       13.54494  (13112217)
        399622.79   3736291.95       13.86587  (13112217)               399642.79
3736291.95       14.18380  (13112217)
        399662.79   3736291.95       14.40141  (13112217)               399682.79
3736291.95       14.62639  (13112217)
        399702.79   3736291.95       14.69759  (13112217)               399722.79
3736291.95       14.74540  (13112217)
        399742.79   3736291.95       14.65781  (13112217)               399762.79
3736291.95       14.94934  (12020719)
        399782.79   3736291.95       16.30288  (12020719)               399802.79
3736291.95       17.62570  (12020719)
        399822.79   3736291.95       18.82066  (12020719)               399842.79
3736291.95       19.99763  (12020719)
        399862.79   3736291.95       21.00243  (12020719)               399882.79
3736291.95       22.24333  (12101804)
        399902.79   3736291.95       23.67685  (12101804)               399922.79
3736291.95       24.92604  (12101804)
        398682.79   3736311.95        4.83266  (14112922)               398702.79
3736311.95        5.01881  (14112922)
        398722.79   3736311.95        5.08385  (14112922)               398742.79
3736311.95        5.14953  (14112922)
        398762.79   3736311.95        5.21564  (14112922)               398782.79
3736311.95        5.28221  (14112922)
        398802.79   3736311.95        5.30723  (14112922)               398822.79
3736311.95        5.41631  (14112922)
        398842.79   3736311.95        5.48379  (14112922)               398862.79
3736311.95        5.35088  (14112922)
        398882.79   3736311.95        5.49183  (14112922)               398902.79
3736311.95        5.62285  (14112922)
        398922.79   3736311.95        5.71143  (14112922)               398942.79
3736311.95        5.78059  (14112922)
        398962.79   3736311.95        5.83509  (14112922)               398982.79
3736311.95        5.90089  (14112922)
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
399282.79	3736311.95	8.15238	(13112217)	399302.79	3736311.95	8.43056	(13112217)
399322.79	3736311.95	8.73238	(13112217)	399342.79	3736311.95	9.03038	(13112217)
399362.79	3736311.95	9.33501	(13112217)	399382.79	3736311.95	9.64962	(13112217)
399402.79	3736311.95	9.96647	(13112217)	399422.79	3736311.95	10.28052	(13112217)
399442.79	3736311.95	10.60066	(13112217)	399462.79	3736311.95	10.92570	(13112217)
399482.79	3736311.95	11.24651	(13112217)	399502.79	3736311.95	11.57993	(13112217)
399522.79	3736311.95	11.92131	(13112217)	399542.79	3736311.95	12.26682	(13112217)

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        399562.79   3736311.95       12.58543  (13112217)               399582.79
3736311.95       12.83641  (13112217)
        399602.79   3736311.95       13.08213  (13112217)               399622.79
3736311.95       13.34146  (13112217)
        399642.79   3736311.95       13.50403  (13112217)               399662.79
3736311.95       13.61644  (13112217)
        399682.79   3736311.95       13.67472  (13112217)               399702.79
3736311.95       13.62435  (13112217)
        399722.79   3736311.95       14.04908  (15091502)               399742.79
3736311.95       14.75177  (12020719)
        399762.79   3736311.95       15.80355  (12020719)               399782.79
3736311.95       17.02612  (12020719)
        399802.79   3736311.95       18.15463  (12020719)               399822.79
3736311.95       19.14498  (12020719)
        399842.79   3736311.95       19.99573  (12020719)               399862.79
3736311.95       21.12585  (12101804)
        399882.79   3736311.95       22.31441  (12101804)               399902.79
3736311.95       23.28097  (12101804)
        399922.79   3736311.95       24.24673  (14121122)               398682.79
3736331.95        4.79402  (14112922)
        398702.79   3736331.95        4.97346  (14112922)               398722.79
3736331.95        5.03637  (14112922)
        398742.79   3736331.95        5.09373  (14112922)               398762.79
3736331.95        5.15414  (14112922)
        398782.79   3736331.95        5.20825  (14112922)               398802.79
3736331.95        5.26858  (14112922)
        398822.79   3736331.95        5.32731  (14112922)               398842.79
3736331.95        5.39582  (14112922)
        398862.79   3736331.95        5.24058  (14112922)               398882.79
3736331.95        5.40500  (14112922)
        398902.79   3736331.95        5.51287  (14112922)               398922.79
3736331.95        5.58234  (14112922)
        398942.79   3736331.95        5.64616  (14112922)               398962.79
3736331.95        5.70370  (14112922)
        398982.79   3736331.95        5.78266  (15051305)               399002.79
3736331.95        5.87483  (15051305)
        399022.79   3736331.95        5.98878  (15051305)               399042.79
3736331.95        6.09400  (15051305)
        399062.79   3736331.95        6.20846  (15051305)               399082.79
3736331.95        6.32704  (15051305)
        399102.79   3736331.95        6.45356  (15051305)               399122.79
3736331.95        6.56057  (15051305)
        399142.79   3736331.95        6.65470  (15051305)               399162.79
3736331.95        6.87884  (13112217)
        399182.79   3736331.95        7.09099  (13112217)               399202.79
3736331.95        7.32966  (13112217)
        399222.79   3736331.95        7.56103  (13112217)               399242.79
3736331.95        7.72927  (13112217)
        399262.79   3736331.95        7.89551  (13112217)               399282.79
3736331.95        8.25080  (13112217)
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        399302.79   3736331.95        8.58154  (13112217)               399322.79
3736331.95        8.87097  (13112217)
        399342.79   3736331.95        9.16271  (13112217)               399362.79
3736331.95        9.45138  (13112217)
        399382.79   3736331.95        9.73317  (13112217)               399402.79
3736331.95       10.01084  (13112217)
        399422.79   3736331.95       10.29908  (13112217)               399442.79
3736331.95       10.57956  (13112217)
        399462.79   3736331.95       10.85591  (13112217)               399482.79
3736331.95       11.11234  (13112217)
        399502.79   3736331.95       11.39077  (13112217)               399522.79
3736331.95       11.65333  (13112217)
        399542.79   3736331.95       11.89287  (13112217)               399562.79
3736331.95       12.15153  (13112217)
        399582.79   3736331.95       12.36942  (13112217)               399602.79
3736331.95       12.51006  (13112217)
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        10:15:03

                                  PAGE 164
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     STCK1       ,

                                            *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                         ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        399622.79   3736331.95       12.62804  (13112217)               399642.79
3736331.95       12.67665  (13112217)
        399662.79   3736331.95       12.65299  (13112217)               399682.79
3736331.95       13.12035  (15091502)
        399702.79   3736331.95       13.85366  (15091502)               399722.79
3736331.95       14.48497  (12020719)
        399742.79   3736331.95       15.37450  (12020719)               399762.79
3736331.95       16.38049  (12020719)
        399782.79   3736331.95       17.35377  (12020719)               399802.79
3736331.95       18.25886  (12020719)
        399822.79   3736331.95       19.01459  (12020719)               399842.79
3736331.95       20.11230  (12101804)
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        399862.79   3736331.95       21.12454  (12101804)                399882.79
3736331.95       21.90709  (12101804)
        399902.79   3736331.95       22.47828  (12041023)                399922.79
3736331.95       24.05338  (14121122)
        399982.79   3736331.95       27.63815  (12052423)                400162.79
3736331.95       35.49823  (16030606)
        400182.79   3736331.95       38.43252  (16030606)                398682.79
3736351.95        4.73516  (14112922)
        398702.79   3736351.95        4.90681  (14112922)                398722.79
3736351.95        4.96520  (14112922)
        398742.79   3736351.95        5.01540  (14112922)                398762.79
3736351.95        5.06950  (14112922)
        398782.79   3736351.95        5.12124  (14112922)                398802.79
3736351.95        5.17106  (14112922)
        398822.79   3736351.95        5.22977  (14112922)                398842.79
3736351.95        5.28062  (14112922)
        398862.79   3736351.95        5.10578  (14112922)                398882.79
3736351.95        5.28935  (14112922)
        398902.79   3736351.95        5.42938  (15051305)                398922.79
3736351.95        5.55050  (15051305)
        398942.79   3736351.95        5.65862  (15051305)                398962.79
3736351.95        5.76244  (15051305)
        398982.79   3736351.95        5.86709  (15051305)                399002.79
3736351.95        5.98059  (15051305)
        399022.79   3736351.95        6.09197  (15051305)                399042.79
3736351.95        6.20069  (15051305)
        399062.79   3736351.95        6.28445  (15051305)                399082.79
3736351.95        6.39222  (15051305)
        399102.79   3736351.95        6.49089  (15051305)                399122.79
3736351.95        6.62434  (13112217)
        399142.79   3736351.95        6.83325  (13112217)                399162.79
3736351.95        7.05722  (13112217)
        399182.79   3736351.95        7.27285  (13112217)                399202.79
3736351.95        7.49761  (13112217)
        399222.79   3736351.95        7.72273  (13112217)                399242.79
3736351.95        7.94993  (13112217)
        399262.79   3736351.95        8.14841  (13112217)                399282.79
3736351.95        8.27554  (13112217)
        399302.79   3736351.95        8.55234  (13112217)                399322.79
3736351.95        8.92179  (13112217)
        399342.79   3736351.95        9.20278  (13112217)                399362.79
3736351.95        9.46548  (13112217)
        399382.79   3736351.95        9.70395  (13112217)                399402.79
3736351.95        9.95498  (13112217)
        399422.79   3736351.95       10.20373  (13112217)                399442.79
3736351.95       10.44005  (13112217)
        399462.79   3736351.95       10.67228  (13112217)                399482.79
3736351.95       10.87828  (13112217)
        399502.79   3736351.95       11.06744  (13112217)                399522.79
3736351.95       11.25362  (13112217)
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
399902.79	3736351.95	22.03570	(14121122)	399922.79	3736351.95	23.37978	(14121122)
399942.79	3736351.95	24.33894	(14121122)	399962.79	3736351.95	25.27191	(12052423)
399982.79	3736351.95	27.03614	(12052423)	400002.79	3736351.95	28.07982	(12052423)
400022.79	3736351.95	29.07034	(16122319)	400042.79	3736351.95	30.08196	(16122320)
400062.79	3736351.95	30.95520	(16122320)	400082.79	3736351.95	31.63140	(12020717)

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        400102.79   3736351.95       33.22917  (15060922)                400122.79
3736351.95       33.44526  (15060922)
        400142.79   3736351.95       32.89331  (16030605)                400162.79
3736351.95       33.90251  (16030606)
        400182.79   3736351.95       35.92899  (16030606)                398682.79
3736371.95        4.65828  (14112922)
        398702.79   3736371.95        4.81997  (14112922)                398722.79
3736371.95        4.86814  (14112922)
        398742.79   3736371.95        4.89842  (14112922)                398762.79
3736371.95        4.96314  (14112922)
        398782.79   3736371.95        5.00977  (14112922)                398802.79
3736371.95        5.08030  (15051305)
        398822.79   3736371.95        5.16911  (15051305)                398842.79
3736371.95        5.26650  (15051305)
        398862.79   3736371.95        5.12755  (15051305)                398882.79
3736371.95        5.37556  (15051305)
        398902.79   3736371.95        5.50987  (15051305)                398922.79
3736371.95        5.62173  (15051305)
        398942.79   3736371.95        5.72143  (15051305)                398962.79
3736371.95        5.82553  (15051305)
        398982.79   3736371.95        5.92239  (15051305)                399002.79
3736371.95        6.01914  (15051305)
        399022.79   3736371.95        6.12614  (15051305)                399042.79
3736371.95        6.22446  (15051305)
        399062.79   3736371.95        6.30717  (15051305)                399082.79
3736371.95        6.39843  (13112217)
        399102.79   3736371.95        6.58176  (13112217)                399122.79
3736371.95        6.78401  (13112217)
        399142.79   3736371.95        6.99574  (13112217)                399162.79
3736371.95        7.18375  (13112217)
        399182.79   3736371.95        7.39459  (13112217)                399202.79
3736371.95        7.60656  (13112217)
        399222.79   3736371.95        7.81880  (13112217)                399242.79
3736371.95        8.01082  (13112217)
        399262.79   3736371.95        8.24686  (13112217)                399282.79
3736371.95        8.46513  (13112217)
        399302.79   3736371.95        8.60155  (13112217)                399322.79
3736371.95        8.73565  (13112217)
        399342.79   3736371.95        9.08517  (13112217)                399362.79
3736371.95        9.37416  (13112217)
        399382.79   3736371.95        9.58750  (13112217)                399402.79
3736371.95        9.80031  (13112217)
        399422.79   3736371.95       10.01717  (13112217)                399442.79
3736371.95       10.20743  (13112217)
        399462.79   3736371.95       10.38883  (13112217)                399482.79
3736371.95       10.54155  (13112217)
        399502.79   3736371.95       10.66561  (13112217)                399522.79
3736371.95       10.75397  (13112217)
        399542.79   3736371.95       10.86469  (16120224)                399562.79
3736371.95       11.07063  (16120224)
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        399582.79   3736371.95       11.23617  (16120224)                399602.79
3736371.95       11.39178  (16120224)
        399622.79   3736371.95       12.02926  (15091502)                399642.79
3736371.95       12.64169  (15091502)
        399662.79   3736371.95       13.20955  (15091502)                399682.79
3736371.95       13.77512  (12020719)
        399702.79   3736371.95       14.44194  (12020719)                399722.79
3736371.95       15.23984  (12020719)
        399742.79   3736371.95       15.98483  (12020719)                399762.79
3736371.95       16.58579  (12020719)
        399782.79   3736371.95       17.17121  (12101804)                399802.79
3736371.95       18.09255  (12101804)
        399822.79   3736371.95       18.89508  (12101804)                399842.79
3736371.95       19.49835  (12101804)
        399862.79   3736371.95       19.98825  (12041023)                399882.79
3736371.95       20.36612  (14121122)
        399902.79   3736371.95       21.43140  (14121122)                399922.79
3736371.95       22.26626  (14121122)
        399942.79   3736371.95       23.08911  (12052423)                399962.79
3736371.95       24.76346  (12052423)
↑ *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                        ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                        ***       10:15:03

                                  PAGE 166
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     STCK1       ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)             X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
        399982.79   3736371.95       25.88090  (12052423)                400002.79
3736371.95       26.64520  (16122319)
        400022.79   3736371.95       27.51700  (16122319)                400042.79
3736371.95       28.22376  (16122320)
        400062.79   3736371.95       28.74569  (12020717)                400082.79
3736371.95       29.79755  (12020717)
        400102.79   3736371.95       30.54429  (15060922)                400122.79
3736371.95       31.10170  (16030605)
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        400142.79   3736371.95       30.46907  (16030605)                400162.79
3736371.95       32.18063  (16030606)
        400182.79   3736371.95       33.57290  (16030606)                398682.79
3736391.95        4.56327  (14112922)
        398702.79   3736391.95        4.71895  (15051305)                398722.79
3736391.95        4.80354  (15051305)
        398742.79   3736391.95        4.87619  (15051305)                398762.79
3736391.95        4.97624  (15051305)
        398782.79   3736391.95        5.06426  (15051305)                398802.79
3736391.95        5.15332  (15051305)
        398822.79   3736391.95        5.24338  (15051305)                398842.79
3736391.95        5.33426  (15051305)
        398862.79   3736391.95        5.18336  (15051305)                398882.79
3736391.95        5.43883  (15051305)
        398902.79   3736391.95        5.54704  (15051305)                398922.79
3736391.95        5.64415  (15051305)
        398942.79   3736391.95        5.73433  (15051305)                398962.79
3736391.95        5.83482  (15051305)
        398982.79   3736391.95        5.94346  (15051305)                399002.79
3736391.95        6.03121  (15051305)
        399022.79   3736391.95        6.11466  (15051305)                399042.79
3736391.95        6.18878  (15051305)
        399062.79   3736391.95        6.34309  (13112217)                399082.79
3736391.95        6.52340  (13112217)
        399102.79   3736391.95        6.71488  (13112217)                399122.79
3736391.95        6.90261  (13112217)
        399142.79   3736391.95        7.07624  (13112217)                399162.79
3736391.95        7.25718  (13112217)
        399182.79   3736391.95        7.45590  (13112217)                399202.79
3736391.95        7.65584  (13112217)
        399222.79   3736391.95        7.84069  (13112217)                399242.79
3736391.95        8.04093  (13112217)
        399262.79   3736391.95        8.24888  (13112217)                399282.79
3736391.95        8.44250  (13112217)
        399302.79   3736391.95        8.64521  (13112217)                399322.79
3736391.95        8.79683  (13112217)
        399342.79   3736391.95        8.83963  (13112217)                399362.79
3736391.95        9.08502  (13112217)
        399382.79   3736391.95        9.36785  (13112217)                399402.79
3736391.95        9.56227  (13112217)
        399422.79   3736391.95        9.72378  (13112217)                399442.79
3736391.95        9.85295  (13112217)
        399462.79   3736391.95        9.97117  (13112217)                399482.79
3736391.95       10.15095  (16120224)
        399502.79   3736391.95       10.40567  (16120224)                399522.79
3736391.95       10.55098  (16120224)
        399542.79   3736391.95       10.67776  (16120224)                399562.79
3736391.95       10.79774  (16120224)
        399582.79   3736391.95       11.16060  (15091502)                399602.79
3736391.95       11.69858  (15091502)
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        399622.79   3736391.95       12.24800  (15091502)                399642.79
3736391.95       12.82692  (15091502)
        399662.79   3736391.95       13.36170  (12020719)                399682.79
3736391.95       13.92325  (12020719)
        399702.79   3736391.95       14.58153  (12020719)                399722.79
3736391.95       15.22472  (12020719)
        399742.79   3736391.95       15.80528  (12020719)                399762.79
3736391.95       16.36310  (12101804)
        399782.79   3736391.95       17.14076  (12101804)                399802.79
3736391.95       17.82008  (12101804)
        399822.79   3736391.95       18.34893  (12101804)                399842.79
3736391.95       18.73731  (12041023)
        399862.79   3736391.95       18.90734  (12041023)                399882.79
3736391.95       19.74923  (14121122)
        399902.79   3736391.95       20.45640  (14121122)                399922.79
3736391.95       21.18391  (12052423)
        399942.79   3736391.95       22.81274  (12052423)                399962.79
3736391.95       23.88965  (12052423)
        399982.79   3736391.95       24.44224  (16122319)                400002.79
3736391.95       25.45155  (16122319)
        400022.79   3736391.95       25.71902  (16122319)                400042.79
3736391.95       26.29162  (16062022)
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                      ***        10:15:03

                                  PAGE 167
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     STCK1       ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        400062.79   3736391.95       27.43487  (12020717)                400082.79
3736391.95       28.10543  (16122322)
        400102.79   3736391.95       28.55955  (16122322)                400122.79
3736391.95       29.14174  (16030605)
        400142.79   3736391.95       28.20593  (16030605)                400162.79
3736391.95       30.31882  (16030606)
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        400182.79   3736391.95       31.39641  (16062019)              398682.79
3736411.95        4.59790  (15051305)
        398702.79   3736411.95        4.78681  (15051305)              398722.79
3736411.95        4.86826  (15051305)
        398742.79   3736411.95        4.95060  (15051305)              398762.79
3736411.95        5.03368  (15051305)
        398782.79   3736411.95        5.11755  (15051305)              398802.79
3736411.95        5.20204  (15051305)
        398822.79   3736411.95        5.28702  (15051305)              398842.79
3736411.95        5.37247  (15051305)
        398862.79   3736411.95        5.21847  (15051305)              398882.79
3736411.95        5.47127  (15051305)
        398902.79   3736411.95        5.56060  (15051305)              398922.79
3736411.95        5.64550  (15051305)
        398942.79   3736411.95        5.73269  (15051305)              398962.79
3736411.95        5.82030  (15051305)
        398982.79   3736411.95        5.92090  (15051305)              399002.79
3736411.95        6.00515  (15051305)
        399022.79   3736411.95        6.10946  (13112217)              399042.79
3736411.95        6.27370  (13112217)
        399062.79   3736411.95        6.45141  (13112217)              399082.79
3736411.95        6.62027  (13112217)
        399102.79   3736411.95        6.78249  (13112217)              399122.79
3736411.95        6.95571  (13112217)
        399142.79   3736411.95        7.11532  (13112217)              399162.79
3736411.95        7.28066  (13112217)
        399182.79   3736411.95        7.45621  (13112217)              399202.79
3736411.95        7.63922  (13112217)
        399222.79   3736411.95        7.81265  (13112217)              399242.79
3736411.95        8.00856  (13112217)
        399262.79   3736411.95        8.18264  (13112217)              399282.79
3736411.95        8.36096  (13112217)
        399302.79   3736411.95        8.51856  (13112217)              399322.79
3736411.95        8.67759  (13112217)
        399342.79   3736411.95        8.82574  (13112217)              399362.79
3736411.95        8.86174  (13112217)
        399382.79   3736411.95        8.92060  (13112217)              399402.79
3736411.95        9.18106  (13112217)
        399422.79   3736411.95        9.45201  (16120224)              399442.79
3736411.95        9.65985  (16120224)
        399462.79   3736411.95        9.83413  (16120224)              399482.79
3736411.95       10.00930  (16120224)
        399502.79   3736411.95       10.20631  (16120224)              399522.79
3736411.95       10.32385  (16120224)
        399542.79   3736411.95       10.48279  (15091502)              399562.79
3736411.95       10.95815  (15091502)
        399582.79   3736411.95       11.43871  (15091502)              399602.79
3736411.95       11.89207  (15091502)
        399622.79   3736411.95       12.35745  (15091502)              399642.79
3736411.95       12.85723  (12020719)
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        399662.79   3736411.95       13.42897  (12020719)                399682.79
3736411.95       13.91904  (12020719)
        399702.79   3736411.95       14.52048  (12020719)                399722.79
3736411.95       14.99457  (12020719)
        399742.79   3736411.95       15.58057  (12101804)                399762.79
3736411.95       16.25850  (12101804)
        399782.79   3736411.95       16.82910  (12101804)                399802.79
3736411.95       17.23827  (12101804)
        399822.79   3736411.95       17.65126  (12041023)                399842.79
3736411.95       17.80665  (12041023)
        399862.79   3736411.95       18.27051  (14121122)                399882.79
3736411.95       18.89406  (14121122)
        399902.79   3736411.95       19.50200  (12052423)                399922.79
3736411.95       20.89495  (12052423)
        399942.79   3736411.95       22.04068  (12052423)                399962.79
3736411.95       22.65286  (12052423)
        399982.79   3736411.95       23.52680  (16122319)                400002.79
3736411.95       23.99515  (16122319)
        400022.79   3736411.95       24.08490  (16062022)                400042.79
3736411.95       25.12773  (16062022)
        400062.79   3736411.95       25.73169  (12020717)                400082.79
3736411.95       26.57388  (16122322)
        400102.79   3736411.95       27.17811  (16030605)                400122.79
3736411.95       27.24783  (16030605)
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                                   ***        10:15:03

                                              PAGE 168
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                 *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                              INCLUDING SOURCE(S):     STCK1       ,

                                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                                     ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)                X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        400142.79   3736411.95       26.55443  (16030606)                400162.79
3736411.95       28.64704  (16030606)
        400182.79   3736411.95       29.40086  (16062019)                398682.79
3736431.95        4.65295  (15051305)
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        398702.79   3736431.95        4.83457  (15051305)                398722.79
3736431.95        4.93308  (15051305)
        398742.79   3736431.95        5.01078  (15051305)                398762.79
3736431.95        5.08548  (15051305)
        398782.79   3736431.95        5.15337  (15051305)                398802.79
3736431.95        5.22618  (15051305)
        398822.79   3736431.95        5.32675  (15051305)                398842.79
3736431.95        5.36161  (15051305)
        398862.79   3736431.95        5.21591  (15051305)                398882.79
3736431.95        5.47378  (15051305)
        398902.79   3736431.95        5.54578  (15051305)                398922.79
3736431.95        5.62457  (15051305)
        398942.79   3736431.95        5.70150  (15051305)                398962.79
3736431.95        5.77808  (15051305)
        398982.79   3736431.95        5.89703  (13112217)                399002.79
3736431.95        6.03518  (13112217)
        399022.79   3736431.95        6.17788  (13112217)                399042.79
3736431.95        6.34700  (13112217)
        399062.79   3736431.95        6.50217  (13112217)                399082.79
3736431.95        6.65988  (13112217)
        399102.79   3736431.95        6.81585  (13112217)                399122.79
3736431.95        6.96991  (13112217)
        399142.79   3736431.95        7.11145  (13112217)                399162.79
3736431.95        7.25922  (13112217)
        399182.79   3736431.95        7.41454  (13112217)                399202.79
3736431.95        7.57011  (13112217)
        399222.79   3736431.95        7.73161  (13112217)                399242.79
3736431.95        7.90458  (13112217)
        399262.79   3736431.95        8.05688  (13112217)                399282.79
3736431.95        8.20228  (13112217)
        399302.79   3736431.95        8.34647  (13112217)                399322.79
3736431.95        8.47350  (13112217)
        399342.79   3736431.95        8.61578  (16120224)                399362.79
3736431.95        8.80038  (16120224)
        399382.79   3736431.95        8.94447  (16120224)                399402.79
3736431.95        8.92573  (16120224)
        399422.79   3736431.95        9.21212  (16120224)                399442.79
3736431.95        9.50805  (16120224)
        399462.79   3736431.95        9.69072  (16120224)                399482.79
3736431.95        9.80384  (16120224)
        399502.79   3736431.95        9.89766  (16120224)                399522.79
3736431.95       10.33282  (15091502)
        399542.79   3736431.95       10.76001  (15091502)                399562.79
3736431.95       11.18978  (15091502)
        399582.79   3736431.95       11.60165  (15091502)                399602.79
3736431.95       11.97478  (15091502)
        399622.79   3736431.95       12.38156  (12020719)                399642.79
3736431.95       12.87039  (12020719)
        399662.79   3736431.95       13.31675  (12020719)                399682.79
3736431.95       13.74053  (12020719)
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        399702.79   3736431.95       14.19835  (12020719)               399722.79
3736431.95       14.80917  (12101804)
        399742.79   3736431.95       15.40532  (12101804)               399762.79
3736431.95       15.91319  (12101804)
        399782.79   3736431.95       16.24353  (12041023)               399802.79
3736431.95       16.56521  (12041023)
        399822.79   3736431.95       16.68542  (12041023)               399842.79
3736431.95       16.93186  (14121122)
        399862.79   3736431.95       17.50690  (14121122)               399882.79
3736431.95       18.06854  (12052423)
        399902.79   3736431.95       19.30496  (12052423)               399922.79
3736431.95       20.34362  (12052423)
        399942.79   3736431.95       21.04200  (12052423)               399962.79
3736431.95       21.74959  (16122319)
        399982.79   3736431.95       22.39353  (16122319)               400002.79
3736431.95       22.44915  (16122319)
        400022.79   3736431.95       23.32862  (16062022)               400042.79
3736431.95       23.82365  (16062022)
        400062.79   3736431.95       24.43520  (16122322)               400082.79
3736431.95       25.21199  (16122322)
        400102.79   3736431.95       25.85789  (16030605)               400122.79
3736431.95       25.54753  (16030605)
        400142.79   3736431.95       25.37553  (16030606)               400162.79
3736431.95       27.04131  (16030606)
        400182.79   3736431.95       27.56233  (16062019)               398682.79
3736451.95        4.68826  (15051305)
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                      ***        10:15:03

                                 PAGE 169
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                 INCLUDING SOURCE(S):     STCK1       ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
        398702.79   3736451.95        4.86200  (15051305)               398722.79
3736451.95        4.94348  (15051305)
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        398742.79   3736451.95        5.00950  (15051305)                398762.79
3736451.95        5.08049  (15051305)
        398782.79   3736451.95        5.15197  (15051305)                398802.79
3736451.95        5.20414  (15051305)
        398822.79   3736451.95        5.30379  (15051305)                398842.79
3736451.95        5.33256  (15051305)
        398862.79   3736451.95        5.19159  (15051305)                398882.79
3736451.95        5.44693  (15051305)
        398902.79   3736451.95        5.52204  (15051305)                398922.79
3736451.95        5.58911  (15051305)
        398942.79   3736451.95        5.67065  (13112217)                398962.79
3736451.95        5.80430  (13112217)
        398982.79   3736451.95        5.94410  (13112217)                399002.79
3736451.95        6.06766  (13112217)
        399022.79   3736451.95        6.21822  (13112217)                399042.79
3736451.95        6.36611  (13112217)
        399062.79   3736451.95        6.51239  (13112217)                399082.79
3736451.95        6.66090  (13112217)
        399102.79   3736451.95        6.80068  (13112217)                399122.79
3736451.95        6.93138  (13112217)
        399142.79   3736451.95        7.05336  (13112217)                399162.79
3736451.95        7.18999  (13112217)
        399182.79   3736451.95        7.32414  (13112217)                399202.79
3736451.95        7.46262  (13112217)
        399222.79   3736451.95        7.59571  (13112217)                399242.79
3736451.95        7.72586  (13112217)
        399262.79   3736451.95        7.86149  (13112217)                399282.79
3736451.95        8.00408  (16120224)
        399302.79   3736451.95        8.20848  (16120224)                399322.79
3736451.95        8.40985  (16120224)
        399342.79   3736451.95        8.58113  (16120224)                399362.79
3736451.95        8.75311  (16120224)
        399382.79   3736451.95        8.94292  (16120224)                399402.79
3736451.95        9.04763  (16120224)
        399422.79   3736451.95        9.02678  (16120224)                399442.79
3736451.95        9.07281  (16120224)
        399462.79   3736451.95        9.35077  (16120224)                399482.79
3736451.95        9.67836  (15091502)
        399502.79   3736451.95       10.10518  (15091502)                399522.79
3736451.95       10.50103  (15091502)
        399542.79   3736451.95       10.90578  (15091502)                399562.79
3736451.95       11.27607  (15091502)
        399582.79   3736451.95       11.63313  (15091502)                399602.79
3736451.95       11.98724  (12020719)
        399622.79   3736451.95       12.42610  (12020719)                399642.79
3736451.95       12.75243  (12020719)
        399662.79   3736451.95       13.09864  (12020719)                399682.79
3736451.95       13.43817  (12020719)
        399702.79   3736451.95       14.04870  (12101804)                399722.79
3736451.95       14.61543  (12101804)
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        399742.79   3736451.95       15.05375  (12101804)               399762.79
3736451.95       15.41509  (12041023)
        399782.79   3736451.95       15.64515  (12041023)               399802.79
3736451.95       15.83271  (15100321)
        399822.79   3736451.95       15.87864  (15100321)               399842.79
3736451.95       16.26454  (14121122)
        399862.79   3736451.95       16.81023  (12052423)               399882.79
3736451.95       17.93031  (12052423)
        399902.79   3736451.95       18.90775  (12052423)               399922.79
3736451.95       19.58767  (12052423)
        399942.79   3736451.95       20.08476  (16122319)               399962.79
3736451.95       20.84244  (16122319)
        399982.79   3736451.95       21.10980  (16122319)               400002.79
3736451.95       21.64472  (16062022)
        400022.79   3736451.95       22.40445  (16062022)               400042.79
3736451.95       22.49573  (16062022)
        400062.79   3736451.95       23.41134  (16122322)               400082.79
3736451.95       23.99233  (16030605)
        400102.79   3736451.95       24.40482  (16030605)               400122.79
3736451.95       23.84513  (16030605)
        400142.79   3736451.95       24.27539  (16030606)               400162.79
3736451.95       25.52280  (16030606)
        400182.79   3736451.95       25.87326  (16062019)               398682.79
3736471.95        4.70374  (15051305)
        398702.79   3736471.95        4.86912  (15051305)               398722.79
3736471.95        4.94265  (15051305)
        398742.79   3736471.95        5.00438  (15051305)               398762.79
3736471.95        5.07010  (15051305)
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        10:15:03

                                  PAGE 170
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     STCK1       ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                     ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
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        398782.79   3736471.95        5.13137  (15051305)                398802.79
3736471.95        5.18585  (15051305)
        398822.79   3736471.95        5.26702  (15051305)                398842.79
3736471.95        5.28689  (15051305)
        398862.79   3736471.95        5.13284  (15051305)                398882.79
3736471.95        5.37628  (15051305)
        398902.79   3736471.95        5.46296  (13112217)                398922.79
3736471.95        5.58825  (13112217)
        398942.79   3736471.95        5.71233  (13112217)                398962.79
3736471.95        5.83517  (13112217)
        398982.79   3736471.95        5.96258  (13112217)                399002.79
3736471.95        6.07701  (13112217)
        399022.79   3736471.95        6.22438  (13112217)                399042.79
3736471.95        6.35612  (13112217)
        399062.79   3736471.95        6.49949  (13112217)                399082.79
3736471.95        6.62251  (13112217)
        399102.79   3736471.95        6.74063  (13112217)                399122.79
3736471.95        6.86599  (13112217)
        399142.79   3736471.95        6.97821  (13112217)                399162.79
3736471.95        7.07809  (13112217)
        399182.79   3736471.95        7.19230  (13112217)                399202.79
3736471.95        7.30583  (13112217)
        399222.79   3736471.95        7.43558  (16120224)                399242.79
3736471.95        7.62537  (16120224)
        399262.79   3736471.95        7.82991  (16120224)                399282.79
3736471.95        8.02415  (16120224)
        399302.79   3736471.95        8.20431  (16120224)                399322.79
3736471.95        8.38583  (16120224)
        399342.79   3736471.95        8.52091  (16120224)                399362.79
3736471.95        8.65468  (16120224)
        399382.79   3736471.95        8.78306  (16120224)                399402.79
3736471.95        8.87976  (16120224)
        399422.79   3736471.95        8.98487  (16120224)                399442.79
3736471.95        9.05674  (15091502)
        399462.79   3736471.95        9.25017  (15091502)                399482.79
3736471.95        9.73615  (15091502)
        399502.79   3736471.95       10.20224  (15091502)                399522.79
3736471.95       10.57391  (15091502)
        399542.79   3736471.95       10.92004  (15091502)                399562.79
3736471.95       11.22189  (15091502)
        399582.79   3736471.95       11.53776  (12020719)                399602.79
3736471.95       11.91048  (12020719)
        399622.79   3736471.95       12.23492  (12020719)                399642.79
3736471.95       12.50523  (12020719)
        399662.79   3736471.95       12.82319  (12101804)                399682.79
3736471.95       13.38303  (12101804)
        399702.79   3736471.95       13.85006  (12101804)                399722.79
3736471.95       14.25663  (12101804)
        399742.79   3736471.95       14.56134  (12041023)                399762.79
3736471.95       14.86723  (15100321)
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        399782.79   3736471.95       15.12275  (15100321)                399802.79
3736471.95       15.12662  (15100321)
        399822.79   3736471.95       15.16774  (14121122)                399842.79
3736471.95       15.73074  (12020718)
        399862.79   3736471.95       16.74281  (12020718)                399882.79
3736471.95       17.67027  (12020718)
        399902.79   3736471.95       18.30992  (12052423)                399922.79
3736471.95       18.68018  (12052423)
        399942.79   3736471.95       19.41057  (16122319)                399962.79
3736471.95       19.80974  (16122319)
        399982.79   3736471.95       20.00326  (16062022)                400002.79
3736471.95       20.98615  (16062022)
        400022.79   3736471.95       21.40335  (16062022)                400042.79
3736471.95       21.58717  (16122322)
        400062.79   3736471.95       22.36997  (16122322)                400082.79
3736471.95       22.91942  (16030605)
        400102.79   3736471.95       22.98717  (16030605)                400122.79
3736471.95       22.24866  (16030605)
        400142.79   3736471.95       23.14550  (16030606)                400162.79
3736471.95       24.13808  (16030606)
        400182.79   3736471.95       24.32315  (16062019)                398682.79
3736491.95        4.69458  (15051305)
        398702.79   3736491.95        4.85619  (15051305)                398722.79
3736491.95        4.91983  (15051305)
        398742.79   3736491.95        4.97791  (15051305)                398762.79
3736491.95        5.03772  (15051305)
        398782.79   3736491.95        5.09655  (15051305)                398802.79
3736491.95        5.15421  (15051305)
        398822.79   3736491.95        5.21044  (15051305)                398842.79
3736491.95        5.22020  (15051305)
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                                   ***        10:15:03

                                              PAGE 171
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                 *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                              INCLUDING SOURCE(S):     STCK1       ,

