Orange County Sanitation District

BIOSOLIDS MANAGEMENT COMPLIANCE REPORT

EPA 40 CFR Part 503
Year 2022

OCSAN
ORANGE COUNTY SANITATION DISTRICT

ORANGE COUNTY SANITATION DISTRICT
10844 Ellis Avenue
Fountain Valley, CA 92708
714.962.2411
www.ocsan.gov

February 16, 2023

Jayne Joy, Executive Officer
California Regional Water Quality Control Board, Santa Ana Region
3737 Main Street, Suite 500
Riverside, CA 92501-3348

SUBJECT: Orange County Sanitation District Annual Compliance Report

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Enclosed please find the Orange County Sanitation District (OC San) Biosolids Management Compliance Report as required under the 40 CFR Part 503 regulations, Arizona Administrative Code Article 10, and the National Pollution Discharge Elimination System (NPDES) Permit No. CA0110604, Order No. R8-2021-0010, Attachment G.

OC San has uploaded this report into the EPA biosolids electronic reporting database and submitted e-mail copies to state and local regulators. A copy of OC San's EPA electronic report is included as Appendix D.

Certification Statement
The following certifications satisfy procedural requirements as listed in section V.B.5 of the Orange County Sanitation District NPDES Permit No. CA0110604 and 40 CFR part 503, section 503.17 for the submittal of the attached compliance report for calendar year 2022.

> ***NPDES permit:*** *I certify, under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or the persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.*

If you have any questions, comments, or require additional data, please contact Cindy Vellucci at (714) 593-7156. I can be reached at (714) 593-7450.

Lan C. Wiborg
Director of Environmental Services

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February 16, 2023

Sondra Francis
Arizona Department of Environmental Quality
Water Permits Section
1110 West Washington Street, 5415-B-3
Phoenix, AZ 85007

SUBJECT: Orange County Sanitation District Annual Compliance Report

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Enclosed please find the Orange County Sanitation District (OC San) Biosolids Management Compliance Report as required under the 40 CFR Part 503 regulations, Arizona Administrative Code Article 10, and the National Pollution Discharge Elimination System (NPDES) Permit No. CA0110604, Order No. R8-2021-0010, Attachment G.

OC San has uploaded this report to the EPA biosolids electronic reporting database and submitted e-mail copies to state and local regulators. A copy of OC San's Arizona biosolids annual reporting form is included as Appendix E, and the EPA electronic report is included as Appendix D.

Certification Statement
The following certifications satisfy procedural requirements as listed in Arizona Administrative Code Article 10 under section R18-9-1013 for the submittal of the attached EPA 40 CFR Part 503 Compliance Report for calendar year 2022.

> ***Arizona Class B:*** *I certify, under penalty of law, that the pollutant analyses and the description of pathogen treatment and vector attraction reduction activities have been made under my direction and supervision and under a system designed to ensure that qualified personnel properly gather and evaluate the information used to determine whether the applicable biosolids requirements have been met. I am aware that there are significant penalties for false certification including the possibility of fine and imprisonment.*

If you have any questions, comments, or require additional data, please contact Cindy Vellucci at (714) 593-7156. I can be reached at (714) 593-7450.

Lan C. Wiborg
Director of Environmental Services

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Irvine Ranch Water District
Yorba Linda Water District

2022 BIOSOLIDS MANAGEMENT COMPLIANCE REPORT

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Section 1. Introduction

The Orange County Sanitation District (OC San) manages biosolids, which consist of the nutrient-rich organic matter recovered through the wastewater treatment process that are beneficially used offsite (recycled), in accordance with all local, state, and federal regulations and best management practices.

OC San is a public agency that provides wastewater collection, treatment, and recycling services for approximately 2.6 million people in central and northwest Orange County, California, having two plants, Reclamation Plant No. 1 located in the city of Fountain Valley and Treatment Plant No. 2 located in the city of Huntington Beach. OC San is classified as a special district agency that is governed by a Board of Directors consisting of twenty-five board members appointed from twenty cities, four special districts, and one representative from the Orange County Board of Supervisors.

This annual compliance report summarizes OC San's biosolids activities and performances for the reporting period of January 1 to December 31, 2022.