                                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                                     ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
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 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
        398862.79   3736491.95       5.13313  (13112217)                398882.79
3736491.95       5.35964  (13112217)
        398902.79   3736491.95       5.49029  (13112217)                398922.79
3736491.95       5.60660  (13112217)
        398942.79   3736491.95       5.72379  (13112217)                398962.79
3736491.95       5.83658  (13112217)
        398982.79   3736491.95       5.95038  (13112217)                399002.79
3736491.95       6.06115  (13112217)
        399022.79   3736491.95       6.19325  (13112217)                399042.79
3736491.95       6.31855  (13112217)
        399062.79   3736491.95       6.43727  (13112217)                399082.79
3736491.95       6.54024  (13112217)
        399102.79   3736491.95       6.65243  (13112217)                399122.79
3736491.95       6.75168  (13112217)
        399142.79   3736491.95       6.84875  (13112217)                399162.79
3736491.95       6.95023  (16120224)
        399182.79   3736491.95       7.13544  (16120224)                399202.79
3736491.95       7.29273  (16120224)
        399222.79   3736491.95       7.46417  (16120224)                399242.79
3736491.95       7.63428  (16120224)
        399262.79   3736491.95       7.83031  (16120224)                399282.79
3736491.95       7.98933  (16120224)
        399302.79   3736491.95       8.13643  (16120224)                399322.79
3736491.95       8.26384  (16120224)
        399342.79   3736491.95       8.38421  (16120224)                399362.79
3736491.95       8.47371  (16120224)
        399382.79   3736491.95       8.56208  (16120224)                399402.79
3736491.95       8.62151  (16120224)
        399422.79   3736491.95       8.95412  (15091502)                399442.79
3736491.95       9.30743  (15091502)
        399462.79   3736491.95       9.61783  (15091502)                399482.79
3736491.95       9.76226  (15091502)
        399502.79   3736491.95      10.04080  (15091502)                399522.79
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        399542.79   3736491.95      10.79735  (15091502)                399562.79
3736491.95      11.09332  (12020719)
        399582.79   3736491.95      11.44780  (12020719)                399602.79
3736491.95      11.74010  (12020719)
        399622.79   3736491.95      11.94613  (12020719)                399642.79
3736491.95      12.31789  (12101804)
        399662.79   3736491.95      12.79916  (12101804)                399682.79
3736491.95      13.18847  (12101804)
        399702.79   3736491.95      13.52387  (12101804)                399722.79
3736491.95      13.79946  (12041023)
        399742.79   3736491.95      14.15770  (15100321)                399762.79
3736491.95      14.42259  (15100321)
        399782.79   3736491.95      14.52908  (15100321)                399802.79
3736491.95      14.34488  (15100321)
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        399822.79   3736491.95       14.80587  (12020718)                399842.79
3736491.95       15.74143  (12020718)
        399862.79   3736491.95       16.57264  (12020718)                399882.79
3736491.95       17.22143  (12020718)
        399902.79   3736491.95       17.56168  (12020718)                399922.79
3736491.95       18.08276  (16122319)
        399942.79   3736491.95       18.55710  (16122319)                399962.79
3736491.95       18.68835  (16122319)
        399982.79   3736491.95       19.51527  (16062022)                400002.79
3736491.95       20.14914  (16062022)
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3736491.95       20.70997  (16122322)
        400062.79   3736491.95       21.18364  (16122322)                400082.79
3736491.95       21.78272  (16030605)
        400102.79   3736491.95       21.62510  (16030605)                400122.79
3736491.95       20.76204  (16030605)
        400142.79   3736491.95       22.05563  (16030606)                400162.79
3736491.95       22.82150  (16030606)
        400182.79   3736491.95       22.90109  (16062019)                398682.79
3736511.95        4.66622  (15051305)
        398702.79   3736511.95        4.82371  (15051305)                398722.79
3736511.95        4.87923  (15051305)
        398742.79   3736511.95        4.93228  (15051305)                398762.79
3736511.95        4.98463  (15051305)
        398782.79   3736511.95        5.03517  (15051305)                398802.79
3736511.95        5.08462  (15051305)
        398822.79   3736511.95        5.13217  (15051305)                398842.79
3736511.95        5.17652  (13112217)
        398862.79   3736511.95        5.16021  (13112217)                398882.79
3736511.95        5.37240  (13112217)
        398902.79   3736511.95        5.48613  (13112217)                398922.79
3736511.95        5.59223  (13112217)
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                      ***        10:15:03

                                 PAGE 172
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                 INCLUDING SOURCE(S):     STCK1       ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                         ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **
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X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
398942.79	3736511.95	5.69933	(13112217)	398962.79	3736511.95	5.80271	(13112217)
398982.79	3736511.95	5.90111	(13112217)	399002.79	3736511.95	6.01387	(13112217)
399022.79	3736511.95	6.12968	(13112217)	399042.79	3736511.95	6.24383	(13112217)
399062.79	3736511.95	6.32835	(13112217)	399082.79	3736511.95	6.42726	(13112217)
399102.79	3736511.95	6.55119	(16120224)	399122.79	3736511.95	6.70653	(16120224)
399142.79	3736511.95	6.83563	(16120224)	399162.79	3736511.95	7.00701	(16120224)
399182.79	3736511.95	7.18506	(16120224)	399202.79	3736511.95	7.32702	(16120224)
399222.79	3736511.95	7.44879	(16120224)	399242.79	3736511.95	7.62527	(16120224)
399262.79	3736511.95	7.75970	(16120224)	399282.79	3736511.95	7.89639	(16120224)
399302.79	3736511.95	7.99230	(16120224)	399322.79	3736511.95	8.09577	(16120224)
399342.79	3736511.95	8.17795	(16120224)	399362.79	3736511.95	8.22033	(16120224)
399382.79	3736511.95	8.42045	(15091502)	399402.79	3736511.95	8.75162	(15091502)
399422.79	3736511.95	9.08521	(15091502)	399442.79	3736511.95	9.37942	(15091502)
399462.79	3736511.95	9.68650	(15091502)	399482.79	3736511.95	9.91641	(15091502)
399502.79	3736511.95	10.12808	(15091502)	399522.79	3736511.95	10.16698	(15091502)
399542.79	3736511.95	10.58395	(12020719)	399562.79	3736511.95	10.96308	(12020719)
399582.79	3736511.95	11.23528	(12020719)	399602.79	3736511.95	11.40903	(12020719)
399622.79	3736511.95	11.76624	(12101804)	399642.79	3736511.95	12.20446	(12101804)
399662.79	3736511.95	12.57920	(12101804)	399682.79	3736511.95	12.85115	(12101804)
399702.79	3736511.95	13.16603	(15100321)	399722.79	3736511.95	13.49616	(15100321)
399742.79	3736511.95	13.74271	(15100321)	399762.79	3736511.95	13.83028	(15100321)
399782.79	3736511.95	13.78337	(13050424)	399802.79	3736511.95	13.95806	(12020718)
399822.79	3736511.95	14.79605	(12020718)	399842.79	3736511.95	15.60622	(12020718)

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        399862.79   3736511.95       16.25910  (12020718)                399882.79
3736511.95       16.61815  (12020718)
        399902.79   3736511.95       16.87113  (16122319)                399922.79
3736511.95       17.38196  (16122319)
        399942.79   3736511.95       17.62207  (16122319)                399962.79
3736511.95       18.07693  (16062022)
        399982.79   3736511.95       18.90545  (16062022)                400002.79
3736511.95       19.24395  (16062022)
        400022.79   3736511.95       19.18073  (16122322)                400042.79
3736511.95       19.80819  (16122322)
        400062.79   3736511.95       20.30283  (16030605)                400082.79
3736511.95       20.66117  (16030605)
        400102.79   3736511.95       20.33033  (16030605)                400122.79
3736511.95       19.80603  (16030606)
        400142.79   3736511.95       21.01258  (16030606)                400162.79
3736511.95       21.58761  (16030606)
        400182.79   3736511.95       21.59576  (16062019)                398682.79
3736531.95        4.62175  (15051305)
        398702.79   3736531.95        4.77241  (15051305)                398722.79
3736531.95        4.83239  (15051305)
        398742.79   3736531.95        4.87500  (15051305)                398762.79
3736531.95        4.91361  (15051305)
        398782.79   3736531.95        4.95347  (15051305)                398802.79
3736531.95        5.02610  (16112024)
        398822.79   3736531.95        5.10929  (13112217)                398842.79
3736531.95        5.17927  (13112217)
        398862.79   3736531.95        5.15103  (13112217)                398882.79
3736531.95        5.37018  (13112217)
        398902.79   3736531.95        5.46018  (13112217)                398922.79
3736531.95        5.55251  (13112217)
        398942.79   3736531.95        5.64822  (13112217)                398962.79
3736531.95        5.74140  (13112217)
        398982.79   3736531.95        5.82682  (13112217)                399002.79
3736531.95        5.93143  (13112217)
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                                   ***        10:15:03

                                              PAGE 173
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                              INCLUDING SOURCE(S):     STCK1       ,

                                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                                     ** CONC OF PM_10    IN MICROGRAMS/M**3
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**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
399022.79	3736531.95	6.03393	(13112217)	399042.79	3736531.95	6.14746	(16120224)
399062.79	3736531.95	6.27452	(16120224)	399082.79	3736531.95	6.42614	(16120224)
399102.79	3736531.95	6.59357	(16120224)	399122.79	3736531.95	6.72015	(16120224)
399142.79	3736531.95	6.84919	(16120224)	399162.79	3736531.95	7.02484	(16120224)
399182.79	3736531.95	7.15617	(16120224)	399202.79	3736531.95	7.29539	(16120224)
399222.79	3736531.95	7.41009	(16120224)	399242.79	3736531.95	7.54103	(16120224)
399262.79	3736531.95	7.64376	(16120224)	399282.79	3736531.95	7.74734	(16120224)
399302.79	3736531.95	7.80885	(16120224)	399322.79	3736531.95	7.88029	(16120224)
399342.79	3736531.95	7.97774	(15091502)	399362.79	3736531.95	8.27563	(15091502)
399382.79	3736531.95	8.52735	(15091502)	399402.79	3736531.95	8.85969	(15091502)
399422.79	3736531.95	9.12483	(15091502)	399442.79	3736531.95	9.39164	(15091502)
399462.79	3736531.95	9.61281	(15091502)	399482.79	3736531.95	9.85944	(15091502)
399502.79	3736531.95	10.06813	(15091502)	399522.79	3736531.95	10.27581	(12020719)
399542.79	3736531.95	10.37931	(12020719)	399562.79	3736531.95	10.58882	(12020719)
399582.79	3736531.95	10.89517	(12020719)	399602.79	3736531.95	11.26919	(12101804)
399622.79	3736531.95	11.66885	(12101804)	399642.79	3736531.95	11.98837	(12101804)
399662.79	3736531.95	12.23397	(12101804)	399682.79	3736531.95	12.57768	(15100321)
399702.79	3736531.95	12.89532	(15100321)	399722.79	3736531.95	13.09457	(15100321)
399742.79	3736531.95	13.21514	(15100321)	399762.79	3736531.95	13.23105	(13050424)
399782.79	3736531.95	13.21130	(12020718)	399802.79	3736531.95	13.97339	(12020718)
399822.79	3736531.95	14.63598	(12020718)	399842.79	3736531.95	15.27440	(12020718)
399862.79	3736531.95	15.73673	(12020718)	399882.79	3736531.95	15.90407	(16091818)

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        399902.79   3736531.95       16.31096  (16122319)                399922.79
3736531.95       16.59732  (16122319)
        399942.79   3736531.95       16.71717  (16062022)                399962.79
3736531.95       17.56356  (16062022)
        399982.79   3736531.95       18.07111  (16062022)                400002.79
3736531.95       18.23956  (16062022)
        400022.79   3736531.95       18.47907  (16122322)                400042.79
3736531.95       18.91976  (16122322)
        400062.79   3736531.95       19.43597  (16030605)                400082.79
3736531.95       19.57029  (16030605)
        400102.79   3736531.95       19.10856  (16030605)                400122.79
3736531.95       19.02436  (16030606)
        400142.79   3736531.95       20.02048  (16030606)                400162.79
3736531.95       20.45427  (16030606)
        400182.79   3736531.95       20.39646  (16062019)                398682.79
3736551.95        4.56073  (15051305)
        398702.79   3736551.95        4.70323  (15051305)                398722.79
3736551.95        4.75523  (16112024)
        398742.79   3736551.95        4.82207  (16112024)                398762.79
3736551.95        4.89173  (16112024)
        398782.79   3736551.95        4.96242  (16112024)                398802.79
3736551.95        5.03210  (16112024)
        398822.79   3736551.95        5.10045  (16112024)                398842.79
3736551.95        5.15890  (13112217)
        398862.79   3736551.95        5.12644  (13112217)                398882.79
3736551.95        5.33910  (13112217)
        398902.79   3736551.95        5.41910  (13112217)                398922.79
3736551.95        5.49928  (13112217)
        398942.79   3736551.95        5.58284  (13112217)                398962.79
3736551.95        5.66161  (13112217)
        398982.79   3736551.95        5.75763  (16120224)                399002.79
3736551.95        5.92644  (16120224)
        399022.79   3736551.95        6.06442  (16120224)                399042.79
3736551.95        6.18111  (16120224)
        399062.79   3736551.95        6.30702  (16120224)                399082.79
3736551.95        6.43546  (16120224)
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                      ***        10:15:03

                                  PAGE 174
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     STCK1       ,

                                           *** DISCRETE CARTESIAN RECEPTOR POINTS
***
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** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
399102.79	3736551.95	6.56721	(16120224)	399122.79	3736551.95	6.68769	(16120224)
399142.79	3736551.95	6.85132	(16120224)	399162.79	3736551.95	6.97413	(16120224)
399182.79	3736551.95	7.09216	(16120224)	399202.79	3736551.95	7.19408	(16120224)
399222.79	3736551.95	7.30540	(16120224)	399242.79	3736551.95	7.39469	(16120224)
399262.79	3736551.95	7.47286	(16120224)	399282.79	3736551.95	7.51969	(16120224)
399302.79	3736551.95	7.58601	(16120224)	399322.79	3736551.95	7.83734	(15091502)
399342.79	3736551.95	8.09982	(15091502)	399362.79	3736551.95	8.35431	(15091502)
399382.79	3736551.95	8.58043	(15091502)	399402.79	3736551.95	8.84729	(15091502)
399422.79	3736551.95	9.11729	(15091502)	399442.79	3736551.95	9.31383	(15091502)
399462.79	3736551.95	9.50759	(15091502)	399482.79	3736551.95	9.71381	(15091502)
399502.79	3736551.95	9.91020	(12020719)	399522.79	3736551.95	10.14980	(12020719)
399542.79	3736551.95	10.32521	(12020719)	399562.79	3736551.95	10.40191	(12020719)
399582.79	3736551.95	10.61253	(12101804)	399602.79	3736551.95	11.05778	(12101804)
399622.79	3736551.95	11.43278	(12101804)	399642.79	3736551.95	11.69923	(15100321)
399662.79	3736551.95	12.03734	(15100321)	399682.79	3736551.95	12.31186	(15100321)
399702.79	3736551.95	12.48297	(15100321)	399722.79	3736551.95	12.56129	(15100321)
399742.79	3736551.95	12.65349	(13050424)	399762.79	3736551.95	12.61920	(13050424)
399782.79	3736551.95	13.21303	(12020718)	399802.79	3736551.95	13.83219	(12020718)
399822.79	3736551.95	14.40135	(12020718)	399842.79	3736551.95	14.85165	(12020718)
399862.79	3736551.95	15.12907	(16091818)	399882.79	3736551.95	15.30882	(16122319)
399902.79	3736551.95	15.68219	(16122319)	399922.79	3736551.95	15.78244	(16122319)

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        399942.79   3736551.95       16.37802  (16062022)               399962.79
3736551.95       16.96997  (16062022)
        399982.79   3736551.95       17.28308  (16062022)               400002.79
3736551.95       17.49954  (16062021)
        400022.79   3736551.95       17.81375  (16122322)               400042.79
3736551.95       18.20264  (16030605)
        400062.79   3736551.95       18.60177  (16030605)               400082.79
3736551.95       18.52060  (16030605)
        400102.79   3736551.95       17.96229  (16030605)               400122.79
3736551.95       18.26111  (16030606)
        400142.79   3736551.95       19.08102  (16030606)               400162.79
3736551.95       19.39416  (16030606)
        400182.79   3736551.95       19.29348  (16062019)               398682.79
3736571.95        4.52402  (16112024)
        398702.79   3736571.95        4.69391  (16112024)               398722.79
3736571.95        4.76625  (16112024)
        398742.79   3736571.95        4.82667  (16112024)               398762.79
3736571.95        4.89105  (16112024)
        398782.79   3736571.95        4.95449  (16112024)               398802.79
3736571.95        5.01643  (16112024)
        398822.79   3736571.95        5.07661  (16112024)               398842.79
3736571.95        5.11739  (13112217)
        398862.79   3736571.95        5.08518  (13112217)               398882.79
3736571.95        5.28378  (13112217)
        398902.79   3736571.95        5.35962  (15012617)               398922.79
3736571.95        5.44036  (15012617)
        398942.79   3736571.95        5.56677  (16120224)               398962.79
3736571.95        5.68031  (16120224)
        398982.79   3736571.95        5.81811  (16120224)               399002.79
3736571.95        5.96527  (16120224)
        399022.79   3736571.95        6.07974  (16120224)               399042.79
3736571.95        6.19470  (16120224)
        399062.79   3736571.95        6.31148  (16120224)               399082.79
3736571.95        6.42497  (16120224)
        399102.79   3736571.95        6.53354  (16120224)               399122.79
3736571.95        6.64433  (16120224)
        399142.79   3736571.95        6.76174  (16120224)               399162.79
3736571.95        6.88399  (16120224)
↟ *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                         ***        10:15:03

                                    PAGE 175
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                    INCLUDING SOURCE(S):     STCK1       ,
```

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
399182.79	3736571.95	6.97786	(16120224)	399202.79	3736571.95	7.06129	(16120224)
399222.79	3736571.95	7.14730	(16120224)	399242.79	3736571.95	7.20593	(16120224)
399262.79	3736571.95	7.24636	(16120224)	399282.79	3736571.95	7.40358	(15091502)
399302.79	3736571.95	7.66745	(15091502)	399322.79	3736571.95	7.91570	(15091502)
399342.79	3736571.95	8.15169	(15091502)	399362.79	3736571.95	8.35330	(15091502)
399382.79	3736571.95	8.58079	(15091502)	399402.79	3736571.95	8.79349	(15091502)
399422.79	3736571.95	8.98518	(15091502)	399442.79	3736571.95	9.15717	(15091502)
399462.79	3736571.95	9.34733	(15091502)	399482.79	3736571.95	9.53856	(12020719)
399502.79	3736571.95	9.74610	(12020719)	399522.79	3736571.95	9.90673	(12020719)
399542.79	3736571.95	10.06641	(12101804)	399562.79	3736571.95	10.37128	(12101804)
399582.79	3736571.95	10.62698	(12101804)	399602.79	3736571.95	10.72498	(12101804)
399622.79	3736571.95	11.00175	(15100321)	399642.79	3736571.95	11.45115	(15100321)
399662.79	3736571.95	11.76964	(15100321)	399682.79	3736571.95	11.96446	(15100321)
399702.79	3736571.95	12.01074	(13050424)	399722.79	3736571.95	12.10978	(13050424)
399742.79	3736571.95	12.07732	(13050424)	399762.79	3736571.95	12.49998	(12020718)
399782.79	3736571.95	13.11336	(12020718)	399802.79	3736571.95	13.62621	(12020718)
399822.79	3736571.95	14.07351	(12020718)	399842.79	3736571.95	14.36293	(16091818)
399862.79	3736571.95	14.55194	(16091818)	399882.79	3736571.95	14.77689	(16122319)
399902.79	3736571.95	14.97455	(16122319)	399922.79	3736571.95	15.30379	(16062022)
399942.79	3736571.95	15.94601	(16062022)	399962.79	3736571.95	16.34120	(16062022)

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        399982.79   3736571.95       16.57654  (16062021)                400002.79
3736571.95       16.86496  (16062021)
        400022.79   3736571.95       17.14091  (16122322)                400042.79
3736571.95       17.51677  (16030605)
        400062.79   3736571.95       17.72343  (16030605)                400082.79
3736571.95       17.51875  (16030605)
        400102.79   3736571.95       17.10478  (15030118)                400122.79
3736571.95       17.52201  (16030606)
        400142.79   3736571.95       18.19429  (16030606)                400162.79
3736571.95       18.40965  (16030606)
        400182.79   3736571.95       18.27762  (16062019)                398682.79
3736591.95        4.53237  (16112024)
        398702.79   3736591.95        4.69399  (16112024)                398722.79
3736591.95        4.75410  (16112024)
        398742.79   3736591.95        4.81304  (16112024)                398762.79
3736591.95        4.87046  (16112024)
        398782.79   3736591.95        4.92614  (16112024)                398802.79
3736591.95        4.97987  (16112024)
        398822.79   3736591.95        5.06290  (15012617)                398842.79
3736591.95        5.08030  (15012617)
        398862.79   3736591.95        5.04196  (15012617)                398882.79
3736591.95        5.29572  (15012617)
        398902.79   3736591.95        5.38380  (16120224)                398922.79
3736591.95        5.49788  (16120224)
        398942.79   3736591.95        5.62083  (16120224)                398962.79
3736591.95        5.71510  (16120224)
        398982.79   3736591.95        5.85377  (16120224)                399002.79
3736591.95        5.96907  (16120224)
        399022.79   3736591.95        6.09173  (16120224)                399042.79
3736591.95        6.18285  (16120224)
        399062.79   3736591.95        6.27936  (16120224)                399082.79
3736591.95        6.38004  (16120224)
        399102.79   3736591.95        6.47405  (16120224)                399122.79
3736591.95        6.56648  (16120224)
        399142.79   3736591.95        6.65234  (16120224)                399162.79
3736591.95        6.73525  (16120224)
        399182.79   3736591.95        6.82594  (16120224)                399202.79
3736591.95        6.89823  (16120224)
        399222.79   3736591.95        6.94922  (16120224)                399242.79
3736591.95        7.06590  (14051901)
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                      ***        10:15:03

                                  PAGE 176
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
```

INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
399262.79	3736591.95	7.24742	(15091502)	399282.79	3736591.95	7.49579	(15091502)
399302.79	3736591.95	7.73065	(15091502)	399322.79	3736591.95	7.95049	(15091502)
399342.79	3736591.95	8.14405	(15091502)	399362.79	3736591.95	8.33117	(15091502)
399382.79	3736591.95	8.52316	(15091502)	399402.79	3736591.95	8.69219	(15091502)
399422.79	3736591.95	8.83544	(15091502)	399442.79	3736591.95	8.96487	(15091502)
399462.79	3736591.95	9.16209	(12020719)	399482.79	3736591.95	9.35973	(12020719)
399502.79	3736591.95	9.51074	(12020719)	399522.79	3736591.95	9.69443	(12101804)
399542.79	3736591.95	9.97838	(12101804)	399562.79	3736591.95	10.23233	(12101804)
399582.79	3736591.95	10.44606	(15100321)	399602.79	3736591.95	10.71539	(15100321)
399622.79	3736591.95	10.90810	(15100321)	399642.79	3736591.95	10.98666	(15100321)
399662.79	3736591.95	11.33706	(15100321)	399682.79	3736591.95	11.56468	(13050424)
399702.79	3736591.95	11.65142	(13050424)	399722.79	3736591.95	11.61469	(13050424)
399742.79	3736591.95	11.84822	(12020718)	399762.79	3736591.95	12.43876	(12020718)
399782.79	3736591.95	12.97078	(12020718)	399802.79	3736591.95	13.40246	(12020718)
399822.79	3736591.95	13.69940	(16091818)	399842.79	3736591.95	13.92035	(16091818)
399862.79	3736591.95	13.94773	(16091818)	399882.79	3736591.95	14.18885	(16122319)
399902.79	3736591.95	14.34448	(14121120)	399922.79	3736591.95	15.01005	(16062022)
399942.79	3736591.95	15.46644	(16062022)	399962.79	3736591.95	15.72270	(16062022)
399982.79	3736591.95	16.07383	(16062021)	400002.79	3736591.95	16.16374	(16062021)

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3736591.95       16.79907  (16030605)
        400062.79   3736591.95       16.86976  (16030605)                400082.79
3736591.95       16.56811  (16030605)
        400102.79   3736591.95       16.45690  (15030118)                400122.79
3736591.95       16.81049  (16030606)
        400142.79   3736591.95       17.35639  (16030606)                400162.79
3736591.95       17.49455  (16030606)
        400182.79   3736591.95       17.34006  (16062019)                398682.79
3736611.95        4.62152  (16112024)
        398702.79   3736611.95        4.67820  (16112024)                398722.79
3736611.95        4.72943  (16112024)
        398742.79   3736611.95        4.78100  (16112024)                398762.79
3736611.95        4.83067  (16112024)
        398782.79   3736611.95        4.91108  (15012617)                398802.79
3736611.95        4.99323  (15012617)
        398822.79   3736611.95        5.07016  (15012617)                398842.79
3736611.95        5.03983  (15012617)
        398862.79   3736611.95        5.13288  (16120224)                398882.79
3736611.95        5.32863  (16120224)
        398902.79   3736611.95        5.43457  (16120224)                398922.79
3736611.95        5.55085  (16120224)
        398942.79   3736611.95        5.65533  (16120224)                398962.79
3736611.95        5.72726  (16120224)
        398982.79   3736611.95        5.85414  (16120224)                399002.79
3736611.95        5.95133  (16120224)
        399022.79   3736611.95        6.05802  (16120224)                399042.79
3736611.95        6.15772  (16120224)
        399062.79   3736611.95        6.23097  (16120224)                399082.79
3736611.95        6.29855  (16120224)
        399102.79   3736611.95        6.38130  (16120224)                399122.79
3736611.95        6.45574  (16120224)
        399142.79   3736611.95        6.52255  (16120224)                399162.79
3736611.95        6.58256  (16120224)
        399182.79   3736611.95        6.64768  (16120224)                399202.79
3736611.95        6.79201  (14051901)
        399222.79   3736611.95        6.91276  (14051901)                399242.79
3736611.95        7.09665  (15091502)
        399262.79   3736611.95        7.31749  (15091502)                399282.79
3736611.95        7.54687  (15091502)
        399302.79   3736611.95        7.75176  (15091502)                399322.79
3736611.95        7.94767  (15091502)
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                                   ***        10:15:03

                                  PAGE 177
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
399342.79	3736611.95	8.11427	(15091502)	399362.79	3736611.95	8.25748	(15091502)
399382.79	3736611.95	8.40841	(15091502)	399402.79	3736611.95	8.53709	(15091502)
399422.79	3736611.95	8.64380	(15091502)	399442.79	3736611.95	8.81601	(12020719)
399462.79	3736611.95	8.96276	(12020719)	399482.79	3736611.95	9.10518	(13122617)
399502.79	3736611.95	9.35571	(13122617)	399522.79	3736611.95	9.59844	(12101804)
399542.79	3736611.95	9.80265	(12101804)	399562.79	3736611.95	10.05759	(15100321)
399582.79	3736611.95	10.33288	(15100321)	399602.79	3736611.95	10.57133	(15100321)
399622.79	3736611.95	10.77032	(15100321)	399642.79	3736611.95	10.87496	(15100321)
399662.79	3736611.95	10.83105	(13050424)	399682.79	3736611.95	11.00288	(13050424)
399702.79	3736611.95	11.16110	(13050424)	399722.79	3736611.95	11.29413	(14121617)
399742.79	3736611.95	11.81162	(12020718)	399762.79	3736611.95	12.29471	(12020718)
399782.79	3736611.95	12.72196	(12020718)	399802.79	3736611.95	13.07129	(16091818)
399822.79	3736611.95	13.28981	(16091818)	399842.79	3736611.95	13.37515	(16091818)
399862.79	3736611.95	13.43506	(16122319)	399882.79	3736611.95	13.61364	(14121120)
399902.79	3736611.95	14.04533	(14121120)	399922.79	3736611.95	14.59031	(16062022)
399942.79	3736611.95	14.92429	(16062022)	399962.79	3736611.95	15.18069	(16062021)
399982.79	3736611.95	15.47261	(16062021)	400002.79	3736611.95	15.66504	(15060921)
400022.79	3736611.95	15.88594	(15060921)	400042.79	3736611.95	16.08730	(16030605)

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        400062.79   3736611.95       16.04648  (16030605)               400082.79
3736611.95       15.92884  (15030118)
        400102.79   3736611.95       15.82169  (15030118)               400122.79
3736611.95       16.12863  (16030606)
        400142.79   3736611.95       16.57257  (16030606)               400162.79
3736611.95       16.64328  (16030606)
        400182.79   3736611.95       16.54907  (16062019)               398682.79
3736631.95        4.60051  (16112024)
        398702.79   3736631.95        4.64187  (16112024)               398722.79
3736631.95        4.68705  (16112024)
        398742.79   3736631.95        4.76532  (15012617)               398762.79
3736631.95        4.84270  (15012617)
        398782.79   3736631.95        4.92142  (15012617)               398802.79
3736631.95        4.99794  (15012617)
        398822.79   3736631.95        5.05064  (15012617)               398842.79
3736631.95        5.00298  (16120224)
        398862.79   3736631.95        5.23701  (16120224)               398882.79
3736631.95        5.36172  (16120224)
        398902.79   3736631.95        5.45878  (16120224)               398922.79
3736631.95        5.56292  (16120224)
        398942.79   3736631.95        5.64456  (16120224)               398962.79
3736631.95        5.71797  (16120224)
        398982.79   3736631.95        5.82365  (16120224)               399002.79
3736631.95        5.90683  (16120224)
        399022.79   3736631.95        5.99552  (16120224)               399042.79
3736631.95        6.07611  (16120224)
        399062.79   3736631.95        6.15058  (16120224)               399082.79
3736631.95        6.22275  (16120224)
        399102.79   3736631.95        6.26350  (16120224)               399122.79
3736631.95        6.31579  (16120224)
        399142.79   3736631.95        6.37850  (14051901)               399162.79
3736631.95        6.52975  (14051901)
        399182.79   3736631.95        6.65657  (14051901)               399202.79
3736631.95        6.77240  (14051901)
        399222.79   3736631.95        6.95302  (15091502)               399242.79
3736631.95        7.14551  (15091502)
        399262.79   3736631.95        7.34954  (15091502)               399282.79
3736631.95        7.54898  (15091502)
        399302.79   3736631.95        7.71840  (15091502)               399322.79
3736631.95        7.87664  (15091502)
        399342.79   3736631.95        8.02767  (15091502)               399362.79
3736631.95        8.13315  (15091502)
        399382.79   3736631.95        8.23745  (15091502)               399402.79
3736631.95        8.33277  (12020719)
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                                   ***        10:15:03
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
399422.79	3736631.95	8.49425	(12020719)	399442.79	3736631.95	8.63728	(13122617)
399462.79	3736631.95	8.83656	(13122617)	399482.79	3736631.95	9.01508	(13122617)
399502.79	3736631.95	9.22749	(13122617)	399522.79	3736631.95	9.42559	(12101804)
399542.79	3736631.95	9.69220	(15100321)	399562.79	3736631.95	9.96854	(15100321)
399582.79	3736631.95	10.15476	(15100321)	399602.79	3736631.95	10.34223	(15100321)
399622.79	3736631.95	10.48915	(15100321)	399642.79	3736631.95	10.63534	(13050424)
399662.79	3736631.95	10.71381	(13050424)	399682.79	3736631.95	10.65861	(13050424)
399702.79	3736631.95	10.67089	(14121617)	399722.79	3736631.95	11.24944	(12101803)
399742.79	3736631.95	11.70746	(12101803)	399762.79	3736631.95	12.16331	(12101803)
399782.79	3736631.95	12.45673	(16091818)	399802.79	3736631.95	12.70969	(16091818)
399822.79	3736631.95	12.80888	(16091818)	399842.79	3736631.95	12.77278	(16091818)
399862.79	3736631.95	12.88877	(16122319)	399882.79	3736631.95	13.38647	(14121120)
399902.79	3736631.95	13.75098	(16062022)	399922.79	3736631.95	14.13439	(16062022)
399942.79	3736631.95	14.37212	(16062021)	399962.79	3736631.95	14.67994	(16062021)
399982.79	3736631.95	14.82758	(16062021)	400002.79	3736631.95	15.17325	(15060921)
400022.79	3736631.95	15.28558	(15060921)	400042.79	3736631.95	15.38896	(16030605)
400062.79	3736631.95	15.25085	(16030605)	400082.79	3736631.95	15.33681	(15030118)

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        400102.79   3736631.95       15.20328  (15030118)                400122.79
3736631.95       15.47635  (16030606)
        400142.79   3736631.95       15.87972  (16030606)                400162.79
3736631.95       15.86456  (16030606)
        400182.79   3736631.95       15.70684  (16062019)                398682.79
3736651.95        4.55123  (15012617)
        398702.79   3736651.95        4.63165  (15012617)                398722.79
3736651.95        4.69879  (15012617)
        398742.79   3736651.95        4.77148  (15012617)                398762.79
3736651.95        4.84302  (15012617)
        398782.79   3736651.95        4.91322  (15012617)                398802.79
3736651.95        4.99102  (16120224)
        398822.79   3736651.95        5.05507  (16120224)                398842.79
3736651.95        4.98298  (16120224)
        398862.79   3736651.95        5.26333  (16120224)                398882.79
3736651.95        5.36635  (16120224)
        398902.79   3736651.95        5.45354  (16120224)                398922.79
3736651.95        5.53702  (16120224)
        398942.79   3736651.95        5.59968  (16120224)                398962.79
3736651.95        5.68795  (16120224)
        398982.79   3736651.95        5.76763  (16120224)                399002.79
3736651.95        5.84642  (16120224)
        399022.79   3736651.95        5.91019  (16120224)                399042.79
3736651.95        5.97802  (16120224)
        399062.79   3736651.95        6.03979  (16120224)                399082.79
3736651.95        6.09401  (16120224)
        399102.79   3736651.95        6.16159  (14051901)                399122.79
3736651.95        6.27621  (14051901)
        399142.79   3736651.95        6.40325  (14051901)                399162.79
3736651.95        6.51583  (14051901)
        399182.79   3736651.95        6.62952  (15091502)                399202.79
3736651.95        6.81083  (15091502)
        399222.79   3736651.95        6.97512  (15091502)                399242.79
3736651.95        7.17743  (15091502)
        399262.79   3736651.95        7.35688  (15091502)                399282.79
3736651.95        7.51871  (15091502)
        399302.79   3736651.95        7.65712  (15091502)                399322.79
3736651.95        7.78483  (15091502)
        399342.79   3736651.95        7.90797  (15091502)                399362.79
3736651.95        7.98818  (15091502)
        399382.79   3736651.95        8.04893  (12020719)                399402.79
3736651.95        8.18394  (13122617)
        399422.79   3736651.95        8.39259  (13122617)                399442.79
3736651.95        8.57475  (13122617)
        399462.79   3736651.95        8.73571  (13122617)                399482.79
3736651.95        8.91907  (13122617)
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                                   ***        10:15:03
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
399502.79	3736651.95	9.05958	(15100321)	399522.79	3736651.95	9.34344	(15100321)
399542.79	3736651.95	9.61546	(15100321)	399562.79	3736651.95	9.79463	(15100321)
399582.79	3736651.95	9.94530	(15100321)	399602.79	3736651.95	10.08350	(13050424)
399622.79	3736651.95	10.24468	(13050424)	399642.79	3736651.95	10.32635	(13050424)
399662.79	3736651.95	10.38278	(14121617)	399682.79	3736651.95	10.54783	(14121617)
399702.79	3736651.95	10.77334	(12101803)	399722.79	3736651.95	11.06645	(12101803)
399742.79	3736651.95	11.44723	(12101803)	399762.79	3736651.95	11.89729	(12101803)
399782.79	3736651.95	12.13802	(16091818)	399802.79	3736651.95	12.28554	(16091818)
399822.79	3736651.95	12.29436	(16091818)	399842.79	3736651.95	12.25171	(16122319)
399862.79	3736651.95	12.67020	(14121120)	399882.79	3736651.95	13.05056	(14121120)
399902.79	3736651.95	13.34511	(16062022)	399922.79	3736651.95	13.65437	(16062022)
399942.79	3736651.95	13.96842	(16062021)	399962.79	3736651.95	14.18504	(16062021)
399982.79	3736651.95	14.34793	(15060921)	400002.79	3736651.95	14.66933	(15060921)
400022.79	3736651.95	14.68978	(15060921)	400042.79	3736651.95	14.70932	(16030605)
400062.79	3736651.95	14.77028	(15030118)	400082.79	3736651.95	14.78710	(15030118)
400102.79	3736651.95	14.60459	(15030118)	400122.79	3736651.95	14.85631	(16030606)

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        400142.79   3736651.95       15.13874  (16030606)                400162.79
3736651.95       15.18400  (16030606)
        400182.79   3736651.95       14.95699  (16062019)                398682.79
3736671.95        4.56003  (15012617)
        398702.79   3736671.95        4.62804  (15012617)                398722.79
3736671.95        4.69498  (15012617)
        398742.79   3736671.95        4.76063  (15012617)                398762.79
3736671.95        4.82036  (16120224)
        398782.79   3736671.95        4.91670  (16120224)                398802.79
3736671.95        5.00420  (16120224)
        398822.79   3736671.95        5.03169  (16120224)                398842.79
3736671.95        5.04852  (16120224)
        398862.79   3736671.95        5.23229  (16120224)                398882.79
3736671.95        5.33733  (16120224)
        398902.79   3736671.95        5.41925  (16120224)                398922.79
3736671.95        5.49022  (16120224)
        398942.79   3736671.95        5.53984  (16120224)                398962.79
3736671.95        5.63002  (16120224)
        398982.79   3736671.95        5.68950  (16120224)                399002.79
3736671.95        5.75928  (16120224)
        399022.79   3736671.95        5.80179  (16120224)                399042.79
3736671.95        5.86288  (14041701)
        399062.79   3736671.95        5.94029  (14041701)                399082.79
3736671.95        6.05841  (14051901)
        399102.79   3736671.95        6.16737  (14051901)                399122.79
3736671.95        6.27949  (14051901)
        399142.79   3736671.95        6.38196  (14051901)                399162.79
3736671.95        6.48796  (15091502)
        399182.79   3736671.95        6.65979  (15091502)                399202.79
3736671.95        6.81758  (15091502)
        399222.79   3736671.95        7.00018  (15091502)                399242.79
3736671.95        7.14902  (15091502)
        399262.79   3736671.95        7.29535  (15091502)                399282.79
3736671.95        7.42513  (15091502)
        399302.79   3736671.95        7.55112  (15091502)                399322.79
3736671.95        7.65549  (15091502)
        399342.79   3736671.95        7.73061  (15091502)                399362.79
3736671.95        7.80462  (13122617)
        399382.79   3736671.95        7.99877  (13122617)                399402.79
3736671.95        8.17482  (13122617)
        399422.79   3736671.95        8.32282  (13122617)                399442.79
3736671.95        8.46130  (13122617)
        399462.79   3736671.95        8.61591  (13122617)                399482.79
3736671.95        8.74958  (15100321)
        399502.79   3736671.95        9.01850  (15100321)                399522.79
3736671.95        9.24340  (15100321)
        399542.79   3736671.95        9.44395  (15100321)                399562.79
3736671.95        9.57762  (15100321)
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
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 *** AERMET - VERSION  16216 ***   ***
                        ***        10:15:03

                                   PAGE 180
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                   INCLUDING SOURCE(S):     STCK1       ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                         ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
        399582.79   3736671.95        9.74137  (13050424)                399602.79
3736671.95        9.96238  (13050424)
        399622.79   3736671.95       10.00371  (13050424)                399642.79
3736671.95       10.04645  (14121617)
        399662.79   3736671.95       10.20569  (14121617)                399682.79
3736671.95       10.36146  (12101803)
        399702.79   3736671.95       10.74127  (12101803)                399722.79
3736671.95       11.09542  (12101803)
        399742.79   3736671.95       11.23724  (12101803)                399762.79
3736671.95       11.33855  (16091818)
        399782.79   3736671.95       11.66321  (16091818)                399802.79
3736671.95       11.78316  (16091818)
        399822.79   3736671.95       11.75091  (16091818)                399842.79
3736671.95       12.05062  (14121120)
        399862.79   3736671.95       12.44467  (14121120)                399882.79
3736671.95       12.66010  (14121120)
        399902.79   3736671.95       12.94333  (16062022)                399922.79
3736671.95       13.28373  (16062021)
        399942.79   3736671.95       13.57784  (16062021)                399962.79
3736671.95       13.69273  (16062021)
        399982.79   3736671.95       13.96981  (15060921)                400002.79
3736671.95       14.16348  (15060921)
        400022.79   3736671.95       14.09617  (15060921)                400042.79
3736671.95       14.06562  (15030118)
        400062.79   3736671.95       14.31666  (15030118)                400082.79
3736671.95       14.27039  (15030118)
        400102.79   3736671.95       13.94380  (15030118)                400122.79
3736671.95       14.22495  (16030606)
        400142.79   3736671.95       14.47136  (16030606)                400162.79
3736671.95       14.43590  (16062019)
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        400182.79   3736671.95       14.24285  (16062019)              398682.79
3736691.95        4.55606  (15012617)
        398702.79   3736691.95        4.61489  (15012617)              398722.79
3736691.95        4.67491  (15012617)
        398742.79   3736691.95        4.75433  (16120224)              398762.79
3736691.95        4.83843  (16120224)
        398782.79   3736691.95        4.92153  (16120224)              398802.79
3736691.95        4.99584  (16120224)
        398822.79   3736691.95        4.95674  (16120224)              398842.79
3736691.95        5.10469  (16120224)
        398862.79   3736691.95        5.20825  (16120224)              398882.79
3736691.95        5.28607  (16120224)
        398902.79   3736691.95        5.36216  (16120224)              398922.79
3736691.95        5.42141  (16120224)
        398942.79   3736691.95        5.46555  (16120224)              398962.79
3736691.95        5.53693  (16120224)
        398982.79   3736691.95        5.61370  (14041701)              399002.79
3736691.95        5.68332  (14041701)
        399022.79   3736691.95        5.74157  (14041701)              399042.79
3736691.95        5.83956  (14051901)
        399062.79   3736691.95        5.94818  (14051901)              399082.79
3736691.95        6.04370  (14051901)
        399102.79   3736691.95        6.14336  (14051901)              399122.79
3736691.95        6.23884  (14051901)
        399142.79   3736691.95        6.34328  (15091502)              399162.79
3736691.95        6.50944  (15091502)
        399182.79   3736691.95        6.65738  (15091502)              399202.79
3736691.95        6.80486  (15091502)
        399222.79   3736691.95        6.96710  (15091502)              399242.79
3736691.95        7.09141  (15091502)
        399262.79   3736691.95        7.20880  (15091502)              399282.79
3736691.95        7.30956  (15091502)
        399302.79   3736691.95        7.40103  (15091502)              399322.79
3736691.95        7.46836  (15091502)
        399342.79   3736691.95        7.62487  (13122617)              399362.79
3736691.95        7.79941  (13122617)
        399382.79   3736691.95        7.96879  (13122617)              399402.79
3736691.95        8.12662  (13122617)
        399422.79   3736691.95        8.24055  (13122617)              399442.79
3736691.95        8.32428  (13122617)
        399462.79   3736691.95        8.47378  (15091503)              399482.79
3736691.95        8.69564  (15100321)
        399502.79   3736691.95        8.90748  (15100321)              399522.79
3736691.95        9.09383  (15100321)
        399542.79   3736691.95        9.25452  (15100321)              399562.79
3736691.95        9.44546  (13050424)
        399582.79   3736691.95        9.59480  (13050424)              399602.79
3736691.95        9.70578  (13050424)
        399622.79   3736691.95        9.74667  (14121617)              399642.79
3736691.95        9.87582  (14121617)
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```
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     STCK1       ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
        399662.79   3736691.95       10.01119  (14121119)                399682.79
3736691.95       10.30371  (12101803)
        399702.79   3736691.95       10.63294  (12101803)                399722.79
3736691.95       10.92156  (12101803)
        399742.79   3736691.95       11.10825  (12101803)                399762.79
3736691.95       11.20910  (16091818)
        399782.79   3736691.95       11.11337  (16091818)                399802.79
3736691.95       11.16690  (16091818)
        399822.79   3736691.95       11.46145  (14121120)                399842.79
3736691.95       11.88068  (14121120)
        399862.79   3736691.95       12.14560  (14121120)                399882.79
3736691.95       12.27718  (14121120)
        399902.79   3736691.95       12.58023  (16062021)                399922.79
3736691.95       12.97978  (16062021)
        399942.79   3736691.95       13.19622  (16062021)                399962.79
3736691.95       13.31502  (15060921)
        399982.79   3736691.95       13.60430  (15060921)                400002.79
3736691.95       13.67317  (15060921)
        400022.79   3736691.95       13.51303  (15060921)                400042.79
3736691.95       13.69006  (15030118)
        400062.79   3736691.95       13.84728  (15030118)                400082.79
3736691.95       13.70021  (15030118)
        400102.79   3736691.95       13.34843  (15030118)                400122.79
3736691.95       13.70669  (16030606)
        400142.79   3736691.95       13.87254  (16030606)                400162.79
3736691.95       13.77488  (16062019)
        400182.79   3736691.95       13.60219  (16062019)                398682.79
3736711.95        4.53654  (15012617)
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        398702.79   3736711.95        4.59975  (16120224)               398722.79
3736711.95        4.67861  (16120224)
        398742.79   3736711.95        4.75647  (16120224)               398762.79
3736711.95        4.83308  (16120224)
        398782.79   3736711.95        4.90593  (16120224)               398802.79
3736711.95        4.96655  (16120224)
        398822.79   3736711.95        4.88645  (16120224)               398842.79
3736711.95        5.09546  (16120224)
        398862.79   3736711.95        5.16051  (16120224)               398882.79
3736711.95        5.22547  (16120224)
        398902.79   3736711.95        5.28038  (16120224)               398922.79
3736711.95        5.34075  (14041701)
        398942.79   3736711.95        5.40709  (14041701)               398962.79
3736711.95        5.47910  (14041701)
        398982.79   3736711.95        5.54252  (14041701)               399002.79
3736711.95        5.63006  (14051901)
        399022.79   3736711.95        5.73934  (14051901)               399042.79
3736711.95        5.83549  (14051901)
        399062.79   3736711.95        5.92683  (14051901)               399082.79
3736711.95        6.00226  (14051901)
        399102.79   3736711.95        6.08751  (14051901)               399122.79
3736711.95        6.19783  (15091502)
        399142.79   3736711.95        6.35003  (15091502)               399162.79
3736711.95        6.49103  (15091502)
        399182.79   3736711.95        6.63290  (15091502)               399202.79
3736711.95        6.76137  (15091502)
        399222.79   3736711.95        6.88259  (15091502)               399242.79
3736711.95        6.98910  (15091502)
        399262.79   3736711.95        7.08363  (15091502)               399282.79
3736711.95        7.15151  (15091502)
        399302.79   3736711.95        7.24440  (13122617)               399322.79
3736711.95        7.42548  (13122617)
        399342.79   3736711.95        7.59156  (13122617)               399362.79
3736711.95        7.75508  (13122617)
        399382.79   3736711.95        7.90124  (13122617)               399402.79
3736711.95        8.00618  (13122617)
        399422.79   3736711.95        8.10435  (15091503)               399442.79
3736711.95        8.22032  (15091503)
        399462.79   3736711.95        8.39603  (15100321)               399482.79
3736711.95        8.59417  (15100321)
        399502.79   3736711.95        8.76882  (15100321)               399522.79
3736711.95        8.90507  (15100321)
        399542.79   3736711.95        9.12669  (13050424)               399562.79
3736711.95        9.27262  (13050424)
        399582.79   3736711.95        9.37334  (13050424)               399602.79
3736711.95        9.47160  (14121617)
        399622.79   3736711.95        9.55499  (14121617)               399642.79
3736711.95        9.70082  (14121119)
        399662.79   3736711.95        9.89145  (12101803)               399682.79
3736711.95       10.20063  (12101803)
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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
399742.79	3736711.95	10.88109	(12101803)	399762.79	3736711.95	10.92849	(16091818)
399782.79	3736711.95	10.85630	(16091818)	399802.79	3736711.95	10.70494	(14121120)
399822.79	3736711.95	11.06993	(14121120)	399842.79	3736711.95	11.58444	(14121120)
399862.79	3736711.95	11.83162	(14121120)	399882.79	3736711.95	11.94601	(16062022)
399902.79	3736711.95	12.32923	(16062021)	399922.79	3736711.95	12.60421	(16062021)
399942.79	3736711.95	12.72440	(16062021)	399962.79	3736711.95	12.96530	(15060921)
399982.79	3736711.95	13.14943	(15060921)	400002.79	3736711.95	13.13681	(15060921)
400022.79	3736711.95	12.98623	(15030118)	400042.79	3736711.95	13.28308	(15030118)
400062.79	3736711.95	13.31414	(15030118)	400082.79	3736711.95	13.14730	(15030118)
400102.79	3736711.95	12.92951	(15030118)	400122.79	3736711.95	13.22113	(16030606)
400142.79	3736711.95	13.29515	(16030606)	400162.79	3736711.95	13.20666	(16062019)
400182.79	3736711.95	13.03306	(16122324)	398682.79	3736731.95	4.53091	(16120224)
398702.79	3736731.95	4.59997	(16120224)	398722.79	3736731.95	4.67188	(16120224)

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        398742.79   3736731.95        4.74230  (16120224)               398762.79
3736731.95        4.81057  (16120224)
        398782.79   3736731.95        4.87725  (16120224)               398802.79
3736731.95        4.90919  (16120224)
        398822.79   3736731.95        4.85614  (16120224)               398842.79
3736731.95        5.04202  (14041701)
        398862.79   3736731.95        5.11355  (14041701)               398882.79
3736731.95        5.18568  (14041701)
        398902.79   3736731.95        5.24417  (14041701)               398922.79
3736731.95        5.29319  (14041701)
        398942.79   3736731.95        5.37661  (14041701)               398962.79
3736731.95        5.43182  (14051901)
        398982.79   3736731.95        5.52811  (14051901)               399002.79
3736731.95        5.62238  (14051901)
        399022.79   3736731.95        5.70948  (14051901)               399042.79
3736731.95        5.80282  (14051901)
        399062.79   3736731.95        5.88130  (14051901)               399082.79
3736731.95        5.95263  (13050521)
        399102.79   3736731.95        6.06850  (15091502)               399122.79
3736731.95        6.20147  (15091502)
        399142.79   3736731.95        6.33111  (15091502)               399162.79
3736731.95        6.43855  (15091502)
        399182.79   3736731.95        6.56711  (15091502)               399202.79
3736731.95        6.68555  (15091502)
        399222.79   3736731.95        6.77510  (15091502)               399242.79
3736731.95        6.85492  (15091502)
        399262.79   3736731.95        6.90914  (15091502)               399282.79
3736731.95        7.04643  (13122617)
        399302.79   3736731.95        7.22955  (13122617)               399322.79
3736731.95        7.40241  (13122617)
        399342.79   3736731.95        7.54854  (13122617)               399362.79
3736731.95        7.67455  (13122617)
        399382.79   3736731.95        7.77860  (13122617)               399402.79
3736731.95        7.88093  (15091503)
        399422.79   3736731.95        7.97804  (15091503)               399442.79
3736731.95        8.12537  (15100321)
        399462.79   3736731.95        8.29950  (15100321)               399482.79
3736731.95        8.45295  (15100321)
        399502.79   3736731.95        8.58466  (13050424)               399522.79
3736731.95        8.78439  (13050424)
        399542.79   3736731.95        8.94838  (13050424)               399562.79
3736731.95        9.04409  (13050424)
        399582.79   3736731.95        9.20031  (14121617)               399602.79
3736731.95        9.26538  (14121617)
        399622.79   3736731.95        9.37133  (14121119)               399642.79
3736731.95        9.51402  (12101803)
        399662.79   3736731.95        9.81076  (12101803)               399682.79
3736731.95       10.08248  (12101803)
        399702.79   3736731.95       10.20104  (12101803)               399722.79
3736731.95       10.44268  (12101803)
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        399742.79   3736731.95       10.55769  (16091818)                399762.79
3736731.95       10.52206  (16091818)
        399782.79   3736731.95       10.42881  (16091818)                399802.79
3736731.95       10.74662  (14121120)
↑ *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                        ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                        ***        10:15:03

                                   PAGE 183
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                   INCLUDING SOURCE(S):     STCK1       ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                         ** CONC OF PM_10    IN MICROGRAMS/M**3
                    **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
        399822.79   3736731.95       11.06344  (14121120)                399842.79
3736731.95       11.17944  (14121120)
        399862.79   3736731.95       11.43674  (14121120)                399882.79
3736731.95       11.70107  (16062021)
        399902.79   3736731.95       12.07435  (16062021)                399922.79
3736731.95       12.23060  (16062021)
        399942.79   3736731.95       12.34072  (15060921)                399962.79
3736731.95       12.61863  (15060921)
        399982.79   3736731.95       12.71116  (15060921)                400002.79
3736731.95       12.62307  (15060921)
        400022.79   3736731.95       12.65737  (15030118)                400042.79
3736731.95       12.87742  (15030118)
        400062.79   3736731.95       12.82881  (15030118)                400082.79
3736731.95       12.70647  (15030118)
        400102.79   3736731.95       12.43396  (15030118)                400122.79
3736731.95       12.66949  (16030606)
        400142.79   3736731.95       12.75330  (16030606)                400162.79
3736731.95       12.66037  (16062019)
        400182.79   3736731.95       12.68745  (16122324)                398682.79
3736751.95        4.51913  (16120224)
        398702.79   3736751.95        4.58526  (16120224)                398722.79
3736751.95        4.64978  (16120224)
        398742.79   3736751.95        4.71240  (16120224)                398762.79
3736751.95        4.77286  (16120224)
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        398782.79   3736751.95        4.83407  (14041701)              398802.79
3736751.95        4.80875  (14041701)
        398822.79   3736751.95        4.86905  (14041701)              398842.79
3736751.95        5.02025  (14041701)
        398862.79   3736751.95        5.08687  (14041701)              398882.79
3736751.95        5.14154  (14041701)
        398902.79   3736751.95        5.19103  (14041701)              398922.79
3736751.95        5.23821  (14051901)
        398942.79   3736751.95        5.35641  (14051901)              398962.79
3736751.95        5.43982  (14051901)
        398982.79   3736751.95        5.51915  (14051901)              399002.79
3736751.95        5.59901  (14051901)
        399022.79   3736751.95        5.66929  (14051901)              399042.79
3736751.95        5.73599  (14051901)
        399062.79   3736751.95        5.82643  (13050521)              399082.79
3736751.95        5.93033  (15091502)
        399102.79   3736751.95        6.05645  (15091502)              399122.79
3736751.95        6.17076  (15091502)
        399142.79   3736751.95        6.27214  (15091502)              399162.79
3736751.95        6.38038  (15091502)
        399182.79   3736751.95        6.47222  (15091502)              399202.79
3736751.95        6.57182  (15091502)
        399222.79   3736751.95        6.64343  (15091502)              399242.79
3736751.95        6.69619  (13122617)
        399262.79   3736751.95        6.86498  (13122617)              399282.79
3736751.95        7.03034  (13122617)
        399302.79   3736751.95        7.18816  (13122617)              399322.79
3736751.95        7.34047  (13122617)
        399342.79   3736751.95        7.46985  (13122617)              399362.79
3736751.95        7.56623  (15091503)
        399382.79   3736751.95        7.66717  (15091503)              399402.79
3736751.95        7.73746  (15091503)
        399422.79   3736751.95        7.85920  (15100321)              399442.79
3736751.95        8.03742  (15100321)
        399462.79   3736751.95        8.16785  (14072506)              399482.79
3736751.95        8.30477  (13050424)
        399502.79   3736751.95        8.46782  (13050424)              399522.79
3736751.95        8.60450  (13050424)
        399542.79   3736751.95        8.72925  (13050424)              399562.79
3736751.95        8.89750  (14121617)
        399582.79   3736751.95        9.04507  (14121617)              399602.79
3736751.95        9.11495  (14121119)
        399622.79   3736751.95        9.21500  (14121119)              399642.79
3736751.95        9.43611  (12101803)
        399662.79   3736751.95        9.70016  (12101803)              399682.79
3736751.95        9.93528  (12101803)
        399702.79   3736751.95       10.05789  (12101803)              399722.79
3736751.95       10.12256  (12101803)
        399742.79   3736751.95       10.15346  (16091818)              399762.79
3736751.95       10.11155  (16091818)
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
399902.79	3736751.95	11.67612	(16062021)	399922.79	3736751.95	11.79330	(16062021)
399942.79	3736751.95	12.03896	(15060921)	399962.79	3736751.95	12.24650	(15060921)
399982.79	3736751.95	12.24914	(15060921)	400002.79	3736751.95	12.09691	(15060921)
400022.79	3736751.95	12.24345	(15030118)	400042.79	3736751.95	12.39858	(15030118)
400062.79	3736751.95	12.39140	(15030118)	400082.79	3736751.95	12.31328	(15030118)
400102.79	3736751.95	11.95495	(16030606)	400122.79	3736751.95	12.32364	(16030606)
400142.79	3736751.95	12.24242	(16030606)	400162.79	3736751.95	12.14673	(16062019)
400182.79	3736751.95	12.35193	(16122324)	398682.79	3736771.95	4.49704	(16120224)
398702.79	3736771.95	4.55595	(16120224)	398722.79	3736771.95	4.61520	(14041701)
398742.79	3736771.95	4.68708	(14041701)	398762.79	3736771.95	4.75697	(14041701)
398782.79	3736771.95	4.81305	(14041701)	398802.79	3736771.95	4.70148	(14041701)