Section 2. Biosolids Regulatory Requirements

OC San treats and manages its biosolids in accordance with OC San's NPDES Permit, Arizona Administrative Code Title 18, Ch. 9, Article 10 (R18-9), and United States Environmental Protection Agency (USEPA) Code of Federal Regulations Title 40 Part 503.

Table 1 illustrates OC San's NPDES permit annual reporting requirements for biosolids:

Table 1 – OC San NPDES Permit Requirements

Requirement	Annual Report Related Section
Biosolids Report. By February 19th of each year, the Discharger shall submit an annual biosolids report into USEPA's CDX electronic reporting system, with an electronic copy to the Santa Ana Water Board by email at santaana@waterboards.ca.gov, for the period covering the previous calendar year (January 1 through December 31). The annual reports shall contain, but not be limited to, the information required in the attached Biosolids Reporting Requirements (Attachment G), or an approved	Appendix E contains the submitted USEPA CDX electronic report plus this entire report is emailed to USEPA, Water Board, and Arizona regulators.

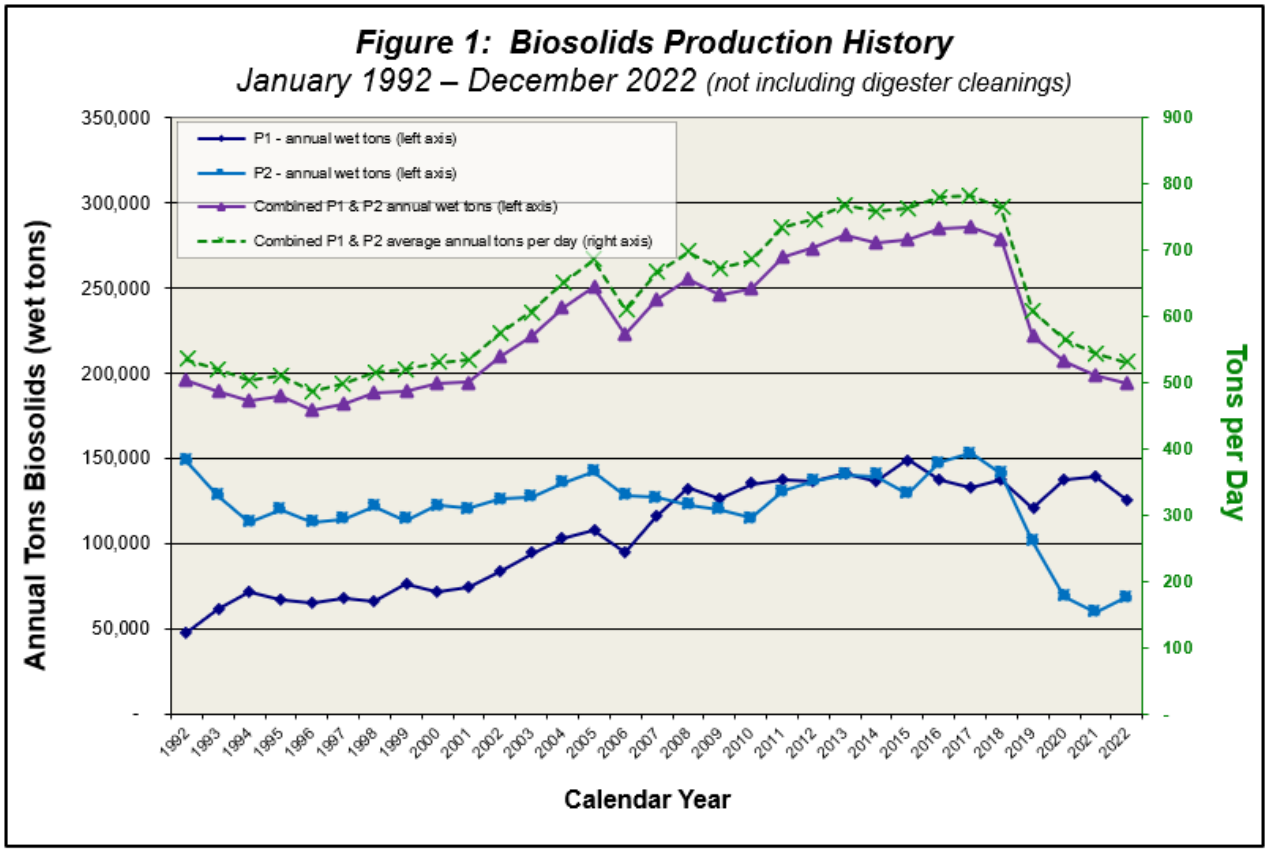
Table 1 – OC San NPDES Permit Requirements	
Requirement	**Annual Report Related Section**
revised version thereof. If the Discharger is not in compliance with any conditions or requirements of this Order/Permit, the Discharger shall include the reasons for noncompliance and shall state how and when the Discharger will comply with such conditions and requirements.	
The Discharger shall submit an annual biosolids report into USEPA's CDX electronic reporting system, with an electronic copy to the Santa Ana Water Board by email at santaana@waterboards.ca.gov, by February 19 of each year for the period covering the previous calendar year.	Appendix E contains the submitted USEPA CDX electronic report plus this entire report is emailed to USEPA, Water Board, and Arizona regulators.