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        398822.79   3736771.95        4.90470  (14041701)               398842.79
3736771.95        4.98426  (14041701)
        398862.79   3736771.95        5.03950  (14041701)               398882.79
3736771.95        5.07982  (14041701)
        398902.79   3736771.95        5.15497  (14051901)               398922.79
3736771.95        5.25007  (14051901)
        398942.79   3736771.95        5.34782  (14051901)               398962.79
3736771.95        5.43582  (14051901)
        398982.79   3736771.95        5.50456  (14051901)               399002.79
3736771.95        5.55349  (14051901)
        399022.79   3736771.95        5.61473  (13050521)               399042.79
3736771.95        5.70518  (13050521)
        399062.79   3736771.95        5.78928  (13050521)               399082.79
3736771.95        5.89832  (15091502)
        399102.79   3736771.95        6.01595  (15091502)               399122.79
3736771.95        6.10755  (15091502)
        399142.79   3736771.95        6.20468  (15091502)               399162.79
3736771.95        6.29224  (15091502)
        399182.79   3736771.95        6.37220  (15091502)               399202.79
3736771.95        6.43301  (12041024)
        399222.79   3736771.95        6.54752  (13122617)               399242.79
3736771.95        6.69361  (13122617)
        399262.79   3736771.95        6.84548  (13122617)               399282.79
3736771.95        6.98542  (13122617)
        399302.79   3736771.95        7.13407  (13122617)               399322.79
3736771.95        7.25478  (13122617)
        399342.79   3736771.95        7.35358  (15091503)               399362.79
3736771.95        7.44935  (15091503)
        399382.79   3736771.95        7.52597  (15091503)               399402.79
3736771.95        7.61009  (15100321)
        399422.79   3736771.95        7.76265  (15100321)               399442.79
3736771.95        7.92648  (14072506)
        399462.79   3736771.95        8.06256  (14072506)               399482.79
3736771.95        8.18988  (13050424)
        399502.79   3736771.95        8.29957  (13050424)               399522.79
3736771.95        8.28651  (13050424)
        399542.79   3736771.95        8.35965  (14121617)               399562.79
3736771.95        8.68277  (14121617)
        399582.79   3736771.95        8.87371  (14121119)               399602.79
3736771.95        8.98451  (14121119)
        399622.79   3736771.95        9.09302  (12101803)               399642.79
3736771.95        9.32475  (12101803)
        399662.79   3736771.95        9.55406  (12101803)               399682.79
3736771.95        9.69333  (12101803)
        399702.79   3736771.95        9.77747  (12101803)               399722.79
3736771.95        9.80081  (16091818)
        399742.79   3736771.95        9.80060  (16091818)               399762.79
3736771.95        9.81113  (14121120)
        399782.79   3736771.95       10.24628  (14121120)               399802.79
3736771.95       10.61808  (14121120)
```

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
399982.79	3736771.95	11.81005	(15060921)	400002.79	3736771.95	11.65055	(15030118)
400022.79	3736771.95	11.89479	(15030118)	400042.79	3736771.95	12.01889	(15030118)
400062.79	3736771.95	12.03945	(15030118)	400082.79	3736771.95	11.85192	(15030118)
400102.79	3736771.95	11.54354	(16030606)	400122.79	3736771.95	11.73774	(16030606)
400142.79	3736771.95	11.76167	(16030606)	400162.79	3736771.95	11.66061	(16062019)
400182.79	3736771.95	12.02911	(16122324)	398682.79	3736791.95	4.48155	(14041701)
398702.79	3736791.95	4.54598	(14041701)	398722.79	3736791.95	4.61242	(14041701)
398742.79	3736791.95	4.67672	(14041701)	398762.79	3736791.95	4.73857	(14041701)
398782.79	3736791.95	4.77102	(14041701)	398802.79	3736791.95	4.64339	(14041701)
398822.79	3736791.95	4.88554	(14041701)	398842.79	3736791.95	4.93010	(14041701)

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        398862.79   3736791.95        5.00123  (14051901)               398882.79
3736791.95        5.07585  (14051901)
        398902.79   3736791.95        5.14897  (14051901)               398922.79
3736791.95        5.24144  (14051901)
        398942.79   3736791.95        5.32176  (14051901)               398962.79
3736791.95        5.39944  (14051901)
        398982.79   3736791.95        5.45067  (14051901)               399002.79
3736791.95        5.52938  (13050521)
        399022.79   3736791.95        5.59935  (13050521)               399042.79
3736791.95        5.66644  (13050521)
        399062.79   3736791.95        5.75569  (15091502)               399082.79
3736791.95        5.86110  (15091502)
        399102.79   3736791.95        5.96050  (15091502)               399122.79
3736791.95        6.02459  (15091502)
        399142.79   3736791.95        6.12244  (12041024)               399162.79
3736791.95        6.20241  (12041024)
        399182.79   3736791.95        6.25850  (12041024)               399202.79
3736791.95        6.40156  (13122617)
        399222.79   3736791.95        6.52382  (13122617)               399242.79
3736791.95        6.66725  (13122617)
        399262.79   3736791.95        6.79429  (13122617)               399282.79
3736791.95        6.92669  (13122617)
        399302.79   3736791.95        7.03927  (13122617)               399322.79
3736791.95        7.13968  (15091503)
        399342.79   3736791.95        7.24089  (15091503)               399362.79
3736791.95        7.31206  (15091503)
        399382.79   3736791.95        7.37002  (15100321)               399402.79
3736791.95        7.53851  (14072506)
        399422.79   3736791.95        7.68978  (14072506)               399442.79
3736791.95        7.81441  (14072506)
        399462.79   3736791.95        7.93943  (13050424)               399482.79
3736791.95        8.03567  (13050424)
        399502.79   3736791.95        8.09962  (13050424)               399522.79
3736791.95        7.97263  (14121617)
        399542.79   3736791.95        8.00739  (14121617)               399562.79
3736791.95        8.32373  (14121119)
        399582.79   3736791.95        8.71362  (14121119)               399602.79
3736791.95        8.77890  (13050520)
        399622.79   3736791.95        8.98340  (12101803)               399642.79
3736791.95        9.20168  (12101803)
        399662.79   3736791.95        9.35058  (12101803)               399682.79
3736791.95        9.43621  (12101803)
        399702.79   3736791.95        9.44282  (12101803)               399722.79
3736791.95        9.46889  (16091818)
        399742.79   3736791.95        9.44235  (16091818)               399762.79
3736791.95        9.77493  (14121120)
        399782.79   3736791.95       10.09617  (14121120)               399802.79
3736791.95       10.38691  (14121120)
        399822.79   3736791.95       10.55438  (14121120)               399842.79
3736791.95       10.57110  (14121120)
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        399862.79   3736791.95       10.71110  (16062021)                399882.79
3736791.95       10.90680  (16062021)
        399902.79   3736791.95       10.92594  (16062021)                399922.79
3736791.95       11.00753  (15060921)
        399942.79   3736791.95       11.18748  (15060921)                399962.79
3736791.95       11.42959  (15060921)
        399982.79   3736791.95       11.37099  (15060921)                400002.79
3736791.95       11.35824  (15030118)
        400022.79   3736791.95       11.57221  (15030118)                400042.79
3736791.95       11.69008  (15030118)
↑ *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                        ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                       ***       10:15:03

                                  PAGE 186
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     STCK1       ,

                                               *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
                    **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
        400062.79   3736791.95       11.64908  (15030118)                400082.79
3736791.95       11.42359  (15030118)
        400102.79   3736791.95       11.14964  (16030606)                400122.79
3736791.95       11.30779  (16030606)
        400142.79   3736791.95       11.39440  (16030606)                400162.79
3736791.95       11.31822  (16122324)
        400182.79   3736791.95       11.72069  (16122324)                398682.79
3736811.95        4.47861  (14041701)
        398702.79   3736811.95        4.53590  (14041701)                398722.79
3736811.95        4.59489  (14041701)
        398742.79   3736811.95        4.65129  (14041701)                398762.79
3736811.95        4.70484  (14041701)
        398782.79   3736811.95        4.69086  (14041701)                398802.79
3736811.95        4.67641  (14041701)
        398822.79   3736811.95        4.84667  (14051901)                398842.79
3736811.95        4.92548  (14051901)
        398862.79   3736811.95        5.00114  (14051901)                398882.79
3736811.95        5.06842  (14051901)
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        398902.79   3736811.95        5.12883  (14051901)               398922.79
3736811.95        5.21934  (14051901)
        398942.79   3736811.95        5.27588  (14051901)               398962.79
3736811.95        5.34203  (13050521)
        398982.79   3736811.95        5.42046  (13050521)               399002.79
3736811.95        5.49643  (13050521)
        399022.79   3736811.95        5.56123  (13050521)               399042.79
3736811.95        5.62896  (15091502)
        399062.79   3736811.95        5.71000  (15091502)               399082.79
3736811.95        5.80527  (12041024)
        399102.79   3736811.95        5.87978  (12041024)               399122.79
3736811.95        5.96803  (12041024)
        399142.79   3736811.95        6.03895  (12041024)               399162.79
3736811.95        6.10728  (13122617)
        399182.79   3736811.95        6.25640  (13122617)               399202.79
3736811.95        6.36876  (13122617)
        399222.79   3736811.95        6.49393  (13122617)               399242.79
3736811.95        6.61074  (13122617)
        399262.79   3736811.95        6.72268  (13122617)               399282.79
3736811.95        6.83895  (15091503)
        399302.79   3736811.95        6.93459  (15091503)               399322.79
3736811.95        7.02512  (15091503)
        399342.79   3736811.95        7.09276  (15091503)               399362.79
3736811.95        7.15747  (14072506)
        399382.79   3736811.95        7.32266  (14072506)               399402.79
3736811.95        7.46103  (14072506)
        399422.79   3736811.95        7.56786  (14072506)               399442.79
3736811.95        7.69506  (13050424)
        399462.79   3736811.95        7.80204  (13050424)               399482.79
3736811.95        7.86686  (14121617)
        399502.79   3736811.95        8.01238  (14121617)               399522.79
3736811.95        8.04063  (14121617)
        399542.79   3736811.95        7.99386  (14121119)               399562.79
3736811.95        8.32139  (14121119)
        399582.79   3736811.95        8.50056  (14121119)               399602.79
3736811.95        8.66301  (12101803)
        399622.79   3736811.95        8.84862  (12101803)               399642.79
3736811.95        9.01264  (12101803)
        399662.79   3736811.95        9.11657  (12101803)               399682.79
3736811.95        9.15040  (12101803)
        399702.79   3736811.95        9.12333  (16091818)               399722.79
3736811.95        9.09967  (16091818)
        399742.79   3736811.95        9.31310  (14121120)               399762.79
3736811.95        9.69222  (14121120)
        399782.79   3736811.95        9.95224  (14121120)               399802.79
3736811.95       10.15222  (14121120)
        399822.79   3736811.95       10.22622  (14121120)               399842.79
3736811.95       10.18474  (14121120)
        399862.79   3736811.95       10.48111  (16062021)               399882.79
3736811.95       10.60346  (16062021)
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        399902.79   3736811.95       10.62278  (15060921)                399922.79
3736811.95       10.89301  (15060921)
        399942.79   3736811.95       10.97268  (15060921)                399962.79
3736811.95       10.86789  (15060921)
        399982.79   3736811.95       10.87333  (12052319)                400002.79
3736811.95       11.09670  (15030118)
        400022.79   3736811.95       11.26805  (15030118)                400042.79
3736811.95       11.38051  (15030118)
        400062.79   3736811.95       11.26581  (15030118)                400082.79
3736811.95       10.99782  (15030118)
        400102.79   3736811.95       10.77305  (16030606)                400122.79
3736811.95       10.89976  (16030606)
🡅 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                        ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                        ***       10:15:03

                                  PAGE 187
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     STCK1       ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
        400142.79   3736811.95       10.88029  (16030606)                400162.79
3736811.95       11.03456  (16122324)
        400182.79   3736811.95       11.44337  (16122324)                398682.79
3736831.95        4.46829  (14041701)
        398702.79   3736831.95        4.51184  (14041701)                398722.79
3736831.95        4.56168  (14041701)
        398742.79   3736831.95        4.61145  (14041701)                398762.79
3736831.95        4.65245  (14041701)
        398782.79   3736831.95        4.59144  (14051901)                398802.79
3736831.95        4.74879  (14051901)
        398822.79   3736831.95        4.84640  (14051901)                398842.79
3736831.95        4.91723  (14051901)
        398862.79   3736831.95        4.98385  (14051901)                398882.79
3736831.95        5.04574  (14051901)
        398902.79   3736831.95        5.09216  (14051901)                398922.79
3736831.95        5.16968  (14051901)
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        398942.79   3736831.95        5.23905  (13050521)               398962.79
3736831.95        5.31566  (13050521)
        398982.79   3736831.95        5.38613  (13050521)               399002.79
3736831.95        5.44449  (13050521)
        399022.79   3736831.95        5.50961  (12041024)               399042.79
3736831.95        5.60219  (12041024)
        399062.79   3736831.95        5.67636  (12041024)               399082.79
3736831.95        5.74988  (12041024)
        399102.79   3736831.95        5.81971  (12041024)               399122.79
3736831.95        5.87591  (12041024)
        399142.79   3736831.95        5.97286  (13122617)               399162.79
3736831.95        6.10514  (13122617)
        399182.79   3736831.95        6.22901  (13122617)               399202.79
3736831.95        6.33506  (13122617)
        399222.79   3736831.95        6.43976  (13122617)               399242.79
3736831.95        6.53406  (13122617)
        399262.79   3736831.95        6.62852  (15091503)               399282.79
3736831.95        6.74293  (15091503)
        399302.79   3736831.95        6.82561  (15091503)               399322.79
3736831.95        6.88057  (15091503)
        399342.79   3736831.95        6.95166  (14072506)               399362.79
3736831.95        7.10487  (14072506)
        399382.79   3736831.95        7.24098  (14072506)               399402.79
3736831.95        7.33951  (14072506)
        399422.79   3736831.95        7.44305  (12041022)               399442.79
3736831.95        7.54303  (13050424)
        399462.79   3736831.95        7.65925  (14121617)               399482.79
3736831.95        7.81415  (14121617)
        399502.79   3736831.95        7.90483  (14121617)               399522.79
3736831.95        7.97993  (14121617)
        399542.79   3736831.95        8.12858  (14121119)               399562.79
3736831.95        8.24294  (14121119)
        399582.79   3736831.95        8.36685  (13050520)               399602.79
3736831.95        8.54647  (12101803)
        399622.79   3736831.95        8.71227  (12101803)               399642.79
3736831.95        8.79524  (12101803)
        399662.79   3736831.95        8.83657  (12101803)               399682.79
3736831.95        8.82902  (12101803)
        399702.79   3736831.95        8.80864  (16091818)               399722.79
3736831.95        8.86478  (14121120)
        399742.79   3736831.95        9.20841  (14121120)               399762.79
3736831.95        9.51205  (14121120)
        399782.79   3736831.95        9.76551  (14121120)               399802.79
3736831.95        9.92354  (14121120)
        399822.79   3736831.95        9.96610  (14121120)               399842.79
3736831.95        9.95430  (16062021)
        399862.79   3736831.95       10.14287  (16062021)               399882.79
3736831.95       10.21862  (16062021)
        399902.79   3736831.95       10.47692  (15060921)               399922.79
3736831.95       10.65796  (15060921)
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
398702.79	3736851.95	4.47439	(14041701)	398722.79	3736851.95	4.51785	(14041701)
398742.79	3736851.95	4.55796	(14041701)	398762.79	3736851.95	4.62053	(14051901)
398782.79	3736851.95	4.54602	(14051901)	398802.79	3736851.95	4.76458	(14051901)
398822.79	3736851.95	4.83287	(14051901)	398842.79	3736851.95	4.89438	(14051901)
398862.79	3736851.95	4.95174	(14051901)	398882.79	3736851.95	4.99536	(14051901)
398902.79	3736851.95	5.05257	(13050521)	398922.79	3736851.95	5.14107	(13050521)
398942.79	3736851.95	5.21124	(13050521)	398962.79	3736851.95	5.27350	(13050521)

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3736851.95        5.55350  (12041024)
        399062.79   3736851.95        5.62411  (12041024)               399082.79
3736851.95        5.67255  (12041024)
        399102.79   3736851.95        5.74197  (12041024)               399122.79
3736851.95        5.84201  (13122617)
        399142.79   3736851.95        5.96333  (13122617)               399162.79
3736851.95        6.08885  (13122617)
        399182.79   3736851.95        6.18911  (13122617)               399202.79
3736851.95        6.28019  (13122617)
        399222.79   3736851.95        6.36090  (13122617)               399242.79
3736851.95        6.45316  (15091503)
        399262.79   3736851.95        6.54771  (15091503)               399282.79
3736851.95        6.61160  (15091503)
        399302.79   3736851.95        6.67206  (15091503)               399322.79
3736851.95        6.74687  (14072506)
        399342.79   3736851.95        6.90686  (14072506)               399362.79
3736851.95        7.02239  (14072506)
        399382.79   3736851.95        7.14426  (12052324)               399402.79
3736851.95        7.22541  (12041022)
        399422.79   3736851.95        7.31584  (12041022)               399442.79
3736851.95        7.40705  (14121617)
        399462.79   3736851.95        7.57734  (14121617)               399482.79
3736851.95        7.70772  (14121617)
        399502.79   3736851.95        7.79130  (14121617)               399522.79
3736851.95        7.90637  (14121119)
        399542.79   3736851.95        7.98926  (14121119)               399562.79
3736851.95        8.10799  (13050520)
        399582.79   3736851.95        8.25434  (12101803)               399602.79
3736851.95        8.41447  (12101803)
        399622.79   3736851.95        8.52921  (12101803)               399642.79
3736851.95        8.59131  (12101803)
        399662.79   3736851.95        8.57748  (12101803)               399682.79
3736851.95        8.52716  (16091818)
        399702.79   3736851.95        8.48567  (16091818)               399722.79
3736851.95        8.80428  (14121120)
        399742.79   3736851.95        9.09917  (14121120)               399762.79
3736851.95        9.37858  (14121120)
        399782.79   3736851.95        9.57377  (14121120)               399802.79
3736851.95        9.66445  (14121120)
        399822.79   3736851.95        9.67535  (14121120)               399842.79
3736851.95        9.84357  (16062021)
        399862.79   3736851.95        9.98213  (16062021)               399882.79
3736851.95        9.97728  (15060921)
        399902.79   3736851.95       10.21298  (15060921)               399922.79
3736851.95       10.34049  (15060921)
        399942.79   3736851.95       10.41414  (15060921)               399962.79
3736851.95       10.45449  (12052319)
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3736871.95   4.74432 (14051901)
        398822.79   3736871.95   4.80194 (14051901)   398842.79
3736871.95   4.85229 (14051901)
        398862.79   3736871.95   4.90177 (14051901)   398882.79
3736871.95   4.95173 (13050521)
        398902.79   3736871.95   5.03121 (13050521)   398922.79
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        398942.79   3736871.95   5.16039 (13050521)   398962.79
3736871.95   5.21114 (13050521)
        398982.79   3736871.95   5.27234 (12041024)   399002.79
3736871.95   5.35322 (12041024)

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        399102.79   3736871.95        5.71002  (13122617)               399122.79
3736871.95        5.83808  (13122617)
        399142.79   3736871.95        5.94393  (13122617)               399162.79
3736871.95        6.03716  (13122617)
        399182.79   3736871.95        6.12761  (13122617)               399202.79
3736871.95        6.20928  (15091503)
        399222.79   3736871.95        6.29456  (15091503)               399242.79
3736871.95        6.36835  (15091503)
        399262.79   3736871.95        6.45316  (15091503)               399282.79
3736871.95        6.49745  (15091503)
        399302.79   3736871.95        6.55006  (14072506)               399322.79
3736871.95        6.67873  (14072506)
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3736871.95        6.93863  (12052324)
        399382.79   3736871.95        7.03030  (12052324)               399402.79
3736871.95        7.10363  (12052324)
        399422.79   3736871.95        7.18415  (14121617)               399442.79
3736871.95        7.33597  (14121617)
        399462.79   3736871.95        7.48504  (14121617)               399482.79
3736871.95        7.57457  (14121617)
        399502.79   3736871.95        7.70216  (14121119)               399522.79
3736871.95        7.79944  (14121119)
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        399622.79   3736871.95        8.31940  (12101803)               399642.79
3736871.95        8.34226  (12101803)
        399662.79   3736871.95        8.28441  (12101803)               399682.79
3736871.95        8.24094  (16091818)
        399702.79   3736871.95        8.42696  (14121120)               399722.79
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        399742.79   3736871.95        8.97971  (14121120)               399762.79
3736871.95        9.21889  (14121120)
        399782.79   3736871.95        9.34049  (14121120)               399802.79
3736871.95        9.39603  (14121120)
        399822.79   3736871.95        9.38975  (16062021)               399842.79
3736871.95        9.56008  (16062021)
        399862.79   3736871.95        9.64211  (16062021)               399882.79
3736871.95        9.75794  (15060921)
        399902.79   3736871.95        9.95087  (15060921)               399922.79
3736871.95       10.03485  (15060921)
        399942.79   3736871.95       10.11274  (15060921)               399962.79
3736871.95       10.17286  (12052319)
        399982.79   3736871.95       10.18973  (15030118)               400002.79
3736871.95       10.32407  (15030118)
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        399062.79   3736891.95        5.46789  (13122617)               399082.79
3736891.95        5.59154  (13122617)
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3736891.95        5.80506  (13122617)
        399142.79   3736891.95        5.89740  (13122617)               399162.79
3736891.95        5.97906  (13122617)
        399182.79   3736891.95        6.05350  (15091503)               399202.79
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3736891.95        6.62708  (12052324)
        399342.79   3736891.95        6.73200  (12052324)               399362.79
3736891.95        6.83428  (12052324)
        399382.79   3736891.95        6.90227  (12052324)               399402.79
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3736891.95        7.48395  (14121119)
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3736891.95        7.85988  (12101803)
        399582.79   3736891.95        7.99729  (12101803)               399602.79
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        399622.79   3736891.95        8.09413  (12101803)               399642.79
3736891.95        8.07254  (12101803)
        399662.79   3736891.95        8.00573  (16091818)               399682.79
3736891.95        8.10488  (16122323)
        399702.79   3736891.95        8.37213  (14121120)               399722.79
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        399742.79   3736891.95        8.86310  (14121120)               399762.79
3736891.95        9.01178  (14121120)
        399782.79   3736891.95        9.10437  (14121120)               399802.79
3736891.95        9.11773  (14121120)
        399822.79   3736891.95        9.18599  (16062021)               399842.79
3736891.95        9.31242  (16062021)
        399862.79   3736891.95        9.36899  (16062020)               399882.79
3736891.95        9.57664  (16062020)
        399902.79   3736891.95        9.72462  (16062020)               399922.79
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        399942.79   3736891.95        9.87594  (12052319)               399962.79
3736891.95        9.89216  (12052319)
        399982.79   3736891.95        9.97514  (15030118)               400002.79
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3736891.95       10.00101  (15030118)
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3736891.95        9.46469  (16030606)
        400142.79   3736891.95        9.62823  (16122324)               400162.79
3736891.95       10.01672  (16122324)
        400182.79   3736891.95       10.33010  (16122324)               398682.79
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        398702.79   3736911.95        4.40515  (14051901)               398722.79
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3736911.95        4.41045  (14051901)
        398782.79   3736911.95        4.57682  (14051901)               398802.79
3736911.95        4.65671  (13050521)
        398822.79   3736911.95        4.72081  (13050521)               398842.79
3736911.95        4.78536  (13050521)
        398862.79   3736911.95        4.82952  (13050521)               398882.79
3736911.95        4.87541  (13050521)
        398902.79   3736911.95        4.92856  (13050521)               398922.79
3736911.95        4.99870  (12041024)
♠ *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                      ***        10:15:03

                                  PAGE 191
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     STCK1       ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                     ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        398942.79   3736911.95        5.07026  (12041024)               398962.79
3736911.95        5.11608  (12041024)
        398982.79   3736911.95        5.17215  (12041024)               399002.79
3736911.95        5.23903  (15091504)
        399022.79   3736911.95        5.29897  (15091504)               399042.79
3736911.95        5.34761  (13122617)
        399062.79   3736911.95        5.46112  (13122617)               399082.79
3736911.95        5.57118  (13122617)
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        399102.79   3736911.95        5.67136  (13122617)               399122.79
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        399142.79   3736911.95        5.83336  (13122617)               399162.79
3736911.95        5.91272  (15091503)
        399182.79   3736911.95        5.98873  (15091503)               399202.79
3736911.95        6.04637  (15091503)
        399222.79   3736911.95        6.08320  (15091503)               399242.79
3736911.95        6.13650  (15091503)
        399262.79   3736911.95        6.20973  (14072506)               399282.79
3736911.95        6.33261  (12052324)
        399302.79   3736911.95        6.46143  (12052324)               399322.79
3736911.95        6.57971  (12052324)
        399342.79   3736911.95        6.67258  (12052324)               399362.79
3736911.95        6.72961  (12052324)
        399382.79   3736911.95        6.77287  (12052324)               399402.79
3736911.95        6.90792  (14121617)
        399422.79   3736911.95        7.03391  (14121617)               399442.79
3736911.95        7.13913  (14121617)
        399462.79   3736911.95        7.26464  (14121119)               399482.79
3736911.95        7.37218  (14121119)
        399502.79   3736911.95        7.44228  (14121119)               399522.79
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        399542.79   3736911.95        7.60523  (12101803)               399562.79
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3736911.95        7.85950  (12101803)
        399622.79   3736911.95        7.85575  (12101803)               399642.79
3736911.95        7.81940  (14022703)
        399662.79   3736911.95        7.88471  (16122323)               399682.79
3736911.95        8.04152  (14121120)
        399702.79   3736911.95        8.29481  (14121120)               399722.79
3736911.95        8.52021  (14121120)
        399742.79   3736911.95        8.72195  (14121120)               399762.79
3736911.95        8.81078  (14121120)
        399782.79   3736911.95        8.86378  (14121120)               399802.79
3736911.95        8.83367  (14121120)
        399822.79   3736911.95        8.97218  (16062021)               399842.79
3736911.95        9.05888  (16062021)
        399862.79   3736911.95        9.20401  (16062020)               399882.79
3736911.95        9.40191  (16062020)
        399902.79   3736911.95        9.50640  (16062020)               399922.79
3736911.95        9.57578  (16062020)
        399942.79   3736911.95        9.65922  (12052319)               399962.79
3736911.95        9.61297  (12052319)
        399982.79   3736911.95        9.76056  (15030118)               400002.79
3736911.95        9.83663  (15030118)
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3736911.95        9.68006  (15030118)
        400062.79   3736911.95        9.46542  (15030118)               400082.79
3736911.95        9.14124  (16063019)
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        400182.79   3736911.95       10.06233  (16122324)               398682.79
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        398702.79   3736931.95        4.38089  (14051901)               398722.79
3736931.95        4.43006  (14051901)
        398742.79   3736931.95        4.46146  (14051901)               398762.79
3736931.95        4.33903  (14051901)
        398782.79   3736931.95        4.56485  (13050521)               398802.79
3736931.95        4.63432  (13050521)
        398822.79   3736931.95        4.69186  (13050521)               398842.79
3736931.95        4.74513  (13050521)
        398862.79   3736931.95        4.77676  (13050521)               398882.79
3736931.95        4.82664  (13053102)
        398902.79   3736931.95        4.88591  (12041024)               398922.79
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3736931.95        5.07111  (15091504)
        398982.79   3736931.95        5.13147  (15091504)               399002.79
3736931.95        5.19075  (15091504)
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                      ***        10:15:03

                                   PAGE 192
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                   INCLUDING SOURCE(S):     STCK1       ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        399022.79   3736931.95        5.24335  (13122617)               399042.79
3736931.95        5.34682  (13122617)
        399062.79   3736931.95        5.44924  (13122617)               399082.79
3736931.95        5.54311  (13122617)
        399102.79   3736931.95        5.61079  (13122617)               399122.79
3736931.95        5.67751  (15091503)
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        399142.79   3736931.95        5.76713  (15091503)               399162.79
3736931.95        5.84041  (15091503)
        399182.79   3736931.95        5.89382  (15091503)               399202.79
3736931.95        5.93147  (15091503)
        399222.79   3736931.95        5.95473  (15091503)               399242.79
3736931.95        6.04237  (14072506)
        399262.79   3736931.95        6.16602  (12052324)               399282.79
3736931.95        6.29088  (12052324)
        399302.79   3736931.95        6.41056  (12052324)               399322.79
3736931.95        6.50047  (12052324)
        399342.79   3736931.95        6.56803  (12052324)               399362.79
3736931.95        6.62257  (12052324)
        399382.79   3736931.95        6.71377  (14121617)               399402.79
3736931.95        6.82328  (14121617)
        399422.79   3736931.95        6.92694  (14121617)               399442.79
3736931.95        7.04733  (14121119)
        399462.79   3736931.95        7.15506  (14121119)               399482.79
3736931.95        7.23366  (14121119)
        399502.79   3736931.95        7.32513  (13050520)               399522.79
3736931.95        7.38304  (13050520)
        399542.79   3736931.95        7.48374  (12101803)               399562.79
3736931.95        7.59926  (12101803)
        399582.79   3736931.95        7.64161  (12101803)               399602.79
3736931.95        7.65120  (14022703)
        399622.79   3736931.95        7.64222  (14022703)               399642.79
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        399662.79   3736931.95        7.84906  (16122323)               399682.79
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        399702.79   3736931.95        8.21629  (14121120)               399722.79
3736931.95        8.41588  (14121120)
        399742.79   3736931.95        8.53967  (14121120)               399762.79
3736931.95        8.60557  (14121120)
        399782.79   3736931.95        8.60904  (14121120)               399802.79
3736931.95        8.63268  (16062021)
        399822.79   3736931.95        8.75079  (16062021)               399842.79
3736931.95        8.80177  (16062021)
        399862.79   3736931.95        9.02947  (16062020)               399882.79
3736931.95        9.19033  (16062020)
        399902.79   3736931.95        9.26919  (16062020)               399922.79
3736931.95        9.33555  (12052319)
        399942.79   3736931.95        9.38130  (12052319)               399962.79
3736931.95        9.36616  (15030118)
        399982.79   3736931.95        9.52699  (15030118)               400002.79
3736931.95        9.59332  (15030118)
        400022.79   3736931.95        9.53839  (15030118)               400042.79
3736931.95        9.38601  (15030118)
        400062.79   3736931.95        9.16506  (15030118)               400082.79
3736931.95        8.98348  (16063019)
        400102.79   3736931.95        8.97102  (14031218)               400122.79
3736931.95        9.01799  (14031218)
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        400142.79   3736931.95        9.15442  (16122324)               400162.79
3736931.95        9.55244  (16122324)
        400182.79   3736931.95        9.78975  (16122324)               398682.79
3736951.95        4.30026  (14051901)
        398702.79   3736951.95        4.34501  (14051901)               398722.79
3736951.95        4.38650  (14051901)
        398742.79   3736951.95        4.38592  (13050521)               398762.79
3736951.95        4.36646  (13050521)
        398782.79   3736951.95        4.54358  (13050521)               398802.79
3736951.95        4.59581  (13050521)
        398822.79   3736951.95        4.64749  (13050521)               398842.79
3736951.95        4.68422  (13050521)
        398862.79   3736951.95        4.73557  (13053102)               398882.79
3736951.95        4.80014  (13053102)
        398902.79   3736951.95        4.86866  (15091504)               398922.79
3736951.95        4.92648  (15091504)
        398942.79   3736951.95        4.97502  (15091504)               398962.79
3736951.95        5.02474  (15091504)
        398982.79   3736951.95        5.08204  (15091504)               399002.79
3736951.95        5.13679  (13122617)
        399022.79   3736951.95        5.23228  (13122617)               399042.79
3736951.95        5.32901  (13122617)
        399062.79   3736951.95        5.41137  (13122617)               399082.79
3736951.95        5.48100  (13122617)
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                      ***        10:15:03

                                 PAGE 193
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                 INCLUDING SOURCE(S):     STCK1       ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        399102.79   3736951.95        5.54494  (15091503)               399122.79
3736951.95        5.61621  (15091503)
        399142.79   3736951.95        5.67894  (15091503)               399162.79
3736951.95        5.74077  (15091503)
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        399182.79   3736951.95        5.79007  (15091503)                399202.79
3736951.95        5.80619  (15091503)
        399222.79   3736951.95        5.87689  (12052324)                399242.79
3736951.95        6.00766  (12052324)
        399262.79   3736951.95        6.13232  (12052324)                399282.79
3736951.95        6.24020  (12052324)
        399302.79   3736951.95        6.33223  (12052324)                399322.79
3736951.95        6.40056  (12052324)
        399342.79   3736951.95        6.45229  (12052324)                399362.79
3736951.95        6.53692  (14121617)
        399382.79   3736951.95        6.63324  (14121617)                399402.79
3736951.95        6.71843  (14121617)
        399422.79   3736951.95        6.82218  (14121119)                399442.79
3736951.95        6.93423  (14121119)
        399462.79   3736951.95        7.02403  (14121119)                399482.79
3736951.95        7.11103  (16051423)
        399502.79   3736951.95        7.18269  (13050520)                399522.79
3736951.95        7.24926  (12101803)
        399542.79   3736951.95        7.35352  (12101803)                399562.79
3736951.95        7.42311  (12101803)
        399582.79   3736951.95        7.46637  (14022703)                399602.79
3736951.95        7.46730  (14022703)
        399622.79   3736951.95        7.44085  (14022703)                399642.79
3736951.95        7.60205  (16122323)
        399662.79   3736951.95        7.76198  (16122323)                399682.79
3736951.95        7.92951  (14121120)
        399702.79   3736951.95        8.11688  (14121120)                399722.79
3736951.95        8.25736  (14121120)
        399742.79   3736951.95        8.34585  (14121120)                399762.79
3736951.95        8.37780  (14121120)
        399782.79   3736951.95        8.34964  (14121120)                399802.79
3736951.95        8.44082  (16062021)
        399822.79   3736951.95        8.52440  (16062021)                399842.79
3736951.95        8.65556  (16062020)
        399862.79   3736951.95        8.84737  (16062020)                399882.79
3736951.95        8.97030  (16062020)
        399902.79   3736951.95        9.02039  (12052319)                399922.79
3736951.95        9.11820  (12052319)
        399942.79   3736951.95        9.13422  (12052319)                399962.79
3736951.95        9.16554  (15030118)
        399982.79   3736951.95        9.29496  (15030118)                400002.79
3736951.95        9.33696  (15030118)
        400022.79   3736951.95        9.28771  (15030118)                400042.79
3736951.95        9.12561  (15030118)
        400062.79   3736951.95        8.87564  (15030118)                400082.79
3736951.95        8.82663  (16063019)
        400102.79   3736951.95        8.81071  (14031218)                400122.79
3736951.95        8.82522  (14031218)
        400142.79   3736951.95        8.95375  (16122324)                400162.79
3736951.95        9.17084  (16122324)
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        400182.79   3736951.95        9.48743  (16122324)               398682.79
3736971.95        4.27305  (14051901)
        398702.79   3736971.95        4.29813  (14051901)               398722.79
3736971.95        4.35150  (13050521)
        398742.79   3736971.95        4.29475  (13050521)               398762.79
3736971.95        4.41134  (13050521)
        398782.79   3736971.95        4.49115  (13050521)               398802.79
3736971.95        4.53800  (13050521)
        398822.79   3736971.95        4.60420  (13053102)               398842.79
3736971.95        4.65254  (13053102)
        398862.79   3736971.95        4.70835  (15091504)               398882.79
3736971.95        4.77338  (15091504)
        398902.79   3736971.95        4.83838  (15091504)               398922.79
3736971.95        4.89442  (15091504)
        398942.79   3736971.95        4.93708  (15091504)               398962.79
3736971.95        4.97078  (15091504)
        398982.79   3736971.95        5.02586  (13122617)               399002.79
3736971.95        5.11885  (13122617)
        399022.79   3736971.95        5.20594  (13122617)               399042.79
3736971.95        5.28193  (13122617)
        399062.79   3736971.95        5.35517  (13122617)               399082.79
3736971.95        5.43051  (15091503)
        399102.79   3736971.95        5.48883  (15091503)               399122.79
3736971.95        5.54408  (15091503)
        399142.79   3736971.95        5.58958  (15091503)               399162.79
3736971.95        5.62389  (15091503)
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                                   ***        10:15:03

                                              PAGE 194
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                 *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                              INCLUDING SOURCE(S):     STCK1       ,

                                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                                     ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
        399182.79   3736971.95        5.64853  (15091503)               399202.79
3736971.95        5.73480  (12052324)
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        399222.79   3736971.95        5.85959  (12052324)              399242.79
3736971.95        5.96654  (12052324)
        399262.79   3736971.95        6.07632  (12052324)              399282.79
3736971.95        6.16308  (12052324)
        399302.79   3736971.95        6.23679  (12052324)              399322.79
3736971.95        6.27847  (12052324)
        399342.79   3736971.95        6.36780  (14121617)              399362.79
3736971.95        6.45718  (14121617)
        399382.79   3736971.95        6.53674  (14121617)              399402.79
3736971.95        6.63290  (14121119)
        399422.79   3736971.95        6.75779  (14121119)              399442.79
3736971.95        6.83391  (14121119)
        399462.79   3736971.95        6.89510  (16051423)              399482.79
3736971.95        6.98130  (13050520)
        399502.79   3736971.95        7.04024  (13050520)              399522.79
3736971.95        7.12822  (12101803)
        399542.79   3736971.95        7.21764  (14022703)              399562.79
3736971.95        7.26625  (14022703)
        399582.79   3736971.95        7.29727  (14022703)              399602.79
3736971.95        7.27951  (14022703)
        399622.79   3736971.95        7.35360  (16122323)              399642.79
3736971.95        7.52683  (16122323)
        399662.79   3736971.95        7.65761  (16122323)              399682.79
3736971.95        7.82514  (14121120)
        399702.79   3736971.95        7.97267  (14121120)              399722.79
3736971.95        8.08691  (14121120)
        399742.79   3736971.95        8.14291  (14121120)              399762.79
3736971.95        8.14411  (14121120)
        399782.79   3736971.95        8.13177  (16062021)              399802.79
3736971.95        8.24236  (16062021)
        399822.79   3736971.95        8.32018  (15060923)              399842.79
3736971.95        8.50197  (16062020)
        399862.79   3736971.95        8.65828  (16062020)              399882.79
3736971.95        8.74686  (16062020)
        399902.79   3736971.95        8.83217  (12052319)              399922.79
3736971.95        8.89957  (12052319)
        399942.79   3736971.95        8.88899  (12052319)              399962.79
3736971.95        8.96422  (15030118)
        399982.79   3736971.95        9.06535  (15030118)              400002.79
3736971.95        9.08341  (15030118)
        400022.79   3736971.95        9.01556  (15030118)              400042.79
3736971.95        8.86121  (15030118)
        400062.79   3736971.95        8.70745  (16063019)              400082.79
3736971.95        8.63234  (16063019)
        400102.79   3736971.95        8.61142  (14031218)              400122.79
3736971.95        8.67387  (14031218)
        400142.79   3736971.95        8.78161  (16122324)              400162.79
3736971.95        9.06933  (16122324)
        400182.79   3736971.95        9.20781  (16122324)              398682.79
3736991.95        4.27078  (13050521)
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        398702.79   3736991.95        4.27390  (13050521)               398722.79
3736991.95        4.32360  (13050521)
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3736991.95        4.39599  (13050521)
        398782.79   3736991.95        4.44609  (13053102)               398802.79
3736991.95        4.50521  (13053102)
        398822.79   3736991.95        4.56372  (13053102)               398842.79
3736991.95        4.63520  (15091504)
        398862.79   3736991.95        4.69635  (15091504)               398882.79
3736991.95        4.74589  (15091504)
        398902.79   3736991.95        4.79346  (15091504)               398922.79
3736991.95        4.83938  (15091504)
        398942.79   3736991.95        4.87698  (15091504)               398962.79
3736991.95        4.93282  (12041103)
        398982.79   3736991.95        5.00719  (13122617)               399002.79
3736991.95        5.08257  (13122617)
        399022.79   3736991.95        5.15865  (13122617)               399042.79
3736991.95        5.22748  (15091503)
        399062.79   3736991.95        5.30570  (15091503)               399082.79
3736991.95        5.37313  (15091503)
        399102.79   3736991.95        5.42765  (15091503)               399122.79
3736991.95        5.46208  (15091503)
        399142.79   3736991.95        5.48767  (15091503)               399162.79
3736991.95        5.50612  (15091503)
        399182.79   3736991.95        5.59498  (12052324)               399202.79
3736991.95        5.70281  (12052324)
        399222.79   3736991.95        5.81303  (12052324)               399242.79
3736991.95        5.91074  (12052324)
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        10:15:03

                                  PAGE 195
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     STCK1       ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                     ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
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        399262.79   3736991.95        5.99710  (12052324)               399282.79
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        399342.79   3736991.95        6.28694  (14121617)               399362.79
3736991.95        6.36607  (14121617)
        399382.79   3736991.95        6.45377  (14121119)               399402.79
3736991.95        6.56311  (14121119)
        399422.79   3736991.95        6.65806  (14121119)               399442.79
3736991.95        6.73297  (16051423)
        399462.79   3736991.95        6.79050  (16051423)               399482.79
3736991.95        6.84380  (13050520)
        399502.79   3736991.95        6.91097  (12101803)               399522.79
3736991.95        7.01825  (14022703)
        399542.79   3736991.95        7.07957  (14022703)               399562.79
3736991.95        7.12337  (14022703)
        399582.79   3736991.95        7.10901  (14022703)               399602.79
3736991.95        7.10451  (16122323)
        399622.79   3736991.95        7.30133  (16122323)               399642.79
3736991.95        7.43950  (16122323)
        399662.79   3736991.95        7.54396  (14121120)               399682.79
3736991.95        7.70816  (14121120)
        399702.79   3736991.95        7.83052  (14121120)               399722.79
3736991.95        7.90671  (14121120)
        399742.79   3736991.95        7.93299  (14121120)               399762.79
3736991.95        7.90647  (14121120)
        399782.79   3736991.95        7.95882  (16062021)               399802.79
3736991.95        8.06038  (15060923)
        399822.79   3736991.95        8.17243  (15060923)               399842.79
3736991.95        8.33761  (16062020)
        399862.79   3736991.95        8.46222  (16062020)               399882.79
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        399902.79   3736991.95        8.64067  (12052319)               399922.79
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3736991.95        8.76327  (15030118)
        399982.79   3736991.95        8.83889  (15030118)               400002.79
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3736991.95        8.58666  (15030118)
        400062.79   3736991.95        8.53281  (16063019)               400082.79
3736991.95        8.41610  (16063019)
        400102.79   3736991.95        8.46749  (14031218)               400122.79
3736991.95        8.53205  (14031218)
        400142.79   3736991.95        8.61645  (16122324)               400162.79
3736991.95        8.87871  (16122324)
        400182.79   3736991.95        9.07303  (16122324)               398682.79
3737011.95        4.28831  (13050521)
        398702.79   3737011.95        4.24422  (13050521)               398722.79
3737011.95        4.25337  (13050521)
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        398742.79   3737011.95        4.20723  (13050521)                398762.79
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        398782.79   3737011.95        4.42649  (13053102)                398802.79
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        398822.79   3737011.95        4.54530  (15091504)                398842.79
3737011.95        4.60955  (15091504)
        398862.79   3737011.95        4.66603  (15091504)                398882.79
3737011.95        4.71245  (15091504)
        398902.79   3737011.95        4.74195  (15091504)                398922.79
3737011.95        4.77836  (12041103)
        398942.79   3737011.95        4.83920  (12041103)                398962.79
3737011.95        4.90507  (13122617)
        398982.79   3737011.95        4.98203  (13122617)                399002.79
3737011.95        5.04427  (13122617)
        399022.79   3737011.95        5.10524  (15091503)                399042.79
3737011.95        5.17428  (15091503)
        399062.79   3737011.95        5.24370  (15091503)                399082.79
3737011.95        5.29901  (15091503)
        399102.79   3737011.95        5.33855  (15091503)                399122.79
3737011.95        5.36584  (15091503)
        399142.79   3737011.95        5.37675  (15091503)                399162.79
3737011.95        5.47374  (12052324)
        399182.79   3737011.95        5.57485  (12052324)                399202.79
3737011.95        5.66827  (12052324)
        399222.79   3737011.95        5.74855  (12052324)                399242.79
3737011.95        5.83376  (12052324)
        399262.79   3737011.95        5.89993  (12052324)                399282.79
3737011.95        5.95742  (12052324)
        399302.79   3737011.95        6.02837  (14121617)                399322.79
3737011.95        6.13376  (14121617)
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                                   ***        10:15:03

                                              PAGE 196
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                 *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                              INCLUDING SOURCE(S):     STCK1       ,

                                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                                     ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
```

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 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
        399342.79   3737011.95        6.20479  (14121617)                399362.79
3737011.95        6.28059  (14121119)
        399382.79   3737011.95        6.38552  (14121119)                399402.79
3737011.95        6.47569  (14121119)
        399422.79   3737011.95        6.56021  (16051423)                399442.79
3737011.95        6.62740  (16051423)
        399462.79   3737011.95        6.66789  (13050520)                399482.79
3737011.95        6.71555  (14022703)
        399502.79   3737011.95        6.82192  (14022703)                399522.79
3737011.95        6.89781  (14022703)
        399542.79   3737011.95        6.93584  (14022703)                399562.79
3737011.95        6.95142  (14022703)
        399582.79   3737011.95        6.90383  (14022703)                399602.79
3737011.95        7.05112  (16122323)
        399622.79   3737011.95        7.20360  (16122323)                399642.79
3737011.95        7.33507  (16122323)
        399662.79   3737011.95        7.44337  (14121120)                399682.79
3737011.95        7.57803  (14121120)
        399702.79   3737011.95        7.67106  (14121120)                399722.79
3737011.95        7.71866  (14121120)
        399742.79   3737011.95        7.71786  (14121120)                399762.79
3737011.95        7.67636  (16062021)
        399782.79   3737011.95        7.79555  (15060923)                399802.79
3737011.95        7.93902  (15060923)
        399822.79   3737011.95        8.02365  (15060923)                399842.79
3737011.95        8.16455  (16062020)
        399862.79   3737011.95        8.25921  (16062020)                399882.79
3737011.95        8.36418  (12052319)
        399902.79   3737011.95        8.44730  (12052319)                399922.79
3737011.95        8.46265  (12052319)
        399942.79   3737011.95        8.43951  (15030118)                399962.79
3737011.95        8.56361  (15030118)
        399982.79   3737011.95        8.61620  (15030118)                400002.79
3737011.95        8.59404  (15030118)
        400022.79   3737011.95        8.49583  (15030118)                400042.79
3737011.95        8.36019  (16063019)
        400062.79   3737011.95        8.35256  (16063019)                400082.79
3737011.95        8.21993  (16063019)
        400102.79   3737011.95        8.34677  (14031218)                400122.79
3737011.95        8.36198  (14031218)
        400142.79   3737011.95        8.44808  (16122324)                400162.79
3737011.95        8.70814  (16122324)
        400182.79   3737011.95        8.88765  (16122324)                398682.79
3737031.95        4.16888  (13050521)
        398702.79   3737031.95        4.20449  (13053102)                398722.79
3737031.95        4.13742  (13053102)
        398742.79   3737031.95        4.27504  (13053102)                398762.79
3737031.95        4.36149  (13053102)
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        398782.79   3737031.95        4.41127  (15091504)               398802.79
3737031.95        4.45947  (15091504)
        398822.79   3737031.95        4.51772  (15091504)               398842.79
3737031.95        4.57588  (15091504)
        398862.79   3737031.95        4.61938  (15091504)               398882.79
3737031.95        4.65660  (15091504)
        398902.79   3737031.95        4.68525  (12041103)               398922.79
3737031.95        4.74284  (12041103)
        398942.79   3737031.95        4.79574  (13122617)               398962.79
3737031.95        4.87008  (13122617)
        398982.79   3737031.95        4.93458  (13122617)               399002.79
3737031.95        5.00561  (15091503)
        399022.79   3737031.95        5.06991  (15091503)               399042.79
3737031.95        5.11792  (15091503)
        399062.79   3737031.95        5.16178  (15091503)               399082.79
3737031.95        5.20907  (15091503)
        399102.79   3737031.95        5.23708  (15091503)               399122.79
3737031.95        5.24442  (12052324)
        399142.79   3737031.95        5.36660  (12052324)               399162.79
3737031.95        5.46911  (12052324)
        399182.79   3737031.95        5.54617  (12052324)               399202.79
3737031.95        5.61707  (12052324)
        399222.79   3737031.95        5.68496  (12052324)               399242.79
3737031.95        5.75690  (12052324)
        399262.79   3737031.95        5.79431  (12052324)               399282.79
3737031.95        5.86776  (14121617)
        399302.79   3737031.95        5.96521  (14121617)               399322.79
3737031.95        6.05577  (14121617)
        399342.79   3737031.95        6.12741  (14121119)               399362.79
3737031.95        6.21789  (14121119)
        399382.79   3737031.95        6.30967  (14121119)               399402.79
3737031.95        6.39214  (16051423)
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                   INCLUDING SOURCE(S):     STCK1       ,

                                            *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                           ** CONC OF PM_10    IN MICROGRAMS/M**3
                    **
```

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
399422.79	3737031.95	6.45150	(16051423)	399442.79	3737031.95	6.49764	(13050520)
399462.79	3737031.95	6.53719	(14022703)	399482.79	3737031.95	6.64368	(14022703)
399502.79	3737031.95	6.70535	(14022703)	399522.79	3737031.95	6.75084	(14022703)
399542.79	3737031.95	6.78676	(14022703)	399562.79	3737031.95	6.76275	(14022703)
399582.79	3737031.95	6.82865	(16122323)	399602.79	3737031.95	6.98545	(16122323)
399622.79	3737031.95	7.11141	(16122323)	399642.79	3737031.95	7.21778	(16122323)
399662.79	3737031.95	7.33047	(14121120)	399682.79	3737031.95	7.43738	(14121120)
399702.79	3737031.95	7.50323	(14121120)	399722.79	3737031.95	7.52475	(14121120)
399742.79	3737031.95	7.49959	(14121120)	399762.79	3737031.95	7.52905	(15060923)
399782.79	3737031.95	7.69364	(15060923)	399802.79	3737031.95	7.80910	(15060923)
399822.79	3737031.95	7.87751	(16062020)	399842.79	3737031.95	7.99620	(16062020)
399862.79	3737031.95	8.06628	(16062020)	399882.79	3737031.95	8.18792	(12052319)
399902.79	3737031.95	8.25314	(12052319)	399922.79	3737031.95	8.24626	(12052319)
399942.79	3737031.95	8.26551	(15030118)	399962.79	3737031.95	8.36081	(15030118)
399982.79	3737031.95	8.39563	(15030118)	400002.79	3737031.95	8.35879	(15030118)
400022.79	3737031.95	8.24841	(15030118)	400042.79	3737031.95	8.19624	(16063019)
400062.79	3737031.95	8.14022	(16063019)	400082.79	3737031.95	8.09137	(14031218)
400102.79	3737031.95	8.19006	(14031218)	400122.79	3737031.95	8.19549	(14031218)
400142.79	3737031.95	8.26950	(16122324)	400162.79	3737031.95	8.51361	(16122324)
400182.79	3737031.95	8.68137	(16122324)	398682.79	3737051.95	4.13822	(13053102)
398702.79	3737051.95	4.17200	(13053102)	398722.79	3737051.95	4.10542	(13053102)
398742.79	3737051.95	4.28282	(15091504)	398762.79	3737051.95	4.34211	(15091504)
398782.79	3737051.95	4.38267	(15091504)	398802.79	3737051.95	4.42684	(15091504)

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        398822.79   3737051.95        4.47242  (15091504)                398842.79
3737051.95        4.51438  (15091504)
        398862.79   3737051.95        4.56146  (15091504)                398882.79
3737051.95        4.60728  (12041103)
        398902.79   3737051.95        4.65964  (12041103)                398922.79
3737051.95        4.69717  (13122617)
        398942.79   3737051.95        4.75761  (13122617)                398962.79
3737051.95        4.82793  (14022805)
        398982.79   3737051.95        4.89288  (15091503)                399002.79
3737051.95        4.95587  (15091503)
        399022.79   3737051.95        5.00747  (15091503)                399042.79
3737051.95        5.05082  (15091503)
        399062.79   3737051.95        5.08244  (15091503)                399082.79
3737051.95        5.10383  (15091503)
        399102.79   3737051.95        5.13120  (12052324)                399122.79
3737051.95        5.24464  (12052324)
        399142.79   3737051.95        5.34494  (12052324)                399162.79
3737051.95        5.43219  (12052324)
        399182.79   3737051.95        5.50885  (12052324)                399202.79
3737051.95        5.56683  (12052324)
        399222.79   3737051.95        5.61456  (12052324)                399242.79
3737051.95        5.65968  (12052324)
        399262.79   3737051.95        5.71009  (14121617)                399282.79
3737051.95        5.81660  (14121617)
        399302.79   3737051.95        5.89526  (14121617)                399322.79
3737051.95        5.96559  (14121119)
        399342.79   3737051.95        6.06877  (14121119)                399362.79
3737051.95        6.14922  (14121119)
        399382.79   3737051.95        6.23443  (16051423)                399402.79
3737051.95        6.29689  (16051423)
        399422.79   3737051.95        6.34025  (16051423)                399442.79
3737051.95        6.36802  (14022703)
        399462.79   3737051.95        6.46540  (14022703)                399482.79
3737051.95        6.55692  (14022703)
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                                   ***        10:15:03

                                              PAGE 198
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                              INCLUDING SOURCE(S):     STCK1       ,

                                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                                     ** CONC OF PM_10    IN MICROGRAMS/M**3
```

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
399502.79	3737051.95	6.60608	(14022703)	399522.79	3737051.95	6.61419	(14022703)
399542.79	3737051.95	6.59983	(14022703)	399562.79	3737051.95	6.61506	(16122323)
399582.79	3737051.95	6.77398	(16122323)	399602.79	3737051.95	6.90888	(16122323)
399622.79	3737051.95	7.01372	(16122323)	399642.79	3737051.95	7.08946	(16122323)
399662.79	3737051.95	7.20720	(14121120)	399682.79	3737051.95	7.28820	(14121120)
399702.79	3737051.95	7.32888	(14121120)	399722.79	3737051.95	7.32657	(14121120)
399742.79	3737051.95	7.28469	(12031705)	399762.79	3737051.95	7.44478	(15060923)
399782.79	3737051.95	7.58266	(15060923)	399802.79	3737051.95	7.66974	(15060923)
399822.79	3737051.95	7.73005	(16062020)	399842.79	3737051.95	7.82788	(16062020)
399862.79	3737051.95	7.92941	(12052319)	399882.79	3737051.95	8.02379	(12052319)
399902.79	3737051.95	8.04792	(12052319)	399922.79	3737051.95	8.03029	(12052319)
399942.79	3737051.95	8.08169	(15030118)	399962.79	3737051.95	8.16262	(15030118)
399982.79	3737051.95	8.17969	(15030118)	400002.79	3737051.95	8.12987	(15030118)
400022.79	3737051.95	8.00904	(15030118)	400042.79	3737051.95	8.01461	(16063019)
400062.79	3737051.95	7.97635	(16063019)	400082.79	3737051.95	7.96655	(14031218)
400102.79	3737051.95	8.02869	(14031218)	400122.79	3737051.95	8.03264	(14031218)
400142.79	3737051.95	8.09600	(16122324)	400162.79	3737051.95	8.32532	(16122324)
400182.79	3737051.95	8.48241	(16122324)	398682.79	3737071.95	4.12396	(13053102)
398702.79	3737071.95	4.04039	(13053102)	398722.79	3737071.95	4.17472	(15091504)
398742.79	3737071.95	4.26955	(15091504)	398762.79	3737071.95	4.30871	(15091504)
398782.79	3737071.95	4.34720	(15091504)	398802.79	3737071.95	4.38592	(15091504)
398822.79	3737071.95	4.42384	(15091504)	398842.79	3737071.95	4.45544	(15091504)

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        398862.79   3737071.95        4.50624  (12041103)               398882.79
3737071.95        4.56315  (12041103)
        398902.79   3737071.95        4.61267  (12041103)               398922.79
3737071.95        4.66775  (14022805)
        398942.79   3737071.95        4.73376  (14022805)               398962.79
3737071.95        4.78961  (14022805)
        398982.79   3737071.95        4.85077  (14022805)               399002.79
3737071.95        4.89304  (15091503)
        399022.79   3737071.95        4.93130  (15091503)               399042.79
3737071.95        4.96184  (15091503)
        399062.79   3737071.95        4.98181  (15091503)               399082.79
3737071.95        5.04027  (13041201)
        399102.79   3737071.95        5.13116  (13041201)               399122.79
3737071.95        5.21676  (13041201)
        399142.79   3737071.95        5.30531  (12052324)               399162.79
3737071.95        5.38217  (12052324)
        399182.79   3737071.95        5.44319  (12052324)               399202.79
3737071.95        5.49983  (12052324)
        399222.79   3737071.95        5.53784  (12052324)               399242.79
3737071.95        5.57203  (14121617)
        399262.79   3737071.95        5.65701  (14121617)               399282.79
3737071.95        5.74261  (14121617)
        399302.79   3737071.95        5.81097  (14121119)               399322.79
3737071.95        5.90699  (14121119)
        399342.79   3737071.95        5.98633  (14121119)               399362.79
3737071.95        6.07613  (16051423)
        399382.79   3737071.95        6.14236  (16051423)               399402.79
3737071.95        6.18747  (16051423)
        399422.79   3737071.95        6.21185  (14022703)               399442.79
3737071.95        6.29788  (14022703)
        399462.79   3737071.95        6.39005  (14022703)               399482.79
3737071.95        6.45375  (14022703)
        399502.79   3737071.95        6.47707  (14022703)               399522.79
3737071.95        6.47588  (14121121)
        399542.79   3737071.95        6.45927  (14121121)               399562.79
3737071.95        6.57472  (16122323)
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                      ***        10:15:03

                                   PAGE 199
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                   INCLUDING SOURCE(S):     STCK1       ,

                                            *** DISCRETE CARTESIAN RECEPTOR POINTS
***
```

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
399582.79	3737071.95	6.70590	(16122323)	399602.79	3737071.95	6.81415	(16122323)
399622.79	3737071.95	6.91625	(16122323)	399642.79	3737071.95	6.98118	(14121120)
399662.79	3737071.95	7.07491	(14121120)	399682.79	3737071.95	7.13191	(14121120)
399702.79	3737071.95	7.14949	(14121120)	399722.79	3737071.95	7.12562	(14121120)
399742.79	3737071.95	7.20065	(12031705)	399762.79	3737071.95	7.35111	(15060923)
399782.79	3737071.95	7.46382	(15060923)	399802.79	3737071.95	7.52925	(15060923)
399822.79	3737071.95	7.57261	(16062020)	399842.79	3737071.95	7.65555	(16062020)
399862.79	3737071.95	7.77978	(12052319)	399882.79	3737071.95	7.85100	(12052319)
399902.79	3737071.95	7.86557	(12052319)	399922.79	3737071.95	7.81160	(12052319)
399942.79	3737071.95	7.90377	(15030118)	399962.79	3737071.95	7.96219	(15030118)
399982.79	3737071.95	7.97390	(15030118)	400002.79	3737071.95	7.90744	(15030118)
400022.79	3737071.95	7.85076	(16063019)	400042.79	3737071.95	7.83681	(16063019)
400062.79	3737071.95	7.80305	(16063019)	400082.79	3737071.95	7.82682	(14031218)
400102.79	3737071.95	7.88473	(14031218)	400122.79	3737071.95	7.87349	(14031218)
400142.79	3737071.95	7.92747	(16122324)	400162.79	3737071.95	8.14310	(16122324)
400182.79	3737071.95	8.29030	(16122324)	398682.79	3737091.95	4.07376	(15091504)
398702.79	3737091.95	4.00843	(15091504)	398722.79	3737091.95	4.18186	(15091504)
398742.79	3737091.95	4.22922	(15091504)	398762.79	3737091.95	4.26491	(15091504)
398782.79	3737091.95	4.31344	(15091504)	398802.79	3737091.95	4.34369	(15091504)
398822.79	3737091.95	4.36760	(12041103)	398842.79	3737091.95	4.41980	(12041103)
398862.79	3737091.95	4.47108	(12041103)	398882.79	3737091.95	4.51652	(12041103)

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        398902.79   3737091.95        4.58034  (14022805)                398922.79
3737091.95        4.64060  (14022805)
        398942.79   3737091.95        4.69481  (14022805)                398962.79
3737091.95        4.74580  (14022805)
        398982.79   3737091.95        4.79171  (14022805)                399002.79
3737091.95        4.82239  (14022805)
        399022.79   3737091.95        4.84860  (15091503)                399042.79
3737091.95        4.86687  (15091503)
        399062.79   3737091.95        4.92633  (13041201)                399082.79
3737091.95        5.02868  (13041201)
        399102.79   3737091.95        5.11989  (13041201)                399122.79
3737091.95        5.19480  (13041201)
        399142.79   3737091.95        5.25174  (13041201)                399162.79
3737091.95        5.31484  (12052324)
        399182.79   3737091.95        5.37333  (12052324)                399202.79
3737091.95        5.41002  (12052324)
        399222.79   3737091.95        5.44216  (14121617)                399242.79
3737091.95        5.52054  (14121617)
        399262.79   3737091.95        5.59731  (14121617)                399282.79
3737091.95        5.67206  (13111502)
        399302.79   3737091.95        5.74399  (14121119)                399322.79
3737091.95        5.82600  (14121119)
        399342.79   3737091.95        5.92116  (16051423)                399362.79
3737091.95        5.98789  (16051423)
        399382.79   3737091.95        6.03494  (16051423)                399402.79
3737091.95        6.06557  (16051423)
        399422.79   3737091.95        6.13807  (14022703)                399442.79
3737091.95        6.22459  (14022703)
        399462.79   3737091.95        6.29044  (14022703)                399482.79
3737091.95        6.32692  (14022703)
        399502.79   3737091.95        6.34337  (14121121)                399522.79
3737091.95        6.34508  (14121121)
        399542.79   3737091.95        6.38606  (16122318)                399562.79
3737091.95        6.52207  (16122323)
        399582.79   3737091.95        6.62944  (16122323)                399602.79
3737091.95        6.74367  (16122323)
        399622.79   3737091.95        6.79229  (16122323)                399642.79
3737091.95        6.86935  (15101301)
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                                   ***        10:15:03

                                              PAGE 200
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                  *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                              INCLUDING SOURCE(S):     STCK1       ,
```

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
399662.79	3737091.95	6.93529	(14121120)	399682.79	3737091.95	6.96980	(14121120)
399702.79	3737091.95	6.96635	(14121120)	399722.79	3737091.95	6.98783	(12031705)
399742.79	3737091.95	7.11714	(15060923)	399762.79	3737091.95	7.24925	(15060923)
399782.79	3737091.95	7.33857	(15060923)	399802.79	3737091.95	7.38175	(15060923)
399822.79	3737091.95	7.42459	(16062020)	399842.79	3737091.95	7.52571	(12052319)
399862.79	3737091.95	7.62753	(12052319)	399882.79	3737091.95	7.67775	(12052319)
399902.79	3737091.95	7.67364	(12052319)	399922.79	3737091.95	7.66312	(12052424)
399942.79	3737091.95	7.75365	(12052424)	399962.79	3737091.95	7.78776	(12052424)
399982.79	3737091.95	7.76792	(12052424)	400002.79	3737091.95	7.69148	(15030118)
400022.79	3737091.95	7.68057	(16063019)	400042.79	3737091.95	7.68225	(16063019)
400062.79	3737091.95	7.63234	(16063019)	400082.79	3737091.95	7.66233	(14031218)
400102.79	3737091.95	7.73637	(14031218)	400122.79	3737091.95	7.71803	(14031218)
400142.79	3737091.95	7.76372	(16122324)	400162.79	3737091.95	7.96672	(16122324)
400182.79	3737091.95	8.10473	(16122324)	398682.79	3737111.95	3.96773	(15091504)
398702.79	3737111.95	4.08988	(15091504)	398722.79	3737111.95	4.15749	(15091504)
398742.79	3737111.95	4.18686	(15091504)	398762.79	3737111.95	4.22666	(15091504)
398782.79	3737111.95	4.26407	(15091504)	398802.79	3737111.95	4.29636	(12041103)
398822.79	3737111.95	4.34830	(12041103)	398842.79	3737111.95	4.38800	(12041103)
398862.79	3737111.95	4.43001	(14022805)	398882.79	3737111.95	4.49196	(14022805)
398902.79	3737111.95	4.54451	(14022805)	398922.79	3737111.95	4.59840	(14022805)

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        398942.79   3737111.95        4.64509  (14022805)                398962.79
3737111.95        4.69163  (14022805)
        398982.79   3737111.95        4.72612  (14022805)                399002.79
3737111.95        4.74877  (14022805)
        399022.79   3737111.95        4.75634  (15091503)                399042.79
3737111.95        4.82924  (13041201)
        399062.79   3737111.95        4.92014  (13041201)                399082.79
3737111.95        5.00415  (13041201)
        399102.79   3737111.95        5.08199  (13041201)                399122.79
3737111.95        5.15346  (13041201)
        399142.79   3737111.95        5.21001  (13041201)                399162.79
3737111.95        5.24184  (13041201)
        399182.79   3737111.95        5.27286  (12052324)                399202.79
3737111.95        5.30745  (14121617)
        399222.79   3737111.95        5.38872  (14121617)                399242.79
3737111.95        5.46744  (13111502)
        399262.79   3737111.95        5.54742  (13111502)                399282.79
3737111.95        5.60589  (14121119)
        399302.79   3737111.95        5.67620  (14121119)                399322.79
3737111.95        5.75250  (16051423)
        399342.79   3737111.95        5.82654  (16051423)                399362.79
3737111.95        5.88769  (16051423)
        399382.79   3737111.95        5.92496  (16051423)                399402.79
3737111.95        5.98619  (14022703)
        399422.79   3737111.95        6.06525  (14022703)                399442.79
3737111.95        6.14065  (14022703)
        399462.79   3737111.95        6.18306  (14022703)                399482.79
3737111.95        6.20452  (14121121)
        399502.79   3737111.95        6.22332  (14121121)                399522.79
3737111.95        6.22689  (16122318)
        399542.79   3737111.95        6.34458  (16122323)                399562.79
3737111.95        6.46003  (16122323)
        399582.79   3737111.95        6.55957  (16122323)                399602.79
3737111.95        6.63243  (16122323)
        399622.79   3737111.95        6.69696  (15101301)                399642.79
3737111.95        6.76798  (15101301)
        399662.79   3737111.95        6.80378  (15101301)                399682.79
3737111.95        6.80718  (14121120)
        399702.79   3737111.95        6.78955  (14121120)                399722.79
3737111.95        6.91187  (12031705)
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                      ***        10:15:03