The report shall include the tonnages of biosolids (reported in dry metric tons, 100% dry weight), that were land applied (without further treatment by another party), land applied after further treatment by another preparer, disposed in a sludge-only surface disposal site, sent to a landfill for alternative cover or fill, stored on site or off site, or used for another purpose.	Table 3 below, Appendix E
The report shall include the following attachments:	
1. Monitoring results from laboratories (results only, QA/QC pages not required). Copies of original lab reports must be available upon request and confirm the results are on a 100% dry weight basis. Lab reports for fecal coliforms must show the time the samples were collected, and the time analysis was started.	Lab reports are available on OC San internal network.
2. If operational parameters were used to demonstrate compliance with pathogen reduction and vector attraction reduction, the minimum mean of these parameters for each sampling period (i.e., minimum mean cell residence times (MCRTs) and temperatures).	Appendix A
3. If biosolids are stored on-site or off-site for more than 2 years, the information required in 40 CFR § 503.20(b) to demonstrate that the storage is temporary.	Not applicable (no biosolids stored on-site or off-site).
If biosolids were land applied, the Discharger shall have the person applying the biosolids submit a pdf report to USEPA and State agency showing the name of each field; location, ownership, size in acres; the dates of applications, seedings, harvesting; the tonnage applied to field, in actual and dry weight; the calculated Plant Available	Tule Ranch/Ag-Tech is required to independently submit to USEPA and Arizona regulators.