                                  PAGE 201
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
```

INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
399742.79	3737111.95	7.03395	(15060923)	399762.79	3737111.95	7.14257	(15060923)
399782.79	3737111.95	7.20806	(15060923)	399802.79	3737111.95	7.23087	(15060923)
399822.79	3737111.95	7.27439	(16062020)	399842.79	3737111.95	7.39285	(12052319)
399862.79	3737111.95	7.47367	(12052319)	399882.79	3737111.95	7.50476	(12052319)
399902.79	3737111.95	7.48210	(12052319)	399922.79	3737111.95	7.53989	(12052424)
399942.79	3737111.95	7.62081	(12052424)	399962.79	3737111.95	7.63880	(12052424)
399982.79	3737111.95	7.59860	(12052424)	400002.79	3737111.95	7.47652	(16063019)
400022.79	3737111.95	7.55173	(16063019)	400042.79	3737111.95	7.56201	(16063019)
400062.79	3737111.95	7.48404	(16063019)	400082.79	3737111.95	7.53141	(14031218)
400102.79	3737111.95	7.57038	(14031218)	400122.79	3737111.95	7.54831	(14031218)
400142.79	3737111.95	7.60481	(16122324)	400162.79	3737111.95	7.79597	(16122324)
400182.79	3737111.95	7.92553	(16122324)	398682.79	3737131.95	3.94195	(15091504)
398702.79	3737131.95	4.08362	(15091504)	398722.79	3737131.95	4.11895	(15091504)
398742.79	3737131.95	4.14112	(15091504)	398762.79	3737131.95	4.17026	(15091504)
398782.79	3737131.95	4.21524	(12041103)	398802.79	3737131.95	4.26501	(12041103)
398822.79	3737131.95	4.30761	(12041103)	398842.79	3737131.95	4.35325	(14022805)
398862.79	3737131.95	4.40925	(14022805)	398882.79	3737131.95	4.46427	(14022805)
398902.79	3737131.95	4.50970	(14022805)	398922.79	3737131.95	4.55338	(14022805)
398942.79	3737131.95	4.58815	(14022805)	398962.79	3737131.95	4.62555	(14022805)

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        398982.79   3737131.95        4.64371  (14022805)                399002.79
3737131.95        4.65217  (14022805)
        399022.79   3737131.95        4.73123  (13041201)                399042.79
3737131.95        4.82303  (13041201)
        399062.79   3737131.95        4.90104  (13041201)                399082.79
3737131.95        4.97407  (13041201)
        399102.79   3737131.95        5.03835  (13041201)                399122.79
3737131.95        5.09410  (13041201)
        399142.79   3737131.95        5.14161  (13041201)                399162.79
3737131.95        5.17355  (13041201)
        399182.79   3737131.95        5.18380  (13041201)                399202.79
3737131.95        5.25008  (13111502)
        399222.79   3737131.95        5.33705  (13111502)                399242.79
3737131.95        5.41776  (13111502)
        399262.79   3737131.95        5.48400  (13111502)                399282.79
3737131.95        5.53975  (14121119)
        399302.79   3737131.95        5.61524  (16051423)                399322.79
3737131.95        5.68312  (16051423)
        399342.79   3737131.95        5.73269  (16051423)                399362.79
3737131.95        5.76691  (16051423)
        399382.79   3737131.95        5.83712  (14022703)                399402.79
3737131.95        5.91182  (14022703)
        399422.79   3737131.95        5.98601  (14022703)                399442.79
3737131.95        6.02643  (14022703)
        399462.79   3737131.95        6.05912  (14121121)                399482.79
3737131.95        6.09304  (14121121)
        399502.79   3737131.95        6.09554  (14121121)                399522.79
3737131.95        6.18270  (16122318)
        399542.79   3737131.95        6.28666  (16122323)                399562.79
3737131.95        6.38628  (16122323)
        399582.79   3737131.95        6.47303  (16122323)                399602.79
3737131.95        6.52496  (15101301)
        399622.79   3737131.95        6.60784  (15101301)                399642.79
3737131.95        6.65822  (15101301)
        399662.79   3737131.95        6.67390  (15101301)                399682.79
3737131.95        6.65327  (15101301)
        399702.79   3737131.95        6.70009  (12031705)                399722.79
3737131.95        6.81812  (12031705)
        399742.79   3737131.95        6.94055  (15060923)                399762.79
3737131.95        7.02591  (15060923)
        399782.79   3737131.95        7.07331  (15060923)                399802.79
3737131.95        7.09017  (12042819)
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                                   ***        10:15:03

                                  PAGE 202
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
399822.79	3737131.95	7.15064	(12052319)	399842.79	3737131.95	7.26250	(12052319)
399862.79	3737131.95	7.31892	(12052319)	399882.79	3737131.95	7.33251	(12052319)
399902.79	3737131.95	7.30713	(12052424)	399922.79	3737131.95	7.41593	(12052424)
399942.79	3737131.95	7.47315	(12052424)	399962.79	3737131.95	7.47639	(12052424)
399982.79	3737131.95	7.42421	(12052424)	400002.79	3737131.95	7.35718	(16063019)
400022.79	3737131.95	7.42101	(16063019)	400042.79	3737131.95	7.40989	(16063019)
400062.79	3737131.95	7.34168	(16063019)	400082.79	3737131.95	7.41943	(14031218)
400102.79	3737131.95	7.43007	(14031218)	400122.79	3737131.95	7.38989	(14031218)
400142.79	3737131.95	7.42456	(16122324)	400162.79	3737131.95	7.62404	(16122324)
400182.79	3737131.95	7.75228	(16122324)	398682.79	3737151.95	3.98279	(15091504)
398702.79	3737151.95	4.04635	(15091504)	398722.79	3737151.95	4.06337	(15091504)
398742.79	3737151.95	4.08282	(15091504)	398762.79	3737151.95	4.12737	(12041103)
398782.79	3737151.95	4.17816	(12041103)	398802.79	3737151.95	4.22575	(12041103)
398822.79	3737151.95	4.27019	(14022805)	398842.79	3737151.95	4.33137	(14022805)
398862.79	3737151.95	4.37578	(14022805)	398882.79	3737151.95	4.42122	(14022805)
398902.79	3737151.95	4.45900	(14022805)	398922.79	3737151.95	4.49252	(14022805)
398942.79	3737151.95	4.52279	(14022805)	398962.79	3737151.95	4.54309	(14022805)
398982.79	3737151.95	4.54777	(14022805)	399002.79	3737151.95	4.63449	(13041201)

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        399022.79   3737151.95        4.73063  (13041201)                399042.79
3737151.95        4.80974  (13041201)
        399062.79   3737151.95        4.87557  (13041201)                399082.79
3737151.95        4.93334  (13041201)
        399102.79   3737151.95        4.98891  (13041201)                399122.79
3737151.95        5.03364  (13041201)
        399142.79   3737151.95        5.05826  (13041201)                399162.79
3737151.95        5.08030  (13041201)
        399182.79   3737151.95        5.16310  (13111502)                399202.79
3737151.95        5.24193  (13111502)
        399222.79   3737151.95        5.29030  (13111502)                399242.79
3737151.95        5.34074  (13111502)
        399262.79   3737151.95        5.40424  (14121119)                399282.79
3737151.95        5.48832  (16051423)
        399302.79   3737151.95        5.55403  (16051423)                399322.79
3737151.95        5.60713  (16051423)
        399342.79   3737151.95        5.64538  (16051423)                399362.79
3737151.95        5.68921  (14022703)
        399382.79   3737151.95        5.76407  (14022703)                399402.79
3737151.95        5.83691  (14022703)
        399422.79   3737151.95        5.89649  (14022703)                399442.79
3737151.95        5.91944  (14121121)
        399462.79   3737151.95        5.94643  (14121121)                399482.79
3737151.95        5.96203  (14121121)
        399502.79   3737151.95        6.03185  (16122318)                399522.79
3737151.95        6.13430  (16122323)
        399542.79   3737151.95        6.23709  (16122323)                399562.79
3737151.95        6.31481  (16122323)
        399582.79   3737151.95        6.36534  (16122323)                399602.79
3737151.95        6.44715  (15101301)
        399622.79   3737151.95        6.51014  (15101301)                399642.79
3737151.95        6.54112  (15101301)
        399662.79   3737151.95        6.53833  (15101301)                399682.79
3737151.95        6.50027  (15101301)
        399702.79   3737151.95        6.62683  (12031705)                399722.79
3737151.95        6.73164  (15060923)
        399742.79   3737151.95        6.83775  (15060923)                399762.79
3737151.95        6.90643  (15060923)
        399782.79   3737151.95        6.93522  (15060923)                399802.79
3737151.95        6.96301  (12042819)
        399822.79   3737151.95        7.03259  (12052319)                399842.79
3737151.95        7.12013  (12052319)
        399862.79   3737151.95        7.16388  (12052319)                399882.79
3737151.95        7.16152  (12052319)
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                        ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                                  ***        10:15:03
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
399902.79	3737151.95	7.19331	(12052424)	399922.79	3737151.95	7.28456	(12052424)
399942.79	3737151.95	7.32617	(12052424)	399962.79	3737151.95	7.31601	(12052424)
399982.79	3737151.95	7.24297	(12052424)	400002.79	3737151.95	7.24789	(16063019)
400022.79	3737151.95	7.28123	(16063019)	400042.79	3737151.95	7.26068	(16063019)
400062.79	3737151.95	7.21138	(14031218)	400082.79	3737151.95	7.28798	(14031218)
400102.79	3737151.95	7.30918	(14031218)	400122.79	3737151.95	7.26201	(14031218)
400142.79	3737151.95	7.27931	(16122324)	400162.79	3737151.95	7.47054	(16122324)
400182.79	3737151.95	7.58488	(16122324)	398682.79	3737171.95	3.97014	(15091504)
398702.79	3737171.95	3.99431	(15091504)	398722.79	3737171.95	4.01004	(12041103)
398742.79	3737171.95	4.05146	(12041103)	398762.79	3737171.95	4.09172	(12041103)
398782.79	3737171.95	4.13418	(12041103)	398802.79	3737171.95	4.19044	(14022805)
398822.79	3737171.95	4.24392	(14022805)	398842.79	3737171.95	4.29380	(14022805)
398862.79	3737171.95	4.33029	(14022805)	398882.79	3737171.95	4.36876	(14022805)
398902.79	3737171.95	4.40155	(14022805)	398922.79	3737171.95	4.42652	(14022805)
398942.79	3737171.95	4.44710	(14022805)	398962.79	3737171.95	4.45288	(13041201)
398982.79	3737171.95	4.54084	(13041201)	399002.79	3737171.95	4.62849	(13041201)
399022.79	3737171.95	4.71000	(13041201)	399042.79	3737171.95	4.77538	(13041201)

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        399062.79   3737171.95        4.83556  (13041201)               399082.79
3737171.95        4.88707  (13041201)
        399102.79   3737171.95        4.92722  (13041201)               399122.79
3737171.95        4.95717  (13041201)
        399142.79   3737171.95        4.97010  (13041201)               399162.79
3737171.95        5.04550  (13111502)
        399182.79   3737171.95        5.12627  (13111502)               399202.79
3737171.95        5.19436  (13111502)
        399222.79   3737171.95        5.24736  (13111502)               399242.79
3737171.95        5.27970  (13111502)
        399262.79   3737171.95        5.33630  (16051423)               399282.79
3737171.95        5.41877  (16051423)
        399302.79   3737171.95        5.48351  (16051423)               399322.79
3737171.95        5.51792  (16051423)
        399342.79   3737171.95        5.55287  (14022703)               399362.79
3737171.95        5.62605  (14022703)
        399382.79   3737171.95        5.69253  (14022703)               399402.79
3737171.95        5.75980  (14022703)
        399422.79   3737171.95        5.79857  (14121121)               399442.79
3737171.95        5.82378  (14121121)
        399462.79   3737171.95        5.83606  (14121121)               399482.79
3737171.95        5.85924  (16122318)
        399502.79   3737171.95        5.96611  (16122318)               399522.79
3737171.95        6.06705  (16122323)
        399542.79   3737171.95        6.15831  (16122323)               399562.79
3737171.95        6.21790  (16122323)
        399582.79   3737171.95        6.28670  (15101301)               399602.79
3737171.95        6.36067  (15101301)
        399622.79   3737171.95        6.40503  (15101301)               399642.79
3737171.95        6.41795  (15101301)
        399662.79   3737171.95        6.39800  (15101301)               399682.79
3737171.95        6.43409  (12031705)
        399702.79   3737171.95        6.54626  (12031705)               399722.79
3737171.95        6.64572  (15060923)
        399742.79   3737171.95        6.73275  (15060923)               399762.79
3737171.95        6.78309  (15060923)
        399782.79   3737171.95        6.81465  (12042819)               399802.79
3737171.95        6.82373  (12042819)
        399822.79   3737171.95        6.92332  (12052319)               399842.79
3737171.95        6.98500  (12052319)
        399862.79   3737171.95        7.01069  (12052319)               399882.79
3737171.95        6.99229  (12052319)
        399902.79   3737171.95        7.07798  (12052424)               399922.79
3737171.95        7.15293  (12052424)
        399942.79   3737171.95        7.18016  (12052424)               399962.79
3737171.95        7.15799  (12052424)
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                                   ***        10:15:03
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
399982.79	3737171.95	7.08071	(12052424)	400002.79	3737171.95	7.12107	(16063019)
400022.79	3737171.95	7.14345	(16063019)	400042.79	3737171.95	7.11451	(16063019)
400062.79	3737171.95	7.09203	(14031218)	400082.79	3737171.95	7.15888	(14031218)
400102.79	3737171.95	7.17286	(14031218)	400122.79	3737171.95	7.13294	(14031218)
400142.79	3737171.95	7.15482	(16122324)	400162.79	3737171.95	7.31545	(16122324)
400182.79	3737171.95	7.42308	(16122324)	398682.79	3737191.95	3.92452	(15091504)
398702.79	3737191.95	3.94652	(12041103)	398722.79	3737191.95	3.98209	(12041103)
398742.79	3737191.95	4.01859	(12041103)	398762.79	3737191.95	4.05112	(14022805)
398782.79	3737191.95	4.11383	(14022805)	398802.79	3737191.95	4.16429	(14022805)
398822.79	3737191.95	4.21738	(14022805)	398842.79	3737191.95	4.25433	(14022805)
398862.79	3737191.95	4.28401	(14022805)	398882.79	3737191.95	4.31492	(14022805)
398902.79	3737191.95	4.33874	(14022805)	398922.79	3737191.95	4.35670	(14022805)
398942.79	3737191.95	4.37600	(13041201)	398962.79	3737191.95	4.44974	(13041201)
398982.79	3737191.95	4.52859	(13041201)	399002.79	3737191.95	4.60439	(13041201)
399022.79	3737191.95	4.67397	(13041201)	399042.79	3737191.95	4.73072	(13041201)
399062.79	3737191.95	4.78059	(13041201)	399082.79	3737191.95	4.81964	(13041201)

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        399102.79   3737191.95        4.84854  (13041201)                399122.79
3737191.95        4.86859  (13041201)
        399142.79   3737191.95        4.93700  (13111502)                399162.79
3737191.95        5.00629  (13111502)
        399182.79   3737191.95        5.08524  (13111502)                399202.79
3737191.95        5.14122  (13111502)
        399222.79   3737191.95        5.18372  (13111502)                399242.79
3737191.95        5.22090  (16051423)
        399262.79   3737191.95        5.27800  (16051423)                399282.79
3737191.95        5.33398  (16051423)
        399302.79   3737191.95        5.38257  (16051423)                399322.79
3737191.95        5.42024  (15030121)
        399342.79   3737191.95        5.49690  (14022703)                399362.79
3737191.95        5.55574  (14022703)
        399382.79   3737191.95        5.62500  (14022703)                399402.79
3737191.95        5.67818  (14121121)
        399422.79   3737191.95        5.70517  (14121121)                399442.79
3737191.95        5.72373  (14121121)
        399462.79   3737191.95        5.72299  (14121121)                399482.79
3737191.95        5.82725  (16122318)
        399502.79   3737191.95        5.91419  (16122318)                399522.79
3737191.95        6.00044  (16122323)
        399542.79   3737191.95        6.05968  (16122323)                399562.79
3737191.95        6.12565  (15101301)
        399582.79   3737191.95        6.21060  (15101301)                399602.79
3737191.95        6.26663  (15101301)
        399622.79   3737191.95        6.29350  (15101301)                399642.79
3737191.95        6.28966  (15101301)
        399662.79   3737191.95        6.25392  (15101301)                399682.79
3737191.95        6.36548  (12031705)
        399702.79   3737191.95        6.45938  (12031705)                399722.79
3737191.95        6.55404  (15060923)
        399742.79   3737191.95        6.62317  (15060923)                399762.79
3737191.95        6.65659  (15060923)
        399782.79   3737191.95        6.68652  (12042819)                399802.79
3737191.95        6.69701  (12052319)
        399822.79   3737191.95        6.79896  (12052319)                399842.79
3737191.95        6.84747  (12052319)
        399862.79   3737191.95        6.85989  (12052319)                399882.79
3737191.95        6.86634  (12052424)
        399902.79   3737191.95        6.96258  (12052424)                399922.79
3737191.95        7.02155  (12052424)
        399942.79   3737191.95        7.03565  (12052424)                399962.79
3737191.95        6.99777  (12052424)
        399982.79   3737191.95        6.93520  (16063019)                400002.79
3737191.95        6.99550  (16063019)
        400022.79   3737191.95        7.00787  (16063019)                400042.79
3737191.95        6.97133  (16063019)
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
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*** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL   ***
INCLUDING SOURCE(S):   STCK1   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10   IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
400062.79	3737191.95	6.97433	(14031218)	400082.79	3737191.95	7.03227	(14031218)
400102.79	3737191.95	7.03963	(14031218)	400122.79	3737191.95	6.99566	(14031218)
400142.79	3737191.95	7.01349	(16122324)	400162.79	3737191.95	7.16527	(16122324)
400182.79	3737191.95	7.26661	(16122324)	398682.79	3737211.95	3.88636	(12041103)
398702.79	3737211.95	3.92147	(12041103)	398722.79	3737211.95	3.95495	(12041103)
398742.79	3737211.95	3.99191	(14022805)	398762.79	3737211.95	4.03628	(14022805)
398782.79	3737211.95	4.09075	(14022805)	398802.79	3737211.95	4.13614	(14022805)
398822.79	3737211.95	4.17330	(14022805)	398842.79	3737211.95	4.20587	(14022805)
398862.79	3737211.95	4.23235	(14022805)	398882.79	3737211.95	4.25034	(14022805)
398902.79	3737211.95	4.26542	(14022805)	398922.79	3737211.95	4.29088	(13041201)
398942.79	3737211.95	4.37194	(13041201)	398962.79	3737211.95	4.44532	(13041201)
398982.79	3737211.95	4.50891	(13041201)	399002.79	3737211.95	4.56913	(13041201)
399022.79	3737211.95	4.62162	(13041201)	399042.79	3737211.95	4.67246	(13041201)
399062.79	3737211.95	4.72084	(13041201)	399082.79	3737211.95	4.74652	(13041201)
399102.79	3737211.95	4.76561	(13041201)	399122.79	3737211.95	4.83781	(13111502)

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        399142.79   3737211.95        4.91201  (13111502)               399162.79
3737211.95        4.96494  (13111502)
        399182.79   3737211.95        5.02713  (13111502)               399202.79
3737211.95        5.07630  (13111502)
        399222.79   3737211.95        5.11038  (16051423)               399242.79
3737211.95        5.16036  (16051423)
        399262.79   3737211.95        5.21409  (16051423)               399282.79
3737211.95        5.25622  (16051423)
        399302.79   3737211.95        5.29681  (15030121)               399322.79
3737211.95        5.35496  (14022703)
        399342.79   3737211.95        5.42375  (14022703)               399362.79
3737211.95        5.48484  (14022703)
        399382.79   3737211.95        5.56130  (14121121)               399402.79
3737211.95        5.60613  (14121121)
        399422.79   3737211.95        5.62570  (14121121)               399442.79
3737211.95        5.62560  (14121121)
        399462.79   3737211.95        5.68690  (16122318)               399482.79
3737211.95        5.77689  (16122318)
        399502.79   3737211.95        5.85228  (16122323)               399522.79
3737211.95        5.92627  (16122323)
        399542.79   3737211.95        5.97518  (16122323)               399562.79
3737211.95        6.05202  (15101301)
        399582.79   3737211.95        6.12691  (15101301)               399602.79
3737211.95        6.16602  (15101301)
        399622.79   3737211.95        6.17657  (15101301)               399642.79
3737211.95        6.15722  (15101301)
        399662.79   3737211.95        6.18376  (12031705)               399682.79
3737211.95        6.29036  (12031705)
        399702.79   3737211.95        6.37220  (15060923)               399722.79
3737211.95        6.45747  (15060923)
        399742.79   3737211.95        6.50991  (15060923)               399762.79
3737211.95        6.54180  (12042819)
        399782.79   3737211.95        6.56218  (12042819)               399802.79
3737211.95        6.58920  (12052319)
        399822.79   3737211.95        6.68265  (12052319)               399842.79
3737211.95        6.71773  (12052319)
        399862.79   3737211.95        6.70207  (12052319)               399882.79
3737211.95        6.75590  (12052424)
        399902.79   3737211.95        6.84439  (12052424)               399922.79
3737211.95        6.89052  (12052424)
        399942.79   3737211.95        6.89268  (12052424)               399962.79
3737211.95        6.84513  (12052424)
        399982.79   3737211.95        6.82219  (16063019)               400002.79
3737211.95        6.87136  (16063019)
        400022.79   3737211.95        6.87461  (16063019)               400042.79
3737211.95        6.83122  (16063019)
        400062.79   3737211.95        6.85839  (14031218)               400082.79
3737211.95        6.90804  (14031218)
        400102.79   3737211.95        6.90940  (14031218)               400122.79
3737211.95        6.86185  (14031218)
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     STCK1       ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)             X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
        400142.79   3737211.95       6.87625  (16122324)               400162.79
3737211.95        7.01970  (16122324)
        400182.79   3737211.95       7.11520  (16122324)               398682.79
3737231.95        3.85188  (12041103)
        398702.79   3737231.95       3.88475  (12041103)               398722.79
3737231.95        3.92825  (12101805)
        398742.79   3737231.95       3.97201  (12101805)               398762.79
3737231.95        4.01019  (14022805)
        398782.79   3737231.95       4.05358  (14022805)               398802.79
3737231.95        4.09376  (14022805)
        398822.79   3737231.95       4.12526  (14022805)               398842.79
3737231.95        4.14906  (14022805)
        398862.79   3737231.95       4.16963  (14022805)               398882.79
3737231.95        4.18133  (14022805)
        398902.79   3737231.95       4.21619  (13041201)               398922.79
3737231.95        4.28879  (13041201)
        398942.79   3737231.95       4.35764  (13041201)               398962.79
3737231.95        4.42550  (13041201)
        398982.79   3737231.95       4.48715  (13041201)               399002.79
3737231.95        4.53315  (13041201)
        399022.79   3737231.95       4.57002  (13041201)               399042.79
3737231.95        4.61259  (13041201)
        399062.79   3737231.95       4.65147  (13041201)               399082.79
3737231.95        4.66611  (13041201)
        399102.79   3737231.95       4.73869  (13111502)               399122.79
3737231.95        4.80302  (13111502)
        399142.79   3737231.95       4.85858  (13111502)               399162.79
3737231.95        4.91699  (13111502)
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        399182.79   3737231.95        4.96841  (13111502)                399202.79
3737231.95        5.00446  (13111502)
        399222.79   3737231.95        5.06207  (16051423)                399242.79
3737231.95        5.10875  (16051423)
        399262.79   3737231.95        5.14464  (16051423)                399282.79
3737231.95        5.18519  (15030121)
        399302.79   3737231.95        5.24335  (14022703)                399322.79
3737231.95        5.30341  (14022703)
        399342.79   3737231.95        5.35806  (14022703)                399362.79
3737231.95        5.43835  (14121121)
        399382.79   3737231.95        5.48607  (14121121)                399402.79
3737231.95        5.51790  (14121121)
        399422.79   3737231.95        5.52951  (14121121)                399442.79
3737231.95        5.55485  (16122318)
        399462.79   3737231.95        5.64173  (16122318)                399482.79
3737231.95        5.70906  (16122318)
        399502.79   3737231.95        5.78302  (16122323)                399522.79
3737231.95        5.84142  (16122323)
        399542.79   3737231.95        5.91176  (15101301)                399562.79
3737231.95        5.98658  (15101301)
        399582.79   3737231.95        6.03180  (15101301)                399602.79
3737231.95        6.05105  (15101301)
        399622.79   3737231.95        6.05514  (15101301)                399642.79
3737231.95        6.02154  (15101301)
        399662.79   3737231.95        6.11957  (12031705)                399682.79
3737231.95        6.20958  (12031705)
        399702.79   3737231.95        6.28780  (15060923)                399722.79
3737231.95        6.35666  (15060923)
        399742.79   3737231.95        6.39365  (15060923)                399762.79
3737231.95        6.43010  (12042819)
        399782.79   3737231.95        6.43598  (12042819)                399802.79
3737231.95        6.47920  (12052319)
        399822.79   3737231.95        6.53986  (12052319)                399842.79
3737231.95        6.57850  (12052319)
        399862.79   3737231.95        6.55079  (12052319)                399882.79
3737231.95        6.65270  (12052424)
        399902.79   3737231.95        6.72693  (12052424)                399922.79
3737231.95        6.76039  (12052424)
        399942.79   3737231.95        6.74725  (12052424)                399962.79
3737231.95        6.69273  (12052424)
        399982.79   3737231.95        6.70806  (16063019)                400002.79
3737231.95        6.74886  (16063019)
        400022.79   3737231.95        6.74379  (16063019)                400042.79
3737231.95        6.69418  (16063019)
        400062.79   3737231.95        6.74427  (14031218)                400082.79
3737231.95        6.78631  (14031218)
        400102.79   3737231.95        6.78222  (14031218)                400122.79
3737231.95        6.73146  (14031218)
        400142.79   3737231.95        6.74304  (16122324)                400162.79
3737231.95        6.87883  (16122324)
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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
398702.79	3737251.95	3.86028	(12101805)	398722.79	3737251.95	3.90403	(12101805)
398742.79	3737251.95	3.95208	(12101805)	398762.79	3737251.95	3.98473	(12101805)
398782.79	3737251.95	4.01152	(14022805)	398802.79	3737251.95	4.04621	(14022805)
398822.79	3737251.95	4.06676	(14022805)	398842.79	3737251.95	4.08271	(14022805)
398862.79	3737251.95	4.09749	(14022805)	398882.79	3737251.95	4.13588	(13041201)
398902.79	3737251.95	4.20628	(13041201)	398922.79	3737251.95	4.27575	(13041201)
398942.79	3737251.95	4.33708	(13041201)	398962.79	3737251.95	4.38750	(13041201)
398982.79	3737251.95	4.44365	(13041201)	399002.79	3737251.95	4.49403	(13041201)
399022.79	3737251.95	4.52522	(13041201)	399042.79	3737251.95	4.54966	(13041201)
399062.79	3737251.95	4.57252	(13041201)	399082.79	3737251.95	4.63992	(13111502)
399102.79	3737251.95	4.71149	(13111502)	399122.79	3737251.95	4.77030	(13111502)
399142.79	3737251.95	4.82391	(13111502)	399162.79	3737251.95	4.87336	(13111502)
399182.79	3737251.95	4.89766	(13111502)	399202.79	3737251.95	4.94538	(16051423)

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        399222.79   3737251.95        5.00518  (16051423)              399242.79
3737251.95        5.05029  (16051423)
        399262.79   3737251.95        5.09177  (15030121)              399282.79
3737251.95        5.12663  (15030121)
        399302.79   3737251.95        5.18887  (14022703)              399322.79
3737251.95        5.23709  (14022703)
        399342.79   3737251.95        5.30747  (14121121)              399362.79
3737251.95        5.36734  (14121121)
        399382.79   3737251.95        5.40578  (14121121)              399402.79
3737251.95        5.42277  (14121121)
        399422.79   3737251.95        5.42110  (14121121)              399442.79
3737251.95        5.50891  (16122318)
        399462.79   3737251.95        5.58118  (16122318)              399482.79
3737251.95        5.64200  (16122323)
        399502.79   3737251.95        5.70668  (16122323)              399522.79
3737251.95        5.76417  (15101301)
        399542.79   3737251.95        5.84647  (15101301)              399562.79
3737251.95        5.90572  (15101301)
        399582.79   3737251.95        5.92736  (15101301)              399602.79
3737251.95        5.93492  (15101301)
        399622.79   3737251.95        5.92078  (15101301)              399642.79
3737251.95        5.94824  (12031705)
        399662.79   3737251.95        6.04950  (12031705)              399682.79
3737251.95        6.12389  (12031705)
        399702.79   3737251.95        6.19889  (15060923)              399722.79
3737251.95        6.25254  (15060923)
        399742.79   3737251.95        6.28946  (12042819)              399762.79
3737251.95        6.31593  (12042819)
        399782.79   3737251.95        6.30849  (12042819)              399802.79
3737251.95        6.36768  (12052319)
        399822.79   3737251.95        6.41436  (12052319)              399842.79
3737251.95        6.42591  (12052319)
        399862.79   3737251.95        6.45013  (12052424)              399882.79
3737251.95        6.54853  (12052424)
        399902.79   3737251.95        6.60950  (12052424)              399922.79
3737251.95        6.63129  (12052424)
        399942.79   3737251.95        6.61163  (12052424)              399962.79
3737251.95        6.54926  (12052424)
        399982.79   3737251.95        6.59402  (16063019)              400002.79
3737251.95        6.62806  (16063019)
        400022.79   3737251.95        6.61547  (16063019)              400042.79
3737251.95        6.56029  (16063019)
        400062.79   3737251.95        6.63201  (14031218)              400082.79
3737251.95        6.66707  (14031218)
        400102.79   3737251.95        6.65798  (14031218)              400122.79
3737251.95        6.60441  (14031218)
        400142.79   3737251.95        6.61360  (16122324)              400162.79
3737251.95        6.74220  (16122324)
        400182.79   3737251.95        6.82707  (16122324)              398682.79
3737271.95        3.80416  (12101805)
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        398702.79   3737271.95        3.84207  (12101805)                398722.79
3737271.95        3.87947  (12101805)
        398742.79   3737271.95        3.91957  (12101805)                398762.79
3737271.95        3.94927  (12101805)
↑ *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                        ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                        ***        10:15:03

                                  PAGE 208
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     STCK1       ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
        398782.79   3737271.95        3.96253  (14022805)                398802.79
3737271.95        3.99146  (14022805)
        398822.79   3737271.95        4.00354  (14022805)                398842.79
3737271.95        4.00724  (14022805)
        398862.79   3737271.95        4.05070  (13041201)                398882.79
3737271.95        4.12235  (13041201)
        398902.79   3737271.95        4.19006  (13041201)                398922.79
3737271.95        4.25559  (13041201)
        398942.79   3737271.95        4.30984  (13041201)                398962.79
3737271.95        4.35345  (13041201)
        398982.79   3737271.95        4.39517  (13041201)                399002.79
3737271.95        4.43476  (13041201)
        399022.79   3737271.95        4.46373  (13041201)                399042.79
3737271.95        4.48107  (13041201)
        399062.79   3737271.95        4.53897  (13111502)                399082.79
3737271.95        4.60203  (13111502)
        399102.79   3737271.95        4.66845  (13111502)                399122.79
3737271.95        4.73040  (13111502)
        399142.79   3737271.95        4.77447  (13111502)                399162.79
3737271.95        4.80650  (13111502)
        399182.79   3737271.95        4.83919  (16051423)                399202.79
3737271.95        4.89613  (16051423)
        399222.79   3737271.95        4.94506  (15030121)                399242.79
3737271.95        4.99617  (15030121)
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        399262.79   3737271.95        5.03345  (15030121)              399282.79
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3737271.95        5.17817  (14121121)
        399342.79   3737271.95        5.25138  (14121121)              399362.79
3737271.95        5.29509  (14121121)
        399382.79   3737271.95        5.31683  (14121121)              399402.79
3737271.95        5.32165  (14121121)
        399422.79   3737271.95        5.37864  (16122318)              399442.79
3737271.95        5.45508  (16122318)
        399462.79   3737271.95        5.51335  (16122318)              399482.79
3737271.95        5.57360  (16122323)
        399502.79   3737271.95        5.62407  (16122323)              399522.79
3737271.95        5.70709  (15101301)
        399542.79   3737271.95        5.77441  (15101301)              399562.79
3737271.95        5.81893  (15101301)
        399582.79   3737271.95        5.83099  (15101301)              399602.79
3737271.95        5.82485  (15101301)
        399622.79   3737271.95        5.80061  (15101301)              399642.79
3737271.95        5.88813  (12031705)
        399662.79   3737271.95        5.97438  (12031705)              399682.79
3737271.95        6.03787  (15060923)
        399702.79   3737271.95        6.10613  (15060923)              399722.79
3737271.95        6.14560  (15060923)
        399742.79   3737271.95        6.18695  (12042819)              399762.79
3737271.95        6.19996  (12042819)
        399782.79   3737271.95        6.19052  (12052319)              399802.79
3737271.95        6.25504  (12052319)
        399822.79   3737271.95        6.28881  (12052319)              399842.79
3737271.95        6.29456  (15030119)
        399862.79   3737271.95        6.35858  (12052424)              399882.79
3737271.95        6.44363  (12052424)
        399902.79   3737271.95        6.49245  (12052424)              399922.79
3737271.95        6.50339  (12052424)
        399942.79   3737271.95        6.47548  (12052424)              399962.79
3737271.95        6.42810  (16063019)
        399982.79   3737271.95        6.48735  (16063019)              400002.79
3737271.95        6.50906  (16063019)
        400022.79   3737271.95        6.48959  (16063019)              400042.79
3737271.95        6.45194  (14031218)
        400062.79   3737271.95        6.52168  (14031218)              400082.79
3737271.95        6.55031  (14031218)
        400102.79   3737271.95        6.53668  (14031218)              400122.79
3737271.95        6.48060  (14031218)
        400142.79   3737271.95        6.48786  (16122324)              400162.79
3737271.95        6.60974  (16122324)
        400182.79   3737271.95        6.69760  (16122324)              398682.79
3737291.95        3.78680  (12101805)
        398702.79   3737291.95        3.81630  (12101805)              398722.79
3737291.95        3.84899  (12101805)
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                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                  INCLUDING SOURCE(S):   STCK1   ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                     ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        398862.79   3737291.95   4.04386 (13041201)   398882.79
3737291.95   4.10394 (13041201)
        398902.79   3737291.95   4.16283 (13041201)   398922.79
3737291.95   4.22101 (13041201)
        398942.79   3737291.95   4.27333 (13041201)   398962.79
3737291.95   4.31474 (13041201)
        398982.79   3737291.95   4.34604 (13041201)   399002.79
3737291.95   4.37327 (13041201)
        399022.79   3737291.95   4.39047 (13050504)   399042.79
3737291.95   4.44985 (13111502)
        399062.79   3737291.95   4.50927 (13111502)   399082.79
3737291.95   4.56496 (13111502)
        399102.79   3737291.95   4.62839 (13111502)   399122.79
3737291.95   4.67958 (13111502)
        399142.79   3737291.95   4.71238 (13111502)   399162.79
3737291.95   4.73698 (13111502)
        399182.79   3737291.95   4.78892 (16051423)   399202.79
3737291.95   4.84200 (15030121)
        399222.79   3737291.95   4.89478 (15030121)   399242.79
3737291.95   4.93510 (15030121)
        399262.79   3737291.95   4.95945 (14022703)   399282.79
3737291.95   5.01542 (14022703)

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        399302.79   3737291.95        5.06647  (14121121)              399322.79
3737291.95        5.14329  (14121121)
        399342.79   3737291.95        5.17963  (14121121)              399362.79
3737291.95        5.21192  (14121121)
        399382.79   3737291.95        5.22315  (14121121)              399402.79
3737291.95        5.25106  (16122318)
        399422.79   3737291.95        5.33098  (16122318)              399442.79
3737291.95        5.39408  (16122318)
        399462.79   3737291.95        5.44233  (16122323)              399482.79
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        399502.79   3737291.95        5.56888  (15101301)              399522.79
3737291.95        5.64328  (15101301)
        399542.79   3737291.95        5.69637  (15101301)              399562.79
3737291.95        5.72689  (15101301)
        399582.79   3737291.95        5.72722  (15101301)              399602.79
3737291.95        5.70979  (15101301)
        399622.79   3737291.95        5.72629  (12031705)              399642.79
3737291.95        5.82271  (12031705)
        399662.79   3737291.95        5.89459  (12031705)              399682.79
3737291.95        5.95590  (15060923)
        399702.79   3737291.95        6.01030  (15060923)              399722.79
3737291.95        6.05090  (12042819)
        399742.79   3737291.95        6.08216  (12042819)              399762.79
3737291.95        6.08271  (12042819)
        399782.79   3737291.95        6.08862  (12052319)              399802.79
3737291.95        6.14168  (12052319)
        399822.79   3737291.95        6.16340  (12052319)              399842.79
3737291.95        6.19918  (15030119)
        399862.79   3737291.95        6.26580  (12052424)              399882.79
3737291.95        6.33839  (12052424)
        399902.79   3737291.95        6.37592  (12052424)              399922.79
3737291.95        6.37684  (12052424)
        399942.79   3737291.95        6.34083  (12052424)              399962.79
3737291.95        6.33007  (16063019)
        399982.79   3737291.95        6.37907  (16063019)              400002.79
3737291.95        6.39197  (16063019)
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3737291.95        6.35121  (14031218)
        400062.79   3737291.95        6.41338  (14031218)              400082.79
3737291.95        6.43602  (14031218)
        400102.79   3737291.95        6.41827  (14031218)              400122.79
3737291.95        6.36004  (14031218)
        400142.79   3737291.95        6.36572  (16122324)              400162.79
3737291.95        6.48131  (16122324)
        400182.79   3737291.95        6.56774  (16122324)              398682.79
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        398702.79   3737311.95        3.78571  (12101805)              398722.79
3737311.95        3.81453  (12101805)
        398742.79   3737311.95        3.84512  (12101805)              398762.79
3737311.95        3.85366  (12101805)
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        398782.79   3737311.95        3.85264  (12101805)               398802.79
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3737311.95        3.97541  (13041201)
        398862.79   3737311.95        4.03096  (13041201)               398882.79
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        398902.79   3737311.95        4.13122  (13041201)               398922.79
3737311.95        4.17490  (13041201)
↑ *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                        ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                       ***       10:15:03

                                  PAGE 210
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     STCK1       ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                   **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)             X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
        398942.79   3737311.95        4.21897  (13041201)               398962.79
3737311.95        4.26168  (13041201)
        398982.79   3737311.95        4.28691  (13041201)               399002.79
3737311.95        4.31406  (13050504)
        399022.79   3737311.95        4.36996  (13050504)               399042.79
3737311.95        4.42420  (13111502)
        399062.79   3737311.95        4.47848  (13111502)               399082.79
3737311.95        4.53572  (13111502)
        399102.79   3737311.95        4.58529  (13111502)               399122.79
3737311.95        4.61960  (13111502)
        399142.79   3737311.95        4.64105  (13111502)               399162.79
3737311.95        4.67885  (16051423)
        399182.79   3737311.95        4.73452  (15030121)               399202.79
3737311.95        4.79516  (15030121)
        399222.79   3737311.95        4.83455  (15030121)               399242.79
3737311.95        4.86391  (15030121)
        399262.79   3737311.95        4.90911  (14022703)               399282.79
3737311.95        4.95868  (14121121)
        399302.79   3737311.95        5.02833  (14121121)               399322.79
3737311.95        5.07749  (14121121)
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        399342.79   3737311.95        5.11104  (14121121)               399362.79
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3737311.95        5.20913  (16122318)
        399422.79   3737311.95        5.27635  (16122318)               399442.79
3737311.95        5.32662  (16122318)
        399462.79   3737311.95        5.37504  (16122323)               399482.79
3737311.95        5.43229  (15101301)
        399502.79   3737311.95        5.51264  (15101301)               399522.79
3737311.95        5.57341  (15101301)
        399542.79   3737311.95        5.61306  (15101301)               399562.79
3737311.95        5.63046  (15101301)
        399582.79   3737311.95        5.62462  (15101301)               399602.79
3737311.95        5.59467  (15101301)
        399622.79   3737311.95        5.66988  (12031705)               399642.79
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        399662.79   3737311.95        5.81093  (12031705)               399682.79
3737311.95        5.87034  (15060923)
        399702.79   3737311.95        5.91168  (15060923)               399722.79
3737311.95        5.95678  (12042819)
        399742.79   3737311.95        5.97556  (12042819)               399762.79
3737311.95        5.96460  (12042819)
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3737311.95        6.02807  (12052319)
        399822.79   3737311.95        6.05499  (15030119)               399842.79
3737311.95        6.10267  (15030119)
        399862.79   3737311.95        6.17208  (12052424)               399882.79
3737311.95        6.23311  (12052424)
        399902.79   3737311.95        6.26014  (12052424)               399922.79
3737311.95        6.25216  (12052424)
        399942.79   3737311.95        6.21803  (12052424)               399962.79
3737311.95        6.23547  (16063019)
        399982.79   3737311.95        6.28167  (16063019)               400002.79
3737311.95        6.27678  (16063019)
        400022.79   3737311.95        6.24537  (16063019)               400042.79
3737311.95        6.25182  (14031218)
        400062.79   3737311.95        6.30707  (14031218)               400082.79
3737311.95        6.32426  (14031218)
        400102.79   3737311.95        6.30277  (14031218)               400122.79
3737311.95        6.24264  (14031218)
        400142.79   3737311.95        6.24706  (16122324)               400162.79
3737311.95        6.35611  (16122324)
        400182.79   3737311.95        6.43130  (16122324)               398682.79
3737331.95        3.73026  (12101805)
        398702.79   3737331.95        3.75401  (12101805)               398722.79
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        398742.79   3737331.95        3.79311  (12101805)               398762.79
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        398782.79   3737331.95        3.79673  (12101805)               398802.79
3737331.95        3.85397  (14072503)
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        399382.79   3737331.95        5.07347  (16122318)              399402.79
3737331.95        5.14621  (16122318)
        399422.79   3737331.95        5.21235  (16122318)              399442.79
3737331.95        5.25343  (16122318)
        399462.79   3737331.95        5.30221  (16122323)              399482.79
3737331.95        5.38315  (15101301)
        399502.79   3737331.95        5.45047  (15101301)              399522.79
3737331.95        5.49821  (15101301)
        399542.79   3737331.95        5.52518  (15101301)              399562.79
3737331.95        5.53025  (15101301)
        399582.79   3737331.95        5.51268  (15101301)              399602.79
3737331.95        5.52118  (12031705)
        399622.79   3737331.95        5.60884  (12031705)              399642.79
3737331.95        5.67827  (12031705)
        399662.79   3737331.95        5.72716  (15060923)              399682.79
3737331.95        5.78177  (15060923)
        399702.79   3737331.95        5.82523  (12042819)              399722.79
3737331.95        5.86021  (12042819)
        399742.79   3737331.95        5.86755  (12042819)              399762.79
3737331.95        5.84615  (12042819)
        399782.79   3737331.95        5.88469  (12052319)              399802.79
3737331.95        5.91437  (12052319)
        399822.79   3737331.95        5.96883  (15030119)              399842.79
3737331.95        6.00539  (15030119)
        399862.79   3737331.95        6.07785  (12052424)              399882.79
3737331.95        6.12798  (12052424)
        399902.79   3737331.95        6.15761  (12052424)              399922.79
3737331.95        6.13575  (12052424)
        399942.79   3737331.95        6.09792  (12052424)              399962.79
3737331.95        6.15205  (16063019)
        399982.79   3737331.95        6.17705  (16063019)              400002.79
3737331.95        6.16363  (16063019)
        400022.79   3737331.95        6.13695  (16063019)              400042.79
3737331.95        6.15562  (14031218)
        400062.79   3737331.95        6.20259  (14031218)              400082.79
3737331.95        6.21481  (14031218)
        400102.79   3737331.95        6.19000  (14031218)              400122.79
3737331.95        6.12821  (14031218)
        400142.79   3737331.95        6.13509  (15061619)              400162.79
3737331.95        6.23590  (16122324)
        400182.79   3737331.95        6.30354  (16122324)              398682.79
3737351.95        3.69295  (12101805)
        398702.79   3737351.95        3.71230  (12101805)              398722.79
3737351.95        3.73080  (12101805)
        398742.79   3737351.95        3.73773  (12101805)              398762.79
3737351.95        3.74735  (14072503)
        398782.79   3737351.95        3.80798  (14072503)              398802.79
3737351.95        3.86450  (14072503)
        398822.79   3737351.95        3.90716  (14072503)              398842.79
3737351.95        3.95443  (14072503)
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        399102.79   3737351.95   4.47186 (13111502)   399122.79
3737351.95   4.48676 (16051423)
        399142.79   3737351.95   4.53783 (15030121)   399162.79
3737351.95   4.58743 (15030121)
        399182.79   3737351.95   4.63123 (15030121)   399202.79
3737351.95   4.66290 (15030121)
        399222.79   3737351.95   4.69786 (14022703)   399242.79
3737351.95   4.75471 (14121121)
        399262.79   3737351.95   4.81027 (14121121)   399282.79
3737351.95   4.86689 (14121121)
        399302.79   3737351.95   4.89793 (14121121)   399322.79
3737351.95   4.92249 (14121121)
        399342.79   3737351.95   4.93429 (14121121)   399362.79
3737351.95   4.95603 (16122318)
        399382.79   3737351.95   5.02708 (16122318)   399402.79
3737351.95   5.08690 (16122318)

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        399422.79   3737351.95        5.13104  (16122318)              399442.79
3737351.95        5.17783  (16122323)
        399462.79   3737351.95        5.25506  (15101301)              399482.79
3737351.95        5.32805  (15101301)
        399502.79   3737351.95        5.38285  (15101301)              399522.79
3737351.95        5.41826  (15101301)
        399542.79   3737351.95        5.43329  (15101301)              399562.79
3737351.95        5.42695  (15101301)
        399582.79   3737351.95        5.39858  (15101301)              399602.79
3737351.95        5.46426  (12031705)
        399622.79   3737351.95        5.54334  (12031705)              399642.79
3737351.95        5.60045  (12031705)
        399662.79   3737351.95        5.64819  (15060923)              399682.79
3737351.95        5.69286  (15060923)
        399702.79   3737351.95        5.73847  (12042819)              399722.79
3737351.95        5.76199  (12042819)
        399742.79   3737351.95        5.75858  (12042819)              399762.79
3737351.95        5.73512  (12052319)
        399782.79   3737351.95        5.78176  (12052319)              399802.79
3737351.95        5.82556  (15030119)
        399822.79   3737351.95        5.88144  (15030119)              399842.79
3737351.95        5.91277  (12052424)
        399862.79   3737351.95        5.98328  (12052424)              399882.79
3737351.95        6.03773  (12052424)
        399902.79   3737351.95        6.06694  (12052424)              399922.79
3737351.95        6.02394  (12052424)
        399942.79   3737351.95        5.98700  (16063019)              399962.79
3737351.95        6.05336  (16063019)
        399982.79   3737351.95        6.07556  (16063019)              400002.79
3737351.95        6.05960  (16063019)
        400022.79   3737351.95        6.02201  (16063019)              400042.79
3737351.95        6.07038  (14031218)
        400062.79   3737351.95        6.10194  (14031218)              400082.79
3737351.95        6.11673  (14031218)
        400102.79   3737351.95        6.08383  (14031218)              400122.79
3737351.95        6.01885  (14031218)
        400142.79   3737351.95        6.04052  (15061619)              400162.79
3737351.95        6.13568  (16122324)
        400182.79   3737351.95        6.19761  (16122324)              398682.79
3737371.95        3.64772  (12101805)
        398702.79   3737371.95        3.66453  (12101805)              398722.79
3737371.95        3.66904  (12101805)
        398742.79   3737371.95        3.69135  (14072503)              398762.79
3737371.95        3.75148  (14072503)
        398782.79   3737371.95        3.80651  (14072503)              398802.79
3737371.95        3.85719  (14072503)
        398822.79   3737371.95        3.90311  (14072503)              398842.79
3737371.95        3.93877  (14072503)
        398862.79   3737371.95        3.96429  (14072503)              398882.79
3737371.95        3.99952  (14072503)
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
399182.79	3737371.95	4.57676	(15030121)	399202.79	3737371.95	4.60508	(15030121)
399222.79	3737371.95	4.65909	(14121121)	399242.79	3737371.95	4.71170	(14121121)
399262.79	3737371.95	4.76879	(14121121)	399282.79	3737371.95	4.80951	(14121121)
399302.79	3737371.95	4.83439	(14121121)	399322.79	3737371.95	4.84512	(14121121)
399342.79	3737371.95	4.84013	(16122318)	399362.79	3737371.95	4.91481	(16122318)
399382.79	3737371.95	4.97640	(16122318)	399402.79	3737371.95	5.02443	(16122318)
399422.79	3737371.95	5.05690	(16010317)	399442.79	3737371.95	5.12873	(15101301)

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        399462.79   3737371.95        5.20658  (15101301)              399482.79
3737371.95        5.26750  (15101301)
        399502.79   3737371.95        5.31045  (15101301)              399522.79
3737371.95        5.33426  (15101301)
        399542.79   3737371.95        5.33798  (15101301)              399562.79
3737371.95        5.32098  (15101301)
        399582.79   3737371.95        5.31972  (12031705)              399602.79
3737371.95        5.40707  (12031705)
        399622.79   3737371.95        5.47406  (12031705)              399642.79
3737371.95        5.51945  (12031705)
        399662.79   3737371.95        5.56636  (15060923)              399682.79
3737371.95        5.61175  (12042819)
        399702.79   3737371.95        5.65149  (12042819)              399722.79
3737371.95        5.66232  (12042819)
        399742.79   3737371.95        5.64905  (12042819)              399762.79
3737371.95        5.64234  (12052319)
        399782.79   3737371.95        5.67850  (12052319)              399802.79
3737371.95        5.74767  (15030119)
        399822.79   3737371.95        5.79318  (15030119)              399842.79
3737371.95        5.82845  (12052424)
        399862.79   3737371.95        5.88846  (12052424)              399882.79
3737371.95        5.93892  (12052424)
        399902.79   3737371.95        5.95256  (12052424)              399922.79
3737371.95        5.91519  (12052424)
        399942.79   3737371.95        5.90998  (16063019)              399962.79
3737371.95        5.96033  (16063019)
        399982.79   3737371.95        5.96901  (16063019)              400002.79
3737371.95        5.95567  (16063019)
        400022.79   3737371.95        5.90725  (16063019)              400042.79
3737371.95        5.97123  (14031218)
        400062.79   3737371.95        6.01524  (14031218)              400082.79
3737371.95        6.00978  (14031218)
        400102.79   3737371.95        5.98489  (14031218)              400122.79
3737371.95        5.91322  (14031218)
        400142.79   3737371.95        5.94979  (15061619)              400162.79
3737371.95        6.03250  (16122324)
        400182.79   3737371.95        6.09964  (16122324)              398682.79
3737391.95        3.60038  (12101805)
        398702.79   3737391.95        3.60938  (12101805)              398722.79
3737391.95        3.63584  (14072503)
        398742.79   3737391.95        3.69431  (14072503)              398762.79
3737391.95        3.74786  (14072503)
        398782.79   3737391.95        3.79683  (14072503)              398802.79
3737391.95        3.84122  (14072503)
        398822.79   3737391.95        3.88064  (14072503)              398842.79
3737391.95        3.91471  (14072503)
        398862.79   3737391.95        3.92640  (14072503)              398882.79
3737391.95        3.94887  (14072503)
        398902.79   3737391.95        3.96759  (14072503)              398922.79
3737391.95        4.02076  (13050504)
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        398942.79   3737391.95        4.06577  (13050504)                398962.79
3737391.95        4.11206  (13050504)
        398982.79   3737391.95        4.15764  (13111502)                399002.79
3737391.95        4.20816  (13111502)
        399022.79   3737391.95        4.24345  (13111502)                399042.79
3737391.95        4.28506  (13111502)
        399062.79   3737391.95        4.30953  (13111502)                399082.79
3737391.95        4.32691  (13111502)
        399102.79   3737391.95        4.37372  (15030121)                399122.79
3737391.95        4.41234  (15030121)
        399142.79   3737391.95        4.45461  (15030121)                399162.79
3737391.95        4.48860  (15030121)
        399182.79   3737391.95        4.51558  (15030121)                399202.79
3737391.95        4.56081  (14121121)
        399222.79   3737391.95        4.61875  (14121121)                399242.79
3737391.95        4.66869  (14121121)
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                   INCLUDING SOURCE(S):     STCK1       ,

                                            *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                         ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        399262.79   3737391.95        4.72191  (14121121)                399282.79
3737391.95        4.75034  (14121121)
        399302.79   3737391.95        4.76349  (14121121)                399322.79
3737391.95        4.76310  (14121121)
        399342.79   3737391.95        4.80631  (16122318)                399362.79
3737391.95        4.86934  (16122318)
        399382.79   3737391.95        4.91969  (16122318)                399402.79
3737391.95        4.95755  (16122318)
        399422.79   3737391.95        5.00225  (16010317)                399442.79
3737391.95        5.08627  (15101301)
        399462.79   3737391.95        5.15264  (15101301)                399482.79
3737391.95        5.20221  (15101301)
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        399502.79   3737391.95        5.23384  (15101301)              399522.79
3737391.95        5.24666  (15101301)
        399542.79   3737391.95        5.23992  (15101301)              399562.79
3737391.95        5.21501  (16091918)
        399582.79   3737391.95        5.27167  (13050519)              399602.79
3737391.95        5.34699  (13050519)
        399622.79   3737391.95        5.40200  (13050519)              399642.79
3737391.95        5.43986  (15060923)
        399662.79   3737391.95        5.49355  (15060923)              399682.79
3737391.95        5.53649  (12042819)
        399702.79   3737391.95        5.56363  (12042819)              399722.79
3737391.95        5.56175  (12042819)
        399742.79   3737391.95        5.53924  (12042819)              399762.79
3737391.95        5.54885  (12052319)
        399782.79   3737391.95        5.60604  (15030119)              399802.79
3737391.95        5.66837  (15030119)
        399822.79   3737391.95        5.70417  (15030119)              399842.79
3737391.95        5.74344  (12052424)
        399862.79   3737391.95        5.82632  (12052424)              399882.79
3737391.95        5.85122  (12052424)
        399902.79   3737391.95        5.84596  (12052424)              399922.79
3737391.95        5.80742  (12052424)
        399942.79   3737391.95        5.82560  (16063019)              399962.79
3737391.95        5.86756  (16063019)
        399982.79   3737391.95        5.86655  (16063019)              400002.79
3737391.95        5.84129  (16063019)
        400022.79   3737391.95        5.81716  (14031218)              400042.79
3737391.95        5.88816  (14031218)
        400062.79   3737391.95        5.91547  (14031218)              400082.79
3737391.95        5.90917  (14031218)
        400102.79   3737391.95        5.88235  (14031218)              400122.79
3737391.95        5.82257  (13052819)
        400142.79   3737391.95        5.85365  (15061619)              400162.79
3737391.95        5.93801  (16122324)
        400182.79   3737391.95        6.01245  (16122324)              398682.79
3737411.95        3.54598  (12101805)
        398702.79   3737411.95        3.57765  (14072503)              398722.79
3737411.95        3.63918  (14072503)
        398742.79   3737411.95        3.69058  (14072503)              398762.79
3737411.95        3.73791  (14072503)
        398782.79   3737411.95        3.78083  (14072503)              398802.79
3737411.95        3.81896  (14072503)
        398822.79   3737411.95        3.85074  (14072503)              398842.79
3737411.95        3.86707  (14072503)
        398862.79   3737411.95        3.88560  (14072503)              398882.79
3737411.95        3.89918  (14072503)
        398902.79   3737411.95        3.94153  (13050504)              398922.79
3737411.95        3.99071  (13050504)
        398942.79   3737411.95        4.04018  (13050504)              398962.79
3737411.95        4.08054  (13111502)
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        398982.79   3737411.95        4.12464  (13111502)               399002.79
3737411.95        4.16739  (13111502)
        399022.79   3737411.95        4.19758  (13111502)               399042.79
3737411.95        4.22723  (13111502)
        399062.79   3737411.95        4.24522  (13111502)               399082.79
3737411.95        4.28938  (15030121)
        399102.79   3737411.95        4.33225  (15030121)               399122.79
3737411.95        4.37168  (15030121)
        399142.79   3737411.95        4.40704  (15030121)               399162.79
3737411.95        4.43321  (15030121)
        399182.79   3737411.95        4.46477  (14121121)               399202.79
3737411.95        4.52218  (14121121)
        399222.79   3737411.95        4.57567  (14121121)               399242.79
3737411.95        4.62893  (14121121)
        399262.79   3737411.95        4.66044  (14121121)               399282.79
3737411.95        4.67936  (14121121)
        399302.79   3737411.95        4.68553  (14121121)               399322.79
3737411.95        4.70393  (16122318)
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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP:  ALL      ***
                                    INCLUDING SOURCE(S):     STCK1       ,

                                              *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                           ** CONC OF PM_10    IN MICROGRAMS/M**3                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        399342.79   3737411.95        4.76871  (16122318)               399362.79
3737411.95        4.82160  (16122318)
        399382.79   3737411.95        4.86069  (16122318)               399402.79
3737411.95        4.88832  (16010317)
        399422.79   3737411.95        4.96748  (15101301)               399442.79
3737411.95        5.03850  (15101301)
        399462.79   3737411.95        5.09389  (15101301)               399482.79
3737411.95        5.13257  (15101301)
        399502.79   3737411.95        5.15356  (15101301)               399522.79
3737411.95        5.15608  (15101301)
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        399542.79   3737411.95        5.13955  (15101301)               399562.79
3737411.95        5.13688  (13050519)
        399582.79   3737411.95        5.21977  (13050519)               399602.79
3737411.95        5.28398  (13050519)
        399622.79   3737411.95        5.32823  (13050519)               399642.79
3737411.95        5.36310  (15060923)
        399662.79   3737411.95        5.41530  (12042819)               399682.79
3737411.95        5.46081  (12042819)
        399702.79   3737411.95        5.47516  (12042819)               399722.79
3737411.95        5.46118  (12042819)
        399742.79   3737411.95        5.42946  (12042819)               399762.79
3737411.95        5.45835  (15030119)
        399782.79   3737411.95        5.53555  (15030119)               399802.79
3737411.95        5.58814  (15030119)
        399822.79   3737411.95        5.61483  (15030119)               399842.79
3737411.95        5.65814  (12052424)
        399862.79   3737411.95        5.73105  (12052424)               399882.79
3737411.95        5.74401  (12052424)
        399902.79   3737411.95        5.73095  (12052424)               399922.79
3737411.95        5.69192  (12052424)
        399942.79   3737411.95        5.73125  (16063019)               399962.79
3737411.95        5.76082  (16063019)
        399982.79   3737411.95        5.75702  (16063019)               400002.79
3737411.95        5.73231  (16063019)
        400022.79   3737411.95        5.72409  (14031218)               400042.79
3737411.95        5.80048  (14031218)
        400062.79   3737411.95        5.81843  (14031218)               400082.79
3737411.95        5.81548  (14031218)
        400102.79   3737411.95        5.78579  (14031218)               400122.79
3737411.95        5.73782  (13052819)
        400142.79   3737411.95        5.75428  (15061619)               400162.79
3737411.95        5.83735  (16122324)
        400182.79   3737411.95        5.90602  (16122324)               398682.79
3737431.95        3.51320  (14072503)
        398702.79   3737431.95        3.56999  (14072503)               398722.79
3737431.95        3.63246  (14072503)
        398742.79   3737431.95        3.67892  (14072503)               398762.79
3737431.95        3.72190  (14072503)
        398782.79   3737431.95        3.75880  (14072503)               398802.79
3737431.95        3.79075  (14072503)
        398822.79   3737431.95        3.81105  (14072503)               398842.79
3737431.95        3.82675  (14072503)
        398862.79   3737431.95        3.83968  (14072503)               398882.79
3737431.95        3.87618  (13050504)
        398902.79   3737431.95        3.93380  (13050504)               398922.79
3737431.95        3.97068  (13050504)
        398942.79   3737431.95        3.99738  (13050504)               398962.79
3737431.95        4.04553  (13111502)
        398982.79   3737431.95        4.08835  (13111502)               399002.79
3737431.95        4.11548  (13111502)
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399022.79 3737431.95 4.14437 (13111502) 399042.79
3737431.95 4.16738 (13111502)
399062.79 3737431.95 4.20082 (15030121) 399082.79
3737431.95 4.25802 (15030121)
399102.79 3737431.95 4.29369 (15030121) 399122.79
3737431.95 4.32617 (15030121)
399142.79 3737431.95 4.35359 (15030121) 399162.79
3737431.95 4.37560 (15030121)
399182.79 3737431.95 4.43703 (14121121) 399202.79
3737431.95 4.48438 (14121121)
399222.79 3737431.95 4.53232 (14121121) 399242.79
3737431.95 4.57224 (14121121)
399262.79 3737431.95 4.59370 (14121121) 399282.79
3737431.95 4.60310 (14121121)
399302.79 3737431.95 4.61143 (16122318) 399322.79
3737431.95 4.66961 (16122318)
399342.79 3737431.95 4.72368 (16122318) 399362.79
3737431.95 4.76779 (16122318)
399382.79 3737431.95 4.79714 (16122318) 399402.79
3737431.95 4.84085 (15101301)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
399422.79	3737431.95	4.92542	(15101301)	399442.79	3737431.95	4.98589	(15101301)
399462.79	3737431.95	5.03077	(15101301)	399482.79	3737431.95	5.05909	(15101301)
399502.79	3737431.95	5.07005	(15101301)	399522.79	3737431.95	5.06292	(15101301)
399542.79	3737431.95	5.04713	(16091918)	399562.79	3737431.95	5.09194	(13050519)

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        399582.79   3737431.95        5.16419  (13050519)               399602.79
3737431.95        5.21789  (13050519)
        399622.79   3737431.95        5.25192  (13050519)               399642.79
3737431.95        5.29338  (15060923)
        399662.79   3737431.95        5.34425  (12042819)               399682.79
3737431.95        5.38307  (12042819)
        399702.79   3737431.95        5.39052  (12042819)               399722.79
3737431.95        5.37545  (12042819)
        399742.79   3737431.95        5.33296  (12052319)               399762.79
3737431.95        5.39627  (15030119)
        399782.79   3737431.95        5.46374  (15030119)               399802.79
3737431.95        5.50716  (15030119)
        399822.79   3737431.95        5.52521  (15030119)               399842.79
3737431.95        5.57277  (12052424)
        399862.79   3737431.95        5.60604  (12052424)               399882.79
3737431.95        5.62877  (12052424)
        399902.79   3737431.95        5.62386  (12052424)               399922.79
3737431.95        5.60042  (16063019)
        399942.79   3737431.95        5.64201  (16063019)               399962.79
3737431.95        5.66209  (16063019)
        399982.79   3737431.95        5.65704  (16063019)               400002.79
3737431.95        5.62974  (16063019)
        400022.79   3737431.95        5.65452  (14031218)               400042.79
3737431.95        5.71293  (14031218)
        400062.79   3737431.95        5.73387  (14031218)               400082.79
3737431.95        5.72589  (14031218)
        400102.79   3737431.95        5.68742  (14031218)               400122.79
3737431.95        5.65796  (13052819)
        400142.79   3737431.95        5.66806  (15061619)               400162.79
3737431.95        5.72820  (16122324)
        400182.79   3737431.95        5.80056  (16122324)               398682.79
3737451.95        3.51117  (14072503)
        398702.79   3737451.95        3.56163  (14072503)               398722.79
3737451.95        3.61384  (14072503)
        398742.79   3737451.95        3.66039  (14072503)               398762.79
3737451.95        3.69826  (14072503)
        398782.79   3737451.95        3.73107  (14072503)               398802.79
3737451.95        3.75694  (14072503)
        398822.79   3737451.95        3.77742  (14072503)               398842.79
3737451.95        3.78391  (14072503)
        398862.79   3737451.95        3.82188  (13050504)               398882.79
3737451.95        3.86492  (13050504)
        398902.79   3737451.95        3.90734  (13050504)               398922.79
3737451.95        3.93391  (13050504)
        398942.79   3737451.95        3.97329  (13111502)               398962.79
3737451.95        4.00679  (13111502)
        398982.79   3737451.95        4.03627  (13111502)               399002.79
3737451.95        4.06258  (13111502)
        399022.79   3737451.95        4.08586  (13111502)               399042.79
3737451.95        4.11912  (15030121)
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        399062.79   3737451.95       4.16980  (15030121)                399082.79
3737451.95        4.21672  (15030121)
        399102.79   3737451.95       4.25281  (15030121)                399122.79
3737451.95        4.28142  (15030121)
        399142.79   3737451.95       4.29720  (15030121)                399162.79
3737451.95        4.34963  (14121121)
        399182.79   3737451.95       4.39818  (14121121)                399202.79
3737451.95        4.44239  (14121121)
        399222.79   3737451.95       4.48576  (14121121)                399242.79
3737451.95        4.51035  (14121121)
        399262.79   3737451.95       4.52354  (14121121)                399282.79
3737451.95        4.52482  (14121121)
        399302.79   3737451.95       4.58049  (16122318)                399322.79
3737451.95        4.63759  (16122318)
        399342.79   3737451.95       4.67862  (16122318)                399362.79
3737451.95        4.71043  (16122318)
        399382.79   3737451.95       4.74133  (16010317)                399402.79
3737451.95        4.81364  (15101301)
        399422.79   3737451.95       4.87853  (15101301)                399442.79
3737451.95        4.92889  (15101301)
        399462.79   3737451.95       4.96376  (15101301)                399482.79
3737451.95        4.98225  (15101301)
↑ *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                      ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                       ***       10:15:03

                                           PAGE 217
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                       *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                           INCLUDING SOURCE(S):     STCK1       ,

                                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                                 ** CONC OF PM_10    IN MICROGRAMS/M**3
                    **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
        399502.79   3737451.95       4.98377  (15101301)                399522.79
3737451.95        4.96870  (16091918)
        399542.79   3737451.95       4.96419  (13050519)                399562.79
3737451.95        5.04335  (13050519)
        399582.79   3737451.95       5.10533  (13050519)                399602.79
3737451.95        5.14899  (13050519)
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        399622.79   3737451.95        5.17344  (13050519)              399642.79
3737451.95        5.22581  (12042819)
        399662.79   3737451.95        5.27023  (12042819)              399682.79
3737451.95        5.29267  (12042819)
        399702.79   3737451.95        5.28535  (12042819)              399722.79
3737451.95        5.26933  (12042819)
        399742.79   3737451.95        5.26662  (12052319)              399762.79
3737451.95        5.34331  (15030119)
        399782.79   3737451.95        5.39086  (15030119)              399802.79
3737451.95        5.42554  (15030119)
        399822.79   3737451.95        5.44882  (12052424)              399842.79
3737451.95        5.49936  (12052424)
        399862.79   3737451.95        5.53007  (12052424)              399882.79
3737451.95        5.51272  (12052424)
        399902.79   3737451.95        5.49371  (12052424)              399922.79
3737451.95        5.51380  (16063019)
        399942.79   3737451.95        5.55264  (16063019)              399962.79
3737451.95        5.56444  (16063019)
        399982.79   3737451.95        5.56056  (16063019)              400002.79
3737451.95        5.54092  (16063019)
        400022.79   3737451.95        5.58149  (14031218)              400042.79
3737451.95        5.61907  (14031218)
        400062.79   3737451.95        5.63408  (14031218)              400082.79
3737451.95        5.62463  (14031218)
        400102.79   3737451.95        5.58805  (14031218)              400122.79
3737451.95        5.57832  (13052819)
        400142.79   3737451.95        5.59160  (15061619)              400162.79
3737451.95        5.64826  (15061619)
        400182.79   3737451.95        5.71758  (16122324)              398682.79
3737471.95        3.50433  (14072503)
        398702.79   3737471.95        3.54882  (14072503)              398722.79
3737471.95        3.58872  (14072503)
        398742.79   3737471.95        3.64035  (14072503)              398762.79
3737471.95        3.67286  (14072503)
        398782.79   3737471.95        3.69796  (14072503)              398802.79
3737471.95        3.71788  (14072503)
        398822.79   3737471.95        3.73233  (14072503)              398842.79
3737471.95        3.76131  (13050504)
        398862.79   3737471.95        3.80681  (13050504)              398882.79
3737471.95        3.84325  (13050504)
        398902.79   3737471.95        3.87153  (13050504)              398922.79
3737471.95        3.90174  (13111502)
        398942.79   3737471.95        3.94130  (13111502)              398962.79
3737471.95        3.97422  (13111502)
        398982.79   3737471.95        3.99556  (13111502)              399002.79
3737471.95        4.00715  (13111502)
        399022.79   3737471.95        4.02929  (15030121)              399042.79
3737471.95        4.08837  (15030121)
        399062.79   3737471.95        4.13226  (15030121)              399082.79
3737471.95        4.16879  (15030121)
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        399102.79   3737471.95        4.19825  (15030121)                399122.79
3737471.95        4.21902  (15030121)
        399142.79   3737471.95        4.25314  (14121121)                399162.79
3737471.95        4.30835  (14121121)
        399182.79   3737471.95        4.35621  (14121121)                399202.79
3737471.95        4.39778  (14121121)
        399222.79   3737471.95        4.42761  (14121121)                399242.79
3737471.95        4.44420  (14121121)
        399262.79   3737471.95        4.44910  (14121121)                399282.79
3737471.95        4.48133  (16122318)
        399302.79   3737471.95        4.54440  (16122318)                399322.79
3737471.95        4.59619  (16122318)
        399342.79   3737471.95        4.63262  (16122318)                399362.79
3737471.95        4.65373  (16122318)
        399382.79   3737471.95        4.70151  (15101301)                399402.79
3737471.95        4.77210  (15101301)
        399422.79   3737471.95        4.82727  (15101301)                399442.79
3737471.95        4.86796  (15101301)
        399462.79   3737471.95        4.89333  (15101301)                399482.79
3737471.95        4.90258  (15101301)
        399502.79   3737471.95        4.89526  (15101301)                399522.79
3737471.95        4.88753  (16091918)
        399542.79   3737471.95        4.92190  (13050519)                399562.79
3737471.95        4.99067  (13050519)
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                                   ***        10:15:03

                                              PAGE 218
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                 *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                              INCLUDING SOURCE(S):     STCK1       ,

                                                    *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                                  ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        399582.79   3737471.95        5.04297  (13050519)                399602.79
3737471.95        5.07778  (13050519)
        399622.79   3737471.95        5.09893  (15060923)                399642.79
3737471.95        5.15120  (12042819)
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        399662.79   3737471.95        5.18454  (12042819)              399682.79
3737471.95        5.20283  (12042819)
        399702.79   3737471.95        5.19856  (12042819)              399722.79
3737471.95        5.15928  (12042819)
        399742.79   3737471.95        5.19891  (15100323)              399762.79
3737471.95        5.26755  (15030119)
        399782.79   3737471.95        5.31709  (15030119)              399802.79
3737471.95        5.34363  (15030119)
        399822.79   3737471.95        5.36434  (12052424)              399842.79
3737471.95        5.42141  (12052424)
        399862.79   3737471.95        5.43959  (12052424)              399882.79
3737471.95        5.44221  (12052424)
        399902.79   3737471.95        5.39152  (12052424)              399922.79
3737471.95        5.41396  (16063019)
        399942.79   3737471.95        5.45780  (16063019)              399962.79
3737471.95        5.47443  (16063019)
        399982.79   3737471.95        5.46583  (16063019)              400002.79
3737471.95        5.45233  (16063019)
        400022.79   3737471.95        5.48880  (14031218)              400042.79
3737471.95        5.53770  (14031218)
        400062.79   3737471.95        5.53570  (14031218)              400082.79
3737471.95        5.52208  (14031218)
        400102.79   3737471.95        5.48451  (14031218)              400122.79
3737471.95        5.49664  (13052819)
        400142.79   3737471.95        5.52525  (15061619)              400162.79
3737471.95        5.57336  (16122324)
        400182.79   3737471.95        5.62657  (16122324)              398682.79
3737491.95        3.49388  (14072503)
        398702.79   3737491.95        3.53178  (14072503)              398722.79
3737491.95        3.56630  (14072503)
        398742.79   3737491.95        3.61501  (14072503)              398762.79
3737491.95        3.64008  (14072503)
        398782.79   3737491.95        3.65981  (14072503)              398802.79
3737491.95        3.67394  (14072503)
        398822.79   3737491.95        3.69942  (13050504)              398842.79
3737491.95        3.74392  (13050504)
        398862.79   3737491.95        3.78333  (13050504)              398882.79
3737491.95        3.81137  (13050504)
        398902.79   3737491.95        3.83675  (13050504)              398922.79
3737491.95        3.87154  (13111502)
        398942.79   3737491.95        3.89959  (13111502)              398962.79
3737491.95        3.92375  (13111502)
        398982.79   3737491.95        3.94752  (13111502)              399002.79
3737491.95        3.96203  (15030121)
        399022.79   3737491.95        4.00609  (15030121)              399042.79
3737491.95        4.04919  (15030121)
        399062.79   3737491.95        4.08678  (15030121)              399082.79
3737491.95        4.11357  (15030121)
        399102.79   3737491.95        4.13586  (15030121)              399122.79
3737491.95        4.16107  (14121121)
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        399142.79   3737491.95        4.21896  (14121121)                399162.79
3737491.95        4.26771  (14121121)
        399182.79   3737491.95        4.30785  (14121121)                399202.79
3737491.95        4.33959  (14121121)
        399222.79   3737491.95        4.36122  (14121121)                399242.79
3737491.95        4.37222  (14121121)
        399262.79   3737491.95        4.38298  (16122318)                399282.79
3737491.95        4.44918  (16122318)
        399302.79   3737491.95        4.50356  (16122318)                399322.79
3737491.95        4.54525  (16122318)
        399342.79   3737491.95        4.57758  (16122318)                399362.79
3737491.95        4.59991  (16010317)
        399382.79   3737491.95        4.66499  (15101301)                399402.79
3737491.95        4.72620  (15101301)
        399422.79   3737491.95        4.77206  (15101301)                399442.79
3737491.95        4.80353  (15101301)
        399462.79   3737491.95        4.81988  (15101301)                399482.79
3737491.95        4.82044  (15101301)
        399502.79   3737491.95        4.81292  (16091918)                399522.79
3737491.95        4.80424  (16091918)
        399542.79   3737491.95        4.87301  (13050519)                399562.79
3737491.95        4.93179  (13050519)
        399582.79   3737491.95        4.97480  (13050519)                399602.79
3737491.95        5.00063  (13050519)
        399622.79   3737491.95        5.03746  (12042819)                399642.79
3737491.95        5.08016  (12042819)
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                      ***        10:15:03

                                   PAGE 219
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                   INCLUDING SOURCE(S):     STCK1       ,

                                            *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
        399662.79   3737491.95        5.10386  (12042819)                399682.79
3737491.95        5.10766  (12042819)
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        399702.79   3737491.95        5.09454  (12042819)               399722.79
3737491.95        5.08758  (15100323)
        399742.79   3737491.95        5.13876  (15030119)               399762.79
3737491.95        5.20137  (15030119)
        399782.79   3737491.95        5.24261  (15030119)               399802.79
3737491.95        5.26155  (15030119)
        399822.79   3737491.95        5.28283  (12052424)               399842.79
3737491.95        5.31751  (12052424)
        399862.79   3737491.95        5.35472  (12052424)               399882.79
3737491.95        5.34169  (12052424)
        399902.79   3737491.95        5.30758  (12052424)               399922.79
3737491.95        5.36064  (16063019)
        399942.79   3737491.95        5.37366  (16063019)               399962.79
3737491.95        5.38586  (16063019)
        399982.79   3737491.95        5.38725  (16063019)               400002.79
3737491.95        5.34766  (16063019)
        400022.79   3737491.95        5.41298  (14031218)               400042.79
3737491.95        5.44389  (14031218)
        400062.79   3737491.95        5.43964  (14031218)               400082.79
3737491.95        5.42358  (14031218)
        400102.79   3737491.95        5.38106  (14031218)               400122.79
3737491.95        5.41245  (13052819)
        400142.79   3737491.95        5.44955  (15061619)               400162.79
3737491.95        5.49503  (15061619)
        400182.79   3737491.95        5.52958  (16122324)               398682.79
3737511.95        3.48336  (14072503)
        398702.79   3737511.95        3.51243  (14072503)               398722.79
3737511.95        3.54133  (14072503)
        398742.79   3737511.95        3.58223  (14072503)               398762.79
3737511.95        3.60282  (14072503)
        398782.79   3737511.95        3.61697  (14072503)               398802.79
3737511.95        3.63915  (13050504)
        398822.79   3737511.95        3.68267  (13050504)               398842.79
3737511.95        3.72132  (13050504)
        398862.79   3737511.95        3.75472  (13050504)               398882.79
3737511.95        3.77566  (13050504)
        398902.79   3737511.95        3.80432  (13111502)               398922.79
3737511.95        3.83386  (13111502)
        398942.79   3737511.95        3.85556  (13111502)               398962.79
3737511.95        3.87359  (13111502)
        398982.79   3737511.95        3.89338  (13111502)               399002.79
3737511.95        3.93933  (15030121)
        399022.79   3737511.95        3.97948  (15030121)               399042.79
3737511.95        4.02419  (15030121)
        399062.79   3737511.95        4.05202  (15030121)               399082.79
3737511.95        4.06568  (15030121)
        399102.79   3737511.95        4.07899  (15030121)               399122.79
3737511.95        4.13976  (14121121)
        399142.79   3737511.95        4.19125  (14121121)               399162.79
3737511.95        4.22859  (14121121)
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        399182.79   3737511.95        4.26175  (14121121)               399202.79
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        399222.79   3737511.95        4.30037  (14121121)               399242.79
3737511.95        4.30096  (14121121)
        399262.79   3737511.95        4.35577  (16122318)               399282.79
3737511.95        4.40984  (16122318)
        399302.79   3737511.95        4.45361  (16122318)               399322.79
3737511.95        4.48773  (16122318)
        399342.79   3737511.95        4.51074  (16122318)               399362.79
3737511.95        4.55717  (15101301)
        399382.79   3737511.95        4.61873  (15101301)               399402.79
3737511.95        4.67039  (15101301)
        399422.79   3737511.95        4.70395  (15101301)               399442.79
3737511.95        4.72559  (15101301)
        399462.79   3737511.95        4.73428  (15101301)               399482.79
3737511.95        4.73052  (15101301)
        399502.79   3737511.95        4.73043  (16091918)               399522.79
3737511.95        4.76057  (13050519)
        399542.79   3737511.95        4.82710  (13050519)               399562.79
3737511.95        4.87443  (13050519)
        399582.79   3737511.95        4.90559  (13050519)               399602.79
3737511.95        4.92455  (13050519)
        399622.79   3737511.95        4.97332  (12042819)               399642.79
3737511.95        5.00850  (12042819)
        399662.79   3737511.95        5.02394  (12042819)               399682.79
3737511.95        5.02095  (12042819)
        399702.79   3737511.95        5.00243  (12042819)               399722.79
3737511.95        5.03609  (15100323)
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        10:15:03

                                  PAGE 220
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     STCK1       ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                     ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
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        399742.79   3737511.95        5.07977  (15030119)              399762.79
3737511.95        5.13413  (15030119)
        399782.79   3737511.95        5.16763  (15030119)              399802.79
3737511.95        5.17947  (15030119)
        399822.79   3737511.95        5.20558  (12052424)              399842.79
3737511.95        5.23328  (12052424)
        399862.79   3737511.95        5.25215  (12052424)              399882.79
3737511.95        5.24351  (12052424)
        399902.79   3737511.95        5.22333  (16063019)              399922.79
3737511.95        5.26288  (16063019)
        399942.79   3737511.95        5.29137  (16063019)              399962.79
3737511.95        5.29867  (16063019)
        399982.79   3737511.95        5.28176  (16063019)              400002.79
3737511.95        5.25704  (14031218)
        400022.79   3737511.95        5.32815  (14031218)              400042.79
3737511.95        5.34593  (14031218)
        400062.79   3737511.95        5.35298  (14031218)              400082.79
3737511.95        5.33456  (14031218)
        400102.79   3737511.95        5.30331  (13052819)              400122.79
3737511.95        5.33251  (13052819)
        400142.79   3737511.95        5.36677  (15061619)              400162.79
3737511.95        5.40596  (15061619)
        400182.79   3737511.95        5.43255  (16122324)              398682.79
3737531.95        3.46482  (14072503)
        398702.79   3737531.95        3.48855  (14072503)              398722.79
3737531.95        3.51159  (14072503)
        398742.79   3737531.95        3.54621  (14072503)              398762.79
3737531.95        3.56036  (14072503)
        398782.79   3737531.95        3.58044  (13050504)              398802.79
3737531.95        3.61970  (13050504)
        398822.79   3737531.95        3.65922  (13050504)              398842.79
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        398862.79   3737531.95        3.71815  (13050504)              398882.79
3737531.95        3.73639  (13050504)
        398902.79   3737531.95        3.76889  (13111502)              398922.79
3737531.95        3.78919  (13111502)
        398942.79   3737531.95        3.80627  (13111502)              398962.79
3737531.95        3.81967  (13111502)
        398982.79   3737531.95        3.86713  (15030121)              399002.79
3737531.95        3.91437  (15030121)
        399022.79   3737531.95        3.94661  (15030121)              399042.79
3737531.95        3.98198  (15030121)
        399062.79   3737531.95        4.00649  (15030121)              399082.79
3737531.95        4.01605  (15030121)
        399102.79   3737531.95        4.05421  (14121121)              399122.79
3737531.95        4.10838  (14121121)
        399142.79   3737531.95        4.15462  (14121121)              399162.79
3737531.95        4.18423  (14121121)
        399182.79   3737531.95        4.21176  (14121121)              399202.79
3737531.95        4.22749  (14121121)
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        399222.79   3737531.95        4.23130  (14121121)               399242.79
3737531.95        4.26420  (16122318)
        399262.79   3737531.95        4.32264  (16122318)               399282.79
3737531.95        4.37120  (16122318)
        399302.79   3737531.95        4.40912  (16122318)               399322.79
3737531.95        4.43574  (16122318)
        399342.79   3737531.95        4.46042  (15101301)               399362.79
3737531.95        4.53502  (15101301)
        399382.79   3737531.95        4.59189  (15101301)               399402.79
3737531.95        4.62277  (15101301)
        399422.79   3737531.95        4.64314  (15101301)               399442.79
3737531.95        4.65237  (15101301)
        399462.79   3737531.95        4.66415  (15101301)               399482.79
3737531.95        4.66464  (16091918)
        399502.79   3737531.95        4.65653  (16091918)               399522.79
3737531.95        4.71122  (13050519)
        399542.79   3737531.95        4.77429  (13050519)               399562.79
3737531.95        4.81164  (13050519)
        399582.79   3737531.95        4.84362  (13050519)               399602.79
3737531.95        4.86289  (12042819)
        399622.79   3737531.95        4.90690  (12042819)               399642.79
3737531.95        4.93537  (12042819)
        399662.79   3737531.95        4.94313  (12042819)               399682.79
3737531.95        4.93219  (12042819)
        399702.79   3737531.95        4.91874  (15100323)               399722.79
3737531.95        4.97527  (15100323)
        399742.79   3737531.95        5.01957  (15030119)               399762.79
3737531.95        5.06600  (15030119)
        399782.79   3737531.95        5.09223  (15030119)               399802.79
3737531.95        5.09753  (15030119)
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                                   ***        10:15:03

                                              PAGE 221
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                 *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                              INCLUDING SOURCE(S):     STCK1       ,

                                                      *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                                    ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
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 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
        399822.79   3737531.95        5.12843  (12052424)                399842.79
3737531.95        5.16833  (12052424)
        399862.79   3737531.95        5.16645  (12052424)                399882.79
3737531.95        5.14774  (12052424)
        399902.79   3737531.95        5.14819  (16063019)                399922.79
3737531.95        5.18447  (16063019)
        399942.79   3737531.95        5.21018  (16063019)                399962.79
3737531.95        5.21290  (16063019)
        399982.79   3737531.95        5.19222  (16063019)                400002.79
3737531.95        5.18426  (14031218)
        400022.79   3737531.95        5.23610  (14031218)                400042.79
3737531.95        5.26425  (14031218)
        400062.79   3737531.95        5.26816  (14031218)                400082.79
3737531.95        5.24757  (14031218)
        400102.79   3737531.95        5.23000  (13052819)                400122.79
3737531.95        5.26139  (13052819)
        400142.79   3737531.95        5.28491  (13052819)                400162.79
3737531.95        5.32227  (15061619)
        400182.79   3737531.95        5.33914  (16122324)                398682.79
3737551.95        3.43896  (14072503)
        398702.79   3737551.95        3.46005  (14072503)                398722.79
3737551.95        3.47802  (14072503)
        398742.79   3737551.95        3.50583  (14072503)                398762.79
3737551.95        3.52342  (14072505)
        398782.79   3737551.95        3.56457  (13050504)                398802.79
3737551.95        3.59582  (13050504)
        398822.79   3737551.95        3.62705  (13050504)                398842.79
3737551.95        3.65584  (13050504)
        398862.79   3737551.95        3.67960  (13050504)                398882.79
3737551.95        3.70266  (13111502)
        398902.79   3737551.95        3.72338  (13111502)                398922.79
3737551.95        3.74228  (13111502)
        398942.79   3737551.95        3.75370  (13111502)                398962.79
3737551.95        3.78637  (15030121)
        398982.79   3737551.95        3.84163  (15030121)                399002.79
3737551.95        3.88011  (15030121)
        399022.79   3737551.95        3.90622  (15030121)                399042.79
3737551.95        3.93388  (15030121)
        399062.79   3737551.95        3.95241  (15030121)                399082.79
3737551.95        3.98027  (14121121)
        399102.79   3737551.95        4.02864  (14121121)                399122.79
3737551.95        4.07427  (14121121)
        399142.79   3737551.95        4.11397  (14121121)                399162.79
3737551.95        4.13615  (14121121)
        399182.79   3737551.95        4.15568  (14121121)                399202.79
3737551.95        4.16236  (14121121)
        399222.79   3737551.95        4.17450  (16122318)                399242.79
3737551.95        4.23467  (16122318)
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        399262.79   3737551.95        4.28542  (16122318)                399282.79
3737551.95        4.32616  (16122318)
        399302.79   3737551.95        4.35932  (16122318)                399322.79
3737551.95        4.37516  (16122318)
        399342.79   3737551.95        4.42852  (15101301)                399362.79
3737551.95        4.50156  (15101301)
        399382.79   3737551.95        4.55287  (15101301)                399402.79
3737551.95        4.57169  (15101301)
        399422.79   3737551.95        4.58035  (15101301)                399442.79
3737551.95        4.58146  (15101301)
        399462.79   3737551.95        4.59117  (16091918)                399482.79
3737551.95        4.59112  (16091918)
        399502.79   3737551.95        4.60748  (13050519)                399522.79
3737551.95        4.67139  (13050519)
        399542.79   3737551.95        4.71659  (13050519)                399562.79
3737551.95        4.74928  (13050519)
        399582.79   3737551.95        4.77326  (13050519)                399602.79
3737551.95        4.80715  (12042819)
        399622.79   3737551.95        4.84274  (12042819)                399642.79
3737551.95        4.86111  (12042819)
        399662.79   3737551.95        4.86170  (12042819)                399682.79
3737551.95        4.84416  (12042819)
        399702.79   3737551.95        4.86938  (15100323)                399722.79
3737551.95        4.91817  (15100323)
        399742.79   3737551.95        4.95825  (15030119)                399762.79
3737551.95        4.99739  (15030119)
        399782.79   3737551.95        5.01843  (15030119)                399802.79
3737551.95        5.02738  (12052424)
        399822.79   3737551.95        5.05795  (12052424)                399842.79
3737551.95        5.10097  (12052424)
        399862.79   3737551.95        5.09342  (12052424)                399882.79
3737551.95        5.07136  (12052424)
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                                   ***        10:15:03

                                              PAGE 222
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                 *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                              INCLUDING SOURCE(S):     STCK1       ,

                                                       *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                                     ** CONC OF PM_10    IN MICROGRAMS/M**3
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X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
399902.79	3737551.95	5.06709	(16063019)	399922.79	3737551.95	5.10944	(16063019)
399942.79	3737551.95	5.13009	(16063019)	399962.79	3737551.95	5.12856	(16063019)
399982.79	3737551.95	5.12542	(16063019)	400002.79	3737551.95	5.13016	(14031218)
400022.79	3737551.95	5.18445	(14031218)	400042.79	3737551.95	5.20333	(14031218)
400062.79	3737551.95	5.19968	(14031218)	400082.79	3737551.95	5.17747	(14031218)
400102.79	3737551.95	5.17579	(13052819)	400122.79	3737551.95	5.19724	(13052819)
400142.79	3737551.95	5.21084	(13052819)	400162.79	3737551.95	5.23886	(15061619)
400182.79	3737551.95	5.24831	(16122324)	398315.82	3734124.08	2.70481	(14052705)
398509.09	3734124.08	2.79383	(15081005)	398702.36	3734124.08	2.88187	(16010703)
398895.63	3734124.08	2.96329	(16020820)	399088.90	3734124.08	3.01620	(15092106)
399282.17	3734124.08	3.10535	(16021720)	399475.44	3734124.08	3.47674	(16122117)
399668.71	3734124.08	3.57602	(16122117)	399861.98	3734124.08	3.71206	(15071921)
400055.25	3734124.08	3.85646	(15110319)	400248.52	3734124.08	3.59394	(16122207)
400441.79	3734124.08	3.53788	(16122208)	400635.06	3734124.08	3.74259	(13121522)
400828.33	3734124.08	3.48208	(16122001)	401021.60	3734124.08	3.54847	(13011204)
401214.87	3734124.08	3.34115	(16122708)	401408.14	3734124.08	3.20966	(13022006)
401601.41	3734124.08	3.01478	(13012823)	401794.68	3734124.08	2.90458	(16080220)
401987.95	3734124.08	2.80346	(16092621)	402181.22	3734124.08	2.71058	(16092624)
398315.82	3734299.90	2.77801	(15080524)	398509.09	3734299.90	2.94210	(16121918)
398702.36	3734299.90	3.15139	(14113024)	398895.63	3734299.90	3.22733	(16010703)
399088.90	3734299.90	3.13622	(16020820)	399282.17	3734299.90	3.32314	(16032301)
399475.44	3734299.90	3.61761	(16122117)	399668.71	3734299.90	4.06110	(16122117)
399861.98	3734299.90	3.99876	(15071921)	400055.25	3734299.90	4.32582	(15110319)

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        400248.52   3734299.90        3.96744  (16122207)               400441.79
3734299.90        3.98246  (16122208)
        400635.06   3734299.90        4.15410  (13121522)               400828.33
3734299.90        3.89985  (16112408)
        401021.60   3734299.90        3.81398  (16122708)               401214.87
3734299.90        3.66297  (12102424)
        401408.14   3734299.90        3.44163  (12101619)               401601.41
3734299.90        3.30021  (14040920)
        401794.68   3734299.90        3.10601  (15070120)               401987.95
3734299.90        2.91514  (14081020)
        402181.22   3734299.90        2.78161  (15091101)               398315.82
3734475.72        2.90173  (16121919)
        398509.09   3734475.72        3.02565  (16121919)               398702.36
3734475.72        3.53451  (16121918)
        398895.63   3734475.72        3.61648  (16010703)               399088.90
3734475.72        3.51792  (16010703)
        399282.17   3734475.72        3.46128  (16032301)               399475.44
3734475.72        3.63035  (16122117)
        399668.71   3734475.72        4.50337  (16122117)               399861.98
3734475.72        4.28814  (13121001)
        400055.25   3734475.72        4.82949  (15110319)               400248.52
3734475.72        4.36434  (16122207)
        400441.79   3734475.72        4.45981  (16122208)               400635.06
3734475.72        4.59998  (12030705)
        400828.33   3734475.72        4.27693  (13011204)               401021.60
3734475.72        4.17717  (16122708)
        401214.87   3734475.72        4.04073  (12101619)               401408.14
3734475.72        3.77685  (13012823)
        401601.41   3734475.72        3.56680  (15070120)               401794.68
3734475.72        3.31237  (13091519)
        401987.95   3734475.72        3.09066  (12092219)               402181.22
3734475.72        2.87564  (12082819)
        398315.82   3734651.54        3.19152  (16120218)               398509.09
3734651.54        3.37706  (16120218)
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                        ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                                  ***        10:15:03

                                             PAGE 223
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                             INCLUDING SOURCE(S):     STCK1       ,

                                                      *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                                    ** CONC OF PM_10    IN MICROGRAMS/M**3
```

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
398702.36	3734651.54	3.59663	(16121918)	398895.63	3734651.54	4.20007	(16121918)
399088.90	3734651.54	4.11777	(16010703)	399282.17	3734651.54	3.71584	(16010703)
399475.44	3734651.54	3.89074	(16032301)	399668.71	3734651.54	4.98061	(16122117)
399861.98	3734651.54	5.03277	(16122117)	400055.25	3734651.54	5.67100	(15071921)
400248.52	3734651.54	4.86696	(16122207)	400441.79	3734651.54	5.03572	(12030705)
400635.06	3734651.54	5.02077	(12030705)	400828.33	3734651.54	4.73690	(13011204)
401021.60	3734651.54	4.69494	(13022006)	401214.87	3734651.54	4.42173	(12101619)
401408.14	3734651.54	4.11751	(15070120)	401601.41	3734651.54	3.86840	(13091519)
401794.68	3734651.54	3.56820	(16081721)	401987.95	3734651.54	3.29131	(15082620)
402181.22	3734651.54	3.04502	(14102218)	398315.82	3734827.36	3.32023	(14120217)
398509.09	3734827.36	3.67132	(14120217)	398702.36	3734827.36	3.89998	(16120218)
398895.63	3734827.36	4.24303	(16121918)	399088.90	3734827.36	4.93725	(16121918)
399282.17	3734827.36	4.61409	(16010703)	399475.44	3734827.36	4.44317	(14123019)
399668.71	3734827.36	5.00903	(16122117)	399861.98	3734827.36	5.71540	(16122117)
400055.25	3734827.36	6.42027	(15071921)	400248.52	3734827.36	5.43417	(16122207)
400441.79	3734827.36	6.13366	(12030705)	400635.06	3734827.36	5.77285	(16112408)
400828.33	3734827.36	5.65837	(15121408)	401021.60	3734827.36	5.46659	(12101619)
401214.87	3734827.36	4.97586	(16031019)	401408.14	3734827.36	4.57542	(15071220)
401601.41	3734827.36	4.17056	(14110818)	401794.68	3734827.36	3.82030	(15082620)
401987.95	3734827.36	3.48940	(15080820)	402181.22	3734827.36	3.21521	(14051320)
398315.82	3735003.18	3.30629	(15012421)	398509.09	3735003.18	3.53365	(13120923)
398702.36	3735003.18	3.92366	(14120217)	398895.63	3735003.18	4.49976	(16120218)