Table 1 – OC San NPDES Permit Requirements	
Requirement	**Annual Report Related Section**
Nitrogen; and copies of applier's certifications of management practices and site restrictions.	

Section 3. Treatment Plants

During the 2022 annual reporting period, Reclamation Plant No. 1 treated an average of 119 MGD of wastewater and Treatment Plant No. 2 treated an average of 60 MGD, producing a combined total of 193,830 wet tons of biosolids (45,414 dry metric tons), which equates to an average of 531 wet tons per day of biosolids including digester cleanings managed in compliance with "Class B" biosolids management practices as defined in 40 CFR Part 503.

Dewatered biosolids averaged 25% total solids at Plant No. 1 and 28% total solids at Plant No. 2. Detailed data, including monthly averages, annual totals, and analytical results, can be viewed in Figure 1 and Table 3 below, as well as in Appendices A, B, C, and D.



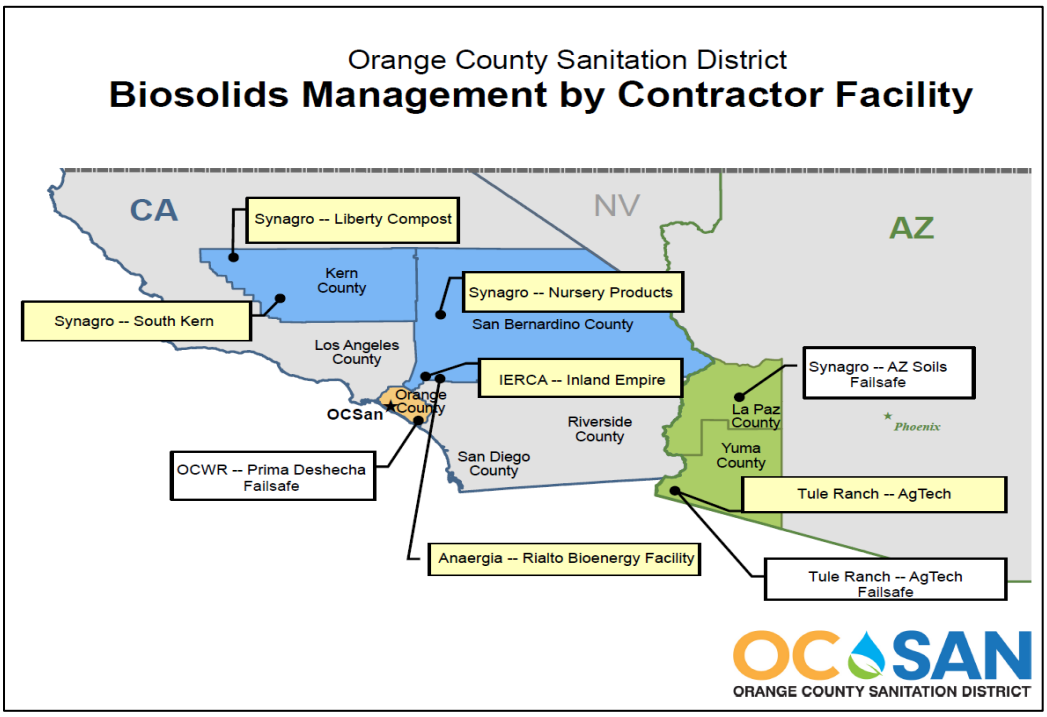
For this annual reporting period, OC San's biosolids met the following regulatory standards and/or criteria:

- OC San's biosolids were digested for at least 15 days at a minimum of 95 degrees Fahrenheit, with a volatile solids destruction of at least 38%.
- OC San's anaerobically digested biosolids met compliance with the "Class B Pathogen Reduction" and "Vector Attraction Reduction" definition for "Class B" biosolids as defined in 40 CFR Part 503.32(b)(3) (PSRP 3) and 503.33(b)(1).
- Tule Ranch-AgTech's standard operating procedure includes biosolids incorporation within six (6) hours which meets 40 CFR Part 503.33(b)(10) requirement for "Vector Attraction Reduction". This added redundancy is critical in the case of rare events when OC San experiences challenges meeting the Vector Attraction Reduction standard at the plants.
- OC San's compost contractors' processes meet Class ADEQ standards, and therefore OC San is not required to meet Class B standards at the plants in order to utilize for these biosolids management options.

Section 4. Biosolids Management

OC San is committed in supporting beneficial reuse of biosolids (OC San Resolution 13-03). During this reporting period, OC San recycled 99.8% of OC San's biosolids with about 1.4% of which originating from digester cleaning materials that went to Liberty Compost in Kern County (California). The remaining 83 dry tons (0.2%) of biosolids went to landfills due to a driver and hauling shortage during October and November 2022. Refer to Figure 2 Distribution Map.

Figure 2 – Orange County Sanitation District Biosolids Management by Contractor Facility



The contractors listed below in Table 2 have provided OC San with biosolids management

diversification and reliability. The contractors submit their annual compliance reports directly to USEPA, in accordance with OC San's NPDES permit requirements.

Table 2- Biosolids Management Contractors	
Synagro - Nursery Products PO Box 1439 Helendale, CA 92342 Contact: Venny Vasquez, Manager Phone: (760) 265-5210 Email: vvasquez@SYNAGRO.com	**Synagro – South Kern Compost Manufacturing Facility** PO Box 265 Taft, CA 93268 Contact: Rob Rankin, Manager Phone: (661) 765-2200 Email: rrankin@SYNAGRO.com
Liberty Compost 12421 Holloway Rd. Lost Hills, CA 93249 Contact: Wilson Nolan, Manager Phone: (661) 619-7320 Email: WNolan@synagro.com	**Synagro – Arizona Soils** 5615 S. 91st Avenue Tolleson, AZ 85353 Contact: Craig Geyer, Manager Phone: (623) 936-6328 Email: CGeyer@SYNAGRO.com
Tule Ranch / Ag-Tech 4324 E. Ashlan Ave. Fresno, CA 93726 Contact: Kurt Wyrick, Controller Phone: (559) 970-9432 Email: kurt@westexp.com	**Inland Empire Regional Composting Authority** 12645 6th Street Rancho Cucamonga, CA 91739 Contact: Jeff Ziegenbein, Manager Phone: (909) 993-1981 Email: jziegenbein@ieua.org
Rialto Bioenergy Facility 503 East Santa Ana Avenue, Rialto, CA 92316 Contact: John Hutson, Facility Manager Phone: (224) 500-7712 Email: John.Hutson@anaergia.com	

For this reporting period, OC San's biosolids were beneficially reused as illustrated in Table 3. More detailed breakdowns are available in Appendices A and D.

Table 3 - Biosolids Managed Tonnage Distribution

Quantity Generated	Plant No. 1	Plant No. 2	Total	Relative %
Tule Ranch AZ (land application) (wet tons)	25,825	42,701	68,525	35%
Tule Ranch AZ (land application) (dry metric tons)	5,743	10,950	16,694	
Liberty Compost CA (wet tons)	40,914	16,087	57,001	29%
Liberty Compost CA (dry metric tons)	9,230	4,005	13,235	
Rialto Bioenergy Facility CA - heat drying (wet tons)	15,387	1,336	16,723	9%
Rialto Bioenergy Facility CA - heat drying (dry metric tons)	3,428	341	3,768	
Synagro - Nusery Products CA - (compost) (wet tons)	22,018	0	22,018	11%
Synagro - Nusery Products CA - (compost) (dry metric tons)	4,869	0	4,869	
Synagro - South Kern - compost (wet tons)	18,160	0	18,160	9.4%
Synagro - South Kern - compost (dry metric tons)	4,049	0	4,049	
Synagro - AZ Soils - compost (wet tons)	2,452	0	2,452	1.3%
Synagro - AZ Soils - compost (dry metric tons)	543	0	543	
Inland Empire Regional Composting (wet tons)	222	8,363	8,585	4.4%
Inland Empire Regional Composting (dry metric tons)	50	2,124	2,174	
La Paz Landfill, AZ (landfill) (wet tons)	0	0	0	0.0%
La Paz Landfill, AZ (landfill) (dry tons)	0	0	0	
Holloway, CA (landfill) (wet tons)	119	0	119	0.1%
Holloway, CA (landfill) (dry tons)	27	0	27	
Prima Landfill (landfill) (wet tons)	247	0	247	0.1%
Prima Landfill CA (landfill) (dry tons)	56	0	56	
Total Wet Tons	**125,343**	**68,487**	**193,830**	**100%**
Total Dry Metric Tons	**27,994**	**17,420**	**45,414**	**182**

Section 5. Summary of Pollutants

OC San's Biosolids Monthly Compliance Reports (Appendix A) compare the limits of the pollutants listed in 40 CFR 503 to OC San's average biosolids concentrations for each plant. During this reporting period, OC San has met all regulated pollutants limits. The average concentrations of all pollutants in OC San's biosolids are typically an order of magnitude below the conservative "Table 1 Ceiling Limits" and "Table 3 Exceptional Quality Limits" found in 40 CFR Part 503.

Since 1976, OC San's Pretreatment Program has been successfully reducing the average mass of metals discharged to the marine environment by 99% and the total mass of metals in the influent sewage by 89%, thereby ensuring OC San's biosolids can be recycled to farm fields. Appendix B contains the biosolids chapter excerpt from the OC San Pretreatment Program Annual Report (www.ocsan.gov/PreTreatAnnual, Chapter 8) that includes graphs of metals in OC San's biosolids.

Section 6 Determination of Hazardousness

During this reporting period, OC San's biosolids pollutant concentrations were well below the state and federal maximum contaminant concentrations for being determined as hazardous waste. Reference OC San's biosolids monitoring data in Appendix C, Summary of Biosolids Monitoring Results.

To ensure OC San's biosolids program continues to meet the definition of biosolids per 40 CFR 503, OC San annually verifies its biosolids are non-hazardous. Although OC San does not anticipate its sewage sludge to ever be classified as hazardous, should that highly unlikely scenario occur, the affected biosolids will be managed via 40 CFR 261 and disposed of in accordance with the Resource Conservation and Recovery Act. Relevant regulations regarding hazardous waste are found in the California Code of Regulations Title 22.