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        399088.90   3735003.18        5.09296  (16121918)               399282.17
3735003.18        5.88999  (16121918)
        399475.44   3735003.18        5.62263  (14123019)               399668.71
3735003.18        4.92442  (14123019)
        399861.98   3735003.18        6.79886  (16122117)               400055.25
3735003.18        7.46906  (15071921)
        400248.52   3735003.18        6.42516  (15110319)               400441.79
3735003.18        7.53487  (12030705)
        400635.06   3735003.18        6.70804  (16021719)               400828.33
3735003.18        6.66122  (15122823)
        401021.60   3735003.18        6.09170  (16031019)               401214.87
3735003.18        5.54406  (15071220)
        401408.14   3735003.18        4.99710  (16021018)               401601.41
3735003.18        4.51121  (14082719)
        401794.68   3735003.18        4.07229  (15090619)               401987.95
3735003.18        3.70148  (15091220)
        402181.22   3735003.18        3.36848  (16102018)               398315.82
3735179.00        3.46383  (15010517)
        398509.09   3735179.00        3.91523  (15010517)               398702.36
3735179.00        4.28936  (14122703)
        398895.63   3735179.00        4.80300  (14120217)               399088.90
3735179.00        5.63985  (14120217)
        399282.17   3735179.00        6.25886  (16121918)               399475.44
3735179.00        7.09323  (16121918)
        399668.71   3735179.00        7.13782  (14123019)               399861.98
3735179.00        7.32894  (16122117)
        400055.25   3735179.00        8.43846  (15071921)               400248.52
3735179.00        7.49934  (15110319)
        400441.79   3735179.00        9.47876  (12030705)               400635.06
3735179.00        8.32374  (15122601)
        400828.33   3735179.00        7.88196  (15102904)               401021.60
3735179.00        7.07027  (15073121)
        401214.87   3735179.00        6.19082  (16021018)               401408.14
3735179.00        5.49250  (15101319)
        401601.41   3735179.00        4.86840  (16092718)               401794.68
3735179.00        4.33617  (15083019)
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                      ***        10:15:03

                                  PAGE 224
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     STCK1       ,

                                           *** DISCRETE CARTESIAN RECEPTOR POINTS
***
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** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
401987.95	3735179.00	3.89091	(12092119)	402181.22	3735179.00	3.50504	(15071120)
398315.82	3735354.82	3.59346	(15050805)	398509.09	3735354.82	4.01713	(13120922)
398702.36	3735354.82	4.58137	(15010517)	398895.63	3735354.82	5.12469	(15010517)
399088.90	3735354.82	5.88450	(14120217)	399282.17	3735354.82	7.31931	(14120217)
399475.44	3735354.82	8.23111	(16122123)	399668.71	3735354.82	8.87792	(14123019)
399861.98	3735354.82	8.91443	(14123019)	400055.25	3735354.82	8.97359	(15071921)
400248.52	3735354.82	8.71976	(15122605)	400441.79	3735354.82	12.56553	(16021719)
400635.06	3735354.82	11.10943	(16081620)	400828.33	3735354.82	9.32202	(15032519)
401021.60	3735354.82	8.04283	(16061820)	401214.87	3735354.82	6.91855	(14100319)
401408.14	3735354.82	5.96976	(12081319)	401601.41	3735354.82	5.18926	(16100919)
401794.68	3735354.82	4.56358	(16092820)	401987.95	3735354.82	4.05422	(15082319)
402181.22	3735354.82	3.63637	(16042021)	398315.82	3735530.64	3.78651	(15071924)
398509.09	3735530.64	4.20588	(15071924)	398702.36	3735530.64	4.55819	(12012722)
398895.63	3735530.64	5.45090	(12012722)	399088.90	3735530.64	6.56116	(16122122)
399282.17	3735530.64	7.78237	(14122703)	399475.44	3735530.64	9.86402	(14120217)
399668.71	3735530.64	11.57547	(16122123)	399861.98	3735530.64	13.98791	(14123019)
400055.25	3735530.64	10.01638	(16122117)	400248.52	3735530.64	13.96160	(15122605)
400441.79	3735530.64	17.17605	(12111023)	400635.06	3735530.64	14.25624	(15121218)
400828.33	3735530.64	11.41249	(15072420)	401021.60	3735530.64	9.27281	(15082919)
401214.87	3735530.64	7.61052	(16021518)	401408.14	3735530.64	6.41362	(15101618)
401601.41	3735530.64	5.49171	(14072420)	401794.68	3735530.64	4.77152	(16022218)

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        401987.95   3735530.64        4.24732  (15082921)                402181.22
3735530.64        3.76565  (15082921)
        398315.82   3735706.46        3.72121  (13011407)                398509.09
3735706.46        4.15084  (13100503)
        398702.36   3735706.46        4.74793  (13100503)                398895.63
3735706.46        5.65741  (15071924)
        399088.90   3735706.46        6.74130  (15071924)                399282.17
3735706.46        8.56298  (12012722)
        399475.44   3735706.46       11.15653  (12012721)                399668.71
3735706.46       14.18801  (15012502)
        399861.98   3735706.46       19.69821  (16122123)                400055.25
3735706.46       23.41959  (14123019)
        400248.52   3735706.46       26.46435  (15122605)                400441.79
3735706.46       25.91399  (15122521)
        400635.06   3735706.46       18.64796  (15043019)                400828.33
3735706.46       13.66939  (16072120)
        401021.60   3735706.46       10.40300  (15093018)                401214.87
3735706.46        8.26222  (16080920)
        401408.14   3735706.46        6.81078  (16081019)                401601.41
3735706.46        5.76114  (15080520)
        401794.68   3735706.46        4.99696  (14030920)                401987.95
3735706.46        4.35366  (14030920)
        402181.22   3735706.46        3.85572  (15050320)                398315.82
3735882.28        3.92072  (14022802)
        398509.09   3735882.28        4.45382  (14022802)                398702.36
3735882.28        5.07693  (16021723)
        398895.63   3735882.28        5.68389  (13011406)                399088.90
3735882.28        7.12391  (13100503)
        399282.17   3735882.28        8.98304  (13100422)                399475.44
3735882.28       11.86463  (16121522)
        399668.71   3735882.28       16.64977  (13100424)                399861.98
3735882.28       24.89623  (15071923)
        400055.25   3735882.28       44.36072  (16122123)                400248.52
3735882.28       69.19107  (15122605)
        400441.79   3735882.28       42.73008  (14013121)                400635.06
3735882.28       23.63784  (15092020)
        400828.33   3735882.28       15.38954  (15031519)                401021.60
3735882.28       11.19027  (14080222)
↟ *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        10:15:03

                                   PAGE 225
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                   INCLUDING SOURCE(S):     STCK1       ,
```

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
401214.87	3735882.28	8.65143	(14080222)	401408.14	3735882.28	7.03792	(15110924)
401601.41	3735882.28	5.90912	(13033120)	401794.68	3735882.28	5.06545	(13102805)
401987.95	3735882.28	4.38432	(13102805)	402181.22	3735882.28	3.91437	(14102520)
398315.82	3736058.10	3.77776	(12012801)	398509.09	3736058.10	4.35411	(12012723)
398702.36	3736058.10	5.06813	(12012723)	398895.63	3736058.10	5.94340	(15012423)
399088.90	3736058.10	7.27023	(15012423)	399282.17	3736058.10	9.05025	(15012423)
399475.44	3736058.10	12.07319	(15012424)	399668.71	3736058.10	17.26082	(15012424)
399861.98	3736058.10	26.17417	(12021518)	400248.52	3736058.10	499.34135	(14061213)
400441.79	3736058.10	75.27162	(13120717)	400635.06	3736058.10	26.82279	(15110918)
400828.33	3736058.10	16.04009	(15040819)	401021.60	3736058.10	11.47134	(13092119)
401214.87	3736058.10	8.78962	(12110907)	401408.14	3736058.10	7.09430	(15110221)
401601.41	3736058.10	5.89588	(13120323)	401794.68	3736058.10	5.04634	(13120323)
401987.95	3736058.10	4.40826	(13120323)	402181.22	3736058.10	3.90280	(16032119)
398315.82	3736233.92	3.69793	(14113002)	398509.09	3736233.92	4.30341	(14112922)
398702.36	3736233.92	4.95494	(14112922)	398895.63	3736233.92	5.69909	(14112922)
399088.90	3736233.92	6.60642	(14112922)	399282.17	3736233.92	7.74728	(12021518)
399475.44	3736233.92	10.25123	(13112217)	399668.71	3736233.92	15.39843	(13112217)
399861.98	3736233.92	18.32154	(13112217)	400248.52	3736233.92	80.50735	(12042217)
400441.79	3736233.92	40.46824	(16121605)	400635.06	3736233.92	22.34366	(16032821)
400828.33	3736233.92	15.10617	(12031719)	401021.60	3736233.92	11.52356	(14032922)

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        401214.87   3736233.92        8.57051  (14050603)                401408.14
3736233.92        6.98694  (14050602)
        401601.41   3736233.92        5.88823  (12102322)                401794.68
3736233.92        5.10054  (12102322)
        401987.95   3736233.92        4.40128  (12102321)                402181.22
3736233.92        3.93997  (12102321)
        398315.82   3736409.74        3.75116  (14112922)                398509.09
3736409.74        4.23106  (14112922)
        398702.36   3736409.74        4.77855  (15051305)                398895.63
3736409.74        5.53495  (15051305)
        399088.90   3736409.74        6.66140  (13112217)                399282.17
3736409.74        8.36849  (13112217)
        399475.44   3736409.74        9.96067  (16120224)                399668.71
3736409.74       13.57180  (12020719)
        399861.98   3736409.74       18.31306  (14121122)                400055.25
3736409.74       25.66696  (12020717)
        400248.52   3736409.74       23.26058  (16062019)                400441.79
3736409.74       22.32958  (16030707)
        400635.06   3736409.74       16.43036  (16121607)                400828.33
3736409.74       13.47826  (15100405)
        401021.60   3736409.74       10.36675  (15100406)                401214.87
3736409.74        8.12107  (15110219)
        401408.14   3736409.74        6.72714  (12033121)                401601.41
3736409.74        5.67357  (16052121)
        401794.68   3736409.74        4.92730  (15022802)                401987.95
3736409.74        4.27152  (15112518)
        402181.22   3736409.74        3.85890  (13040420)                398315.82
3736585.56        3.69102  (15051305)
        398509.09   3736585.56        4.20134  (15051305)                398702.36
3736585.56        4.69459  (16112024)
        398895.63   3736585.56        5.33841  (15012617)                399088.90
3736585.56        6.42826  (16120224)
        399282.17   3736585.56        7.46711  (15091502)                399475.44
3736585.56        9.34917  (12020719)
        399668.71   3736585.56       11.57972  (15100321)                399861.98
3736585.56       14.14629  (16091818)
        400055.25   3736585.56       17.14159  (16030605)                400248.52
3736585.56       15.78585  (16122324)
        400441.79   3736585.56       14.53985  (16122401)                400635.06
3736585.56       12.39270  (16121604)
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                      ***        10:15:03

                                  PAGE 226
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
```

INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
400828.33	3736585.56	10.11369	(16121606)	401021.60	3736585.56	9.35423	(13102817)
401214.87	3736585.56	7.46258	(12031720)	401408.14	3736585.56	6.30651	(15100406)
401601.41	3736585.56	5.46306	(15121024)	401794.68	3736585.56	4.80846	(12030619)
401987.95	3736585.56	4.32427	(13020724)	402181.22	3736585.56	3.76745	(16032122)
398315.82	3736761.38	3.55712	(16112024)	398509.09	3736761.38	4.02054	(15012617)
398702.36	3736761.38	4.57189	(16120224)	398895.63	3736761.38	5.14413	(14041701)
399088.90	3736761.38	5.95933	(15091502)	399282.17	3736761.38	7.00860	(13122617)
399475.44	3736761.38	8.19644	(13050424)	399668.71	3736761.38	9.70604	(12101803)
399861.98	3736761.38	11.00291	(14121120)	400055.25	3736761.38	12.22570	(15030118)
400248.52	3736761.38	12.27656	(16122324)	400441.79	3736761.38	9.25810	(15100404)
400635.06	3736761.38	10.89252	(16122401)	400828.33	3736761.38	8.56518	(14103124)
401021.60	3736761.38	7.45927	(16121606)	401214.87	3736761.38	6.96942	(16121606)
401408.14	3736761.38	5.89287	(15121023)	401601.41	3736761.38	5.16718	(13102818)
401794.68	3736761.38	4.46043	(13021920)	401987.95	3736761.38	4.06618	(15121919)
402181.22	3736761.38	3.61469	(15121024)	398315.82	3736937.20	3.38672	(14041701)
398509.09	3736937.20	3.92246	(14041701)	398702.36	3736937.20	4.37298	(14051901)
398895.63	3736937.20	4.85963	(13053102)	399088.90	3736937.20	5.55217	(13122617)
399282.17	3736937.20	6.27494	(12052324)	399475.44	3736937.20	7.16931	(14121119)
399668.71	3736937.20	7.87446	(16122323)	399861.98	3736937.20	8.97479	(16062020)

```
        400055.25   3736937.20        9.18246  (15030118)               400248.52
3736937.20        9.72223  (16122324)
        400441.79   3736937.20        7.99187  (16062619)               400635.06
3736937.20        8.50841  (16122401)
        400828.33   3736937.20        7.89309  (12030122)               401021.60
3736937.20        6.95559  (14103124)
        401214.87   3736937.20        5.79045  (13100905)               401408.14
3736937.20        5.44770  (16121606)
        401601.41   3736937.20        4.85938  (15121023)               401794.68
3736937.20        4.31224  (13102818)
        401987.95   3736937.20        3.87290  (13102818)               402181.22
3736937.20        3.47674  (15022722)
        398315.82   3737113.02        3.31845  (14112921)               398509.09
3737113.02        3.69635  (13050521)
        398702.36   3737113.02        4.08794  (15091504)               398895.63
3737113.02        4.52520  (14022805)
        399088.90   3737113.02        5.02691  (13041201)               399282.17
3737113.02        5.60021  (14121119)
        399475.44   3737113.02        6.18904  (14022703)               399668.71
3737113.02        6.80012  (15101301)
        399861.98   3737113.02        7.46313  (12052319)               400055.25
3737113.02        7.51658  (16063019)
        400248.52   3737113.02        7.87867  (16122324)               400441.79
3737113.02        7.17425  (16062619)
        400635.06   3737113.02        7.10859  (15100404)               400828.33
3737113.02        6.65855  (14022821)
        401021.60   3737113.02        5.96658  (16013019)               401214.87
3737113.02        5.57959  (14103124)
        401408.14   3737113.02        4.86017  (13100905)               401601.41
3737113.02        4.42564  (13021921)
        401794.68   3737113.02        4.00967  (13021921)               401987.95
3737113.02        3.69303  (15121023)
        402181.22   3737113.02        3.36733  (13102818)               398315.82
3737288.84        3.16836  (13053102)
        398509.09   3737288.84        3.56325  (15091504)               398702.36
3737288.84        3.81971  (12101805)
        398895.63   3737288.84        4.14561  (13041201)               399088.90
3737288.84        4.58949  (13111502)
        399282.17   3737288.84        5.02539  (14022703)               399475.44
3737288.84        5.49157  (16122323)
        399668.71   3737288.84        5.92423  (12031705)               399861.98
3737288.84        6.27657  (12052424)
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                                   ***        10:15:03

                                  PAGE 227
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
```

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): STCK1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
400055.25	3737288.84	6.41080	(14031218)	400248.52	3737288.84	6.54824	(16122324)
400441.79	3737288.84	6.28308	(16062619)	400635.06	3737288.84	5.85540	(15100404)
400828.33	3737288.84	5.90084	(14022821)	401021.60	3737288.84	5.49460	(12030122)
401214.87	3737288.84	4.75227	(16013019)	401408.14	3737288.84	4.60765	(14103124)
401601.41	3737288.84	4.14547	(13100905)	401794.68	3737288.84	3.72520	(13021921)
401987.95	3737288.84	3.48989	(13021921)	402181.22	3737288.84	3.21142	(15121023)
398315.82	3737464.66	3.05614	(16092206)	398509.09	3737464.66	3.34154	(12101805)
398702.36	3737464.66	3.55301	(14072503)	398895.63	3737464.66	3.87551	(13050504)
399088.90	3737464.66	4.20089	(15030121)	399282.17	3737464.66	4.48959	(16122318)
399475.44	3737464.66	4.92922	(15101301)	399668.71	3737464.66	5.22690	(12042819)
399861.98	3737464.66	5.47784	(12052424)	400055.25	3737464.66	5.57385	(14031218)
400248.52	3737464.66	5.67080	(16030604)	400441.79	3737464.66	5.54285	(16062619)
400635.06	3737464.66	5.22811	(15061219)	400828.33	3737464.66	5.17860	(15100404)
401021.60	3737464.66	4.80101	(14022821)	401214.87	3737464.66	4.54505	(16013019)
401408.14	3737464.66	4.03498	(14103124)	401601.41	3737464.66	3.87333	(14103124)
401794.68	3737464.66	3.58463	(13100905)	401987.95	3737464.66	3.25529	(13100904)
402181.22	3737464.66	3.05262	(13021921)	398315.82	3737640.48	2.90877	(12101805)
398509.09	3737640.48	3.11312	(14072503)	398702.36	3737640.48	3.33342	(13050504)

```
        398895.63   3737640.48        3.60025  (15030121)                399088.90
3737640.48        3.84591  (14121121)
        399282.17   3737640.48        4.12215  (15101301)                399475.44
3737640.48        4.47734  (13050519)
        399668.71   3737640.48        4.64207  (15100323)                399861.98
3737640.48        4.79165  (12052424)
        400055.25   3737640.48        4.92041  (14031218)                400248.52
3737640.48        4.97241  (16030604)
        400441.79   3737640.48        4.85627  (16062619)                400635.06
3737640.48        4.70393  (15061219)
        400828.33   3737640.48        4.61860  (15100404)                401021.60
3737640.48        4.41839  (14022821)
        401214.87   3737640.48        4.13162  (12030122)                401408.14
3737640.48        3.88007  (16013019)
        401601.41   3737640.48        3.55314  (14103124)                401794.68
3737640.48        3.34793  (14103124)
        401987.95   3737640.48        3.16791  (13100905)                402181.22
3737640.48        2.89866  (13100904)
        400183.47   3736330.86       38.62408  (16030606)                400058.04
3736334.23       32.89493  (16122320)
        400034.41   3736331.98       31.17940  (16122319)                399992.23
3736340.98       28.20301  (12052423)
        399987.17   3736329.73       28.10668  (12052423)                399960.17
3736333.11       26.55682  (14121122)
        399923.61   3736330.86       24.14701  (14121122)                399928.11
3736303.86       24.84623  (14121122)
        399924.73   3736261.11       24.85839  (12101804)                399970.85
3736250.42       29.44602  (14121122)
        399966.92   3736222.30       26.74126  (12101804)                399984.92
3736222.86       29.65056  (14121123)
        399993.35   3736034.43       49.99130  (13100421)                400179.53
3736035.55      173.64936  (13100505)
        400190.22   3736034.99      123.77452  (13100505)

 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                                   ***        10:15:03

                                    PAGE 228
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                          *** THE SUMMARY OF MAXIMUM PERIOD ( 43848
HRS) RESULTS ***


                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
             **
```

```
                      NETWORK
GROUP ID                     AVERAGE CONC                RECEPTOR  (XR, YR, ZELEV,
ZHILL, ZFLAG)  OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - -

ALL       1ST HIGHEST VALUE IS      23.12134 AT (  400248.52,  3736058.10,     3.35,
    3.35,    0.00)  DC
          2ND HIGHEST VALUE IS       3.42427 AT (  400248.52,  3736233.92,     2.94,
    2.94,    0.00)  DC
          3RD HIGHEST VALUE IS       1.65770 AT (  400441.79,  3735882.28,     2.91,
    2.91,    0.00)  DC
          4TH HIGHEST VALUE IS       1.59589 AT (  400190.22,  3736034.99,     3.39,
    3.39,    0.00)  DC
          5TH HIGHEST VALUE IS       1.57073 AT (  400179.53,  3736035.55,     3.40,
    3.40,    0.00)  DC
          6TH HIGHEST VALUE IS       1.52404 AT (  400441.79,  3736058.10,     2.96,
    2.96,    0.00)  DC
          7TH HIGHEST VALUE IS       1.26070 AT (  400635.06,  3735882.28,     2.81,
    2.81,    0.00)  DC
          8TH HIGHEST VALUE IS       1.10549 AT (  400248.52,  3736409.74,     3.08,
    3.08,    0.00)  DC
          9TH HIGHEST VALUE IS       1.09682 AT (  400183.47,  3736330.86,     3.30,
    3.30,    0.00)  DC
         10TH HIGHEST VALUE IS       1.08718 AT (  400182.79,  3736331.95,     3.33,
    3.33,    0.00)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
↟ *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                      ***        10:15:03

                                   PAGE 229
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                                *** THE SUMMARY OF HIGHEST  1-HR
RESULTS ***


                                  ** CONC OF PM_10    IN MICROGRAMS/M**3
             **

                                                      DATE
                                          NETWORK
GROUP ID                           AVERAGE CONC     (YYMMDDHH)             RECEPTOR
```

```
(XR, YR, ZELEV, ZHILL, ZFLAG)    OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -

ALL      HIGH   1ST HIGH VALUE IS     499.34135  ON 14061213: AT (  400248.52,
3736058.10,     3.35,     3.35,    0.00)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
↑ *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                        ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                       ***       10:15:03

                                  PAGE 230
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

 *** Message Summary : AERMOD Model Execution ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            2 Warning Message(s)
 A Total of         1017 Informational Message(s)

 A Total of        43848 Hours Were Processed

 A Total of          747 Calm Hours Identified

 A Total of          270 Missing Hours Identified (  0.62 Percent)


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***


    ********   WARNING MESSAGES   ********
 ME W186     101       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
    0.50
 ME W187     101       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET


    ************************************
    *** AERMOD Finishes Successfully ***
    ************************************
```

```
↑ *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                        ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                       ***       10:15:03

                                  PAGE   1
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                            ***     MODEL SETUP OPTIONS SUMMARY
 ***
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - -

 **Model Is Setup For Calculation of Average CONCentration Values.

   --  DEPOSITION LOGIC  --
 **NO GAS DEPOSITION Data Provided.
 **NO PARTICLE DEPOSITION Data Provided.
 **Model Uses NO DRY DEPLETION.  DRYDPLT  =  F
 **Model Uses NO WET DEPLETION.  WETDPLT  =  F

 **Model Uses URBAN Dispersion Algorithm for the SBL for     1 Source(s),
   for Total of    1 Urban Area(s):
   Urban Population =   3010232.0 ;  Urban Roughness Length =  1.000 m

 **Model Uses Regulatory DEFAULT Options:
         1. Stack-tip Downwash.
         2. Model Accounts for ELEVated Terrain Effects.
         3. Use Calms Processing Routine.
         4. Use Missing Data Processing Routine.
         5. No Exponential Decay.
         6. Urban Roughness Length of 1.0 Meter Assumed.

 **Other Options Specified:
         ADJ_U*   - Use ADJ_U* option for SBL in AERMET
         CCVR_Sub - Meteorological data includes CCVR substitutions
         TEMP_Sub - Meteorological data includes TEMP substitutions

 **Model Assumes No FLAGPOLE Receptor Heights.

 **The User Specified a Pollutant Type of:  PM_10

 **Model Calculates  1 Short Term Average(s) of:   1-HR
     and Calculates PERIOD Averages

 **This Run Includes:      1 Source(s);       1 Source Group(s); and    6069
Receptor(s)

                with:      1 POINT(s), including
                           0 POINTCAP(s) and      0 POINTHOR(s)
```

```
                and:      0 VOLUME source(s)
                and:      0 AREA type source(s)
                and:      0 LINE source(s)
                and:      0 RLINE/RLINEXT source(s)
                and:      0 OPENPIT source(s)
                and:      0 BUOYANT LINE source(s) with      0 line(s)


 **Model Set To Continue RUNning After the Setup Testing.

 **The AERMET Input Meteorological Data Version Date:  16216

 **Output Options Selected:
         Model Outputs Tables of PERIOD Averages by Receptor
         Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE
Keyword)
         Model Outputs External File(s) of High Values for Plotting (PLOTFILE
Keyword)
         Model Outputs Separate Summary File of High Ranked Values (SUMMFILE
Keyword)

 **NOTE:  The Following Flags May Appear Following CONC Values:  c for Calm Hours
                                                                 m for Missing Hours
                                                                 b for Both Calm and
Missing Hours

 **Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =    10.00 ;  Decay
Coef. =    0.000     ;  Rot. Angle =     0.0
                 Emission Units = GRAMS/SEC                                 ;
Emission Rate Unit Factor =   0.10000E+07
                 Output Units   = MICROGRAMS/M**3

 **Approximate Storage Requirements of Model =      4.2 MB of RAM.

 **Input Runstream File:          aermod.inp

 **Output Print File:             aermod.out


 **Detailed Error/Message File:   OCSD E-GEN.err

 **File for Summary of Results:   OCSD E-GEN.sum

 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        10:15:03

                                  PAGE   2
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
```

*** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***

(1=YES; 0=NO)

```
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
```

NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***

(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: ..\LongBeachAirportADJU\KLGB_V9_ADJU\KLGB_v9.SFC
Met Version: 16216
Profile file: ..\LongBeachAirportADJU\KLGB_V9_ADJU\KLGB_v9.PFL

Surface format: FREE

Profile format: FREE

Surface station no.: 23129 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN

Year: 2012 Year: 2012

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
12	01	01	1	01	-5.3	0.094	-9.000	-9.000	-999.	70.	14.3	0.10	2.68	1.00	1.13	322.	7.9	282.0	2.0
12	01	01	1	02	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.10	2.68	1.00	0.00	0.	7.9	281.4	2.0
12	01	01	1	03	-2.5	0.068	-9.000	-9.000	-999.	43.	11.4	0.10	2.68	1.00	0.74	79.	7.9	280.9	2.0
12	01	01	1	04	-3.2	0.075	-9.000	-9.000	-999.	49.	11.7	0.10	2.68	1.00	0.86	137.	7.9	280.9	2.0
12	01	01	1	05	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.10	2.68	1.00	0.00	0.	7.9	280.4	2.0
12	01	01	1	06	-5.2	0.093	-9.000	-9.000	-999.	68.	14.0	0.10	2.68	1.00	1.11	92.	7.9	279.9	2.0
12	01	01	1	07	-2.3	0.066	-9.000	-9.000	-999.	41.	11.5	0.10	2.68	1.00	0.69	67.	7.9	278.8	2.0
12	01	01	1	08	-1.7	0.060	-9.000	-9.000	-999.	36.	11.4	0.10	2.68	0.54	0.65	91.	7.9	279.9	2.0
12	01	01	1	09	36.2	-9.000	-9.000	-9.000	37.	-999.	-99999.0	0.10	2.68	0.31	0.00	0.	7.9	283.8	2.0
12	01	01	1	10	108.4	0.139	0.707	0.009	119.	124.	-2.3	0.10	2.68	0.24	0.92	319.	7.9	287.5	2.0
12	01	01	1	11	160.5	0.114	1.137	0.005	334.	93.	-1.0	0.10	2.68	0.21	0.62	23.	7.9	292.5	2.0
12	01	01	1	12	186.7	0.125	1.473	0.005	623.	105.	-1.0	0.10	2.68	0.20	0.69	18.	7.9	295.4	2.0
12	01	01	1	13	186.8	0.130	1.761	0.005	1065.	112.	-1.1	0.10	2.68	0.20	0.74	250.	7.9	297.5	2.0
12	01	01	1	14	161.7	0.150	1.834	0.005	1387.	139.	-1.9	0.10	2.68	0.21	0.96	347.	7.9	300.4	2.0
12	01	01	1	15	105.5	0.243	1.633	0.005	1499.	288.	-12.4	0.10	2.68	0.24	2.11	194.	7.9	295.9	2.0
12	01	01	1	16	32.4	0.211	1.109	0.005	1530.	233.	-26.3	0.10	2.68	0.33	1.98	186.	7.9	295.4	2.0
12	01	01	1	17	-20.5	0.250	-9.000	-9.000	-999.	300.	69.2	0.10	2.68	0.60	2.81	293.	7.9	291.4	2.0
12	01	01	1	18	-25.4	0.257	-9.000	-9.000	-999.	313.	72.8	0.10	2.68	1.00	2.90	301.	7.9	288.1	2.0
12	01	01	1	19	-21.0	0.211	-9.000	-9.000	-999.	233.	49.0	0.10	2.68	1.00	2.40	313.	7.9	286.4	2.0
12	01	01	1	20	-25.7	0.258	-9.000	-9.000	-999.	315.	73.3	0.10	2.68						

```
1.00    2.91  302.    7.9  286.4    2.0
 12 01 01   1 21  -22.5  0.225 -9.000 -9.000 -999.  256.     55.7  0.10   2.68
1.00    2.55  306.    7.9  285.4    2.0
 12 01 01   1 22   -9.3  0.126 -9.000 -9.000 -999.  111.     19.5  0.10   2.68
1.00    1.48  284.    7.9  285.9    2.0
 12 01 01   1 23  -21.4  0.214 -9.000 -9.000 -999.  237.     50.3  0.10   2.68
1.00    2.43  282.    7.9  285.4    2.0
 12 01 01   1 24  -30.1  0.300 -9.000 -9.000 -999.  394.     98.9  0.10   2.68
1.00    3.36  300.    7.9  284.2    2.0


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 12 01 01 01    7.9 1  322.    1.13   282.1   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
 *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                        ***        10:15:03

                                   PAGE   4
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                        *** THE SUMMARY OF MAXIMUM PERIOD ( 43848
HRS) RESULTS ***


                                    ** CONC OF PM_10    IN MICROGRAMS/M**3
              **


                       NETWORK
GROUP ID                      AVERAGE CONC               RECEPTOR  (XR, YR, ZELEV,
ZHILL, ZFLAG)  OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - -

ALL       1ST HIGHEST VALUE IS      23.12134 AT (  400248.52,  3736058.10,     3.35,
    3.35,    0.00)  DC
          2ND HIGHEST VALUE IS       3.42427 AT (  400248.52,  3736233.92,     2.94,
    2.94,    0.00)  DC
          3RD HIGHEST VALUE IS       1.65770 AT (  400441.79,  3735882.28,     2.91,
    2.91,    0.00)  DC
          4TH HIGHEST VALUE IS       1.59589 AT (  400190.22,  3736034.99,     3.39,
    3.39,    0.00)  DC
          5TH HIGHEST VALUE IS       1.57073 AT (  400179.53,  3736035.55,     3.40,
    3.40,    0.00)  DC
          6TH HIGHEST VALUE IS       1.52404 AT (  400441.79,  3736058.10,     2.96,
    2.96,    0.00)  DC
```

```
          7TH HIGHEST VALUE IS       1.26070 AT (  400635.06,  3735882.28,     2.81,
    2.81,    0.00)  DC
          8TH HIGHEST VALUE IS       1.10549 AT (  400248.52,  3736409.74,     3.08,
    3.08,    0.00)  DC
          9TH HIGHEST VALUE IS       1.09682 AT (  400183.47,  3736330.86,     3.30,
    3.30,    0.00)  DC
         10TH HIGHEST VALUE IS       1.08718 AT (  400182.79,  3736331.95,     3.33,
    3.33,    0.00)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
↑ *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        10:15:03

                                   PAGE   5
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                                *** THE SUMMARY OF HIGHEST  1-HR
RESULTS ***


                                    ** CONC OF PM_10    IN MICROGRAMS/M**3
             **

                                                      DATE
                                          NETWORK
GROUP ID                             AVERAGE CONC     (YYMMDDHH)             RECEPTOR
(XR, YR, ZELEV, ZHILL, ZFLAG)    OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - -

ALL      HIGH   1ST HIGH VALUE IS     499.34135  ON 14061213: AT (  400248.52,
3736058.10,     3.35,     3.35,    0.00)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
↑ *** AERMOD - VERSION  19191 ***   *** F:\Lakes\OCSD E-Gen\OCSD E-GEN\OCSD
E-GEN.isc                         ***        10/21/20
 *** AERMET - VERSION  16216 ***   ***
                       ***        10:15:03

                                   PAGE   6
```

```
*** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

*** Message Summary : AERMOD Model Execution ***

 --------- Summary of Total Messages --------

A Total of            0 Fatal Error Message(s)
A Total of            2 Warning Message(s)
A Total of         1017 Informational Message(s)

A Total of        43848 Hours Were Processed

A Total of          747 Calm Hours Identified

A Total of          270 Missing Hours Identified (  0.62 Percent)


   ******** FATAL ERROR MESSAGES ********
              ***  NONE  ***


   ********   WARNING MESSAGES   ********
ME W186     101       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
    0.50
ME W187     101       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET
```

HARP2 - HRACalc (dated 19044) 10/21/2020 10:26:45 AM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: All
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: -0.25
Total Exposure Duration: 30

Exposure Duration Bin Distribution
3rd Trimester Bin: 0.25
0<2 Years Bin: 2
2<9 Years Bin: 0
2<16 Years Bin: 14
16<30 Years Bin: 14
16 to 70 Years Bin: 0

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: True
Water: False
Fish: False
Homegrown crops: True
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: RMP

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
3rd Trimester to 16 years: OFF
16 years to 70 years: OFF

****
SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.02
Soil mixing depth (m): 0.01
Dermal climate: Warm

****
HOMEGROWN CROP PATHWAY SETTINGS

Household type: HouseholdsthatGarden
Fraction leafy: 0.137
Fraction exposed: 0.137
Fraction protected: 0.137
Fraction root: 0.137

****
TIER 2 SETTINGS
Tier2 not used.

****

Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to:
C:\Users\apoll\Desktop\HARP2\OCSD\OCSD E-Gen\HARP\OCSD E-GEN\hra\ResCancerRisk.csv
Cancer risk total by receptor saved to: C:\Users\apoll\Desktop\HARP2\OCSD\OCSD
E-Gen\HARP\OCSD E-GEN\hra\ResCancerRiskSumByRec.csv
Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to:
C:\Users\apoll\Desktop\HARP2\OCSD\OCSD E-Gen\HARP\OCSD
E-GEN\hra\ResNCChronicRisk.csv
Chronic risk total by receptor saved to: C:\Users\apoll\Desktop\HARP2\OCSD\OCSD
E-Gen\HARP\OCSD E-GEN\hra\ResNCChronicRiskSumByRec.csv
Calculating acute risk
Acute risk breakdown by pollutant and receptor saved to:
C:\Users\apoll\Desktop\HARP2\OCSD\OCSD E-Gen\HARP\OCSD E-GEN\hra\ResNCAcuteRisk.csv
Acute risk total by receptor saved to: C:\Users\apoll\Desktop\HARP2\OCSD\OCSD
E-Gen\HARP\OCSD E-GEN\hra\ResNCAcuteRiskSumByRec.csv
HRA ran successfully