OC San's biosolids have been determined to be non-hazardous based on the following evaluation:

- OC San's biosolids are not ignitable, corrosive, reactive, nor toxic in accordance with the federal regulatory definitions in 40 CFR Part 261.
- OC San performs annual testing of an extensive list of organic and inorganic compounds to verify the continued non-hazardousness of our biosolids.
- When the compounds are non-detectable, OC San enters the method detection limit in the evaluation spreadsheet that compares the data to regulatory limits.

Section 7. Biosolids Management System

The following sections highlight OC San's continued commitment to the biosolids management system.

7.1 Communications

OC San has continued transparent communications during this reporting period. OC San posts timely updates including biosolids news, biosolids videos (www.youtube.com/OrangeCountySanitationDistrict), and updated OC San resources such as listed below:

- Monthly compliance reports and data (www.ocsan.gov/nani),
- Annual compliance reports (www.ocsan.gov/503),
- Biosolids Contractor Requirements document (www.ocsan.gov/bcr), and
- Biosolids allocation map (www.ocsan.gov/map).

7.2 Contractor Oversight Program

OC San enforces a strong contractor oversight program. During this reporting period, OC San conducted the following:

- Performed four (4) contractor site inspections in 2022,

- Reviewed Local Enforcement Agency reports and monthly contractor reports to maintain an ongoing understanding of each contractor compliance status.

- Notice of Violations (NOVs) were issued for two (2) biosolids contractors by local enforcement agencies during this annual reporting period. OC San has closely monitored each open issue and maintained communications with the contractor to track progress in addressing outstanding NOVs:

    - Nursery Products has received multiple NOVs from several agencies over the last year. The majority of these NOVs originated from a fire that occurred on 5/28/2022 and continued smoldering thereafter. The facility received a cease-and-desist in 2022 and has since worked with several agencies to revise programs, make operational improvements, and address ongoing issues. In early 2023 the facility reopened on a limited basis and is planning to return to full operational capacity sometime during the first half of 2023.

    - Rialto Bioenergy Facility: The LEA issued an NOV to the facility in early 2022 because a report was submitted late. The facility has since implemented a compliance reporting calendar.

- Performed 23 hauling inspections, which encompassed 23 out of 41 regular drivers this year. There are nine active drivers who are currently on OC San's "Honor Roll" for successfully passing three consecutive hauler inspections by demonstrating their excellence in truck cleanliness and knowledge of biosolids and emergency protocols. Many have been placed back in the hauler pool to inspect for another three consecutive inspections as their honor roll status have expired after three years.

APPENDIX A - Biosolids Monthly Compliance Reports, January – December 2022

Table 1: OC San Biosolids Wet and Dry Tonnage Distribution, Plant No. 1
Table 2: OC San Biosolids Wet and Dry Tonnage Distribution, Plant No. 2
Biosolids Monthly Compliance Reports, January – December 2022

Table 1: OC San Biosolids Wet and Dry Tonnage Distribution

Reclamation Plant No. 1, Fountain Valley, CA

Biosolids Generated	Jan	Feb	Mar	April	May	June	July	Aug	Sep	Oct	Nov	Dec	Annual Average
Biosolids Total Solids (%)	24	24	25	24	25	24	25	25	25	25	25	24	**25**
Management Locations	**Jan**	**Feb**	**Mar**	**April**	**May**	**June**	**July**	**Aug**	**Sep**	**Oct**	**Nov**	**Dec**	**Total**
Tule Ranch AZ - land application (wet tons)	2,003	1,425	1,611	1,966	2,120	2,564	1,858	2,192	2,111	2,021	2,616	3,338	**25,825**
Tule Ranch AZ - land application (dry metric tons)	436	310	365	428	481	558	421	487	479	458	593	727	**5,743**
Liberty Compost CA (wet tons)	2,374	1,867	2,375	1,792	1,336	3,128	5,976	6,103	1,266	5,895	3,598	4,731	**40,440**
Liberty Compost CA (dry metric tons)	517	406	538	390	303	681	1,355	1,356	287	1,337	816	1,030	**9,016**
Rialto Bioenergy Facility CA - heat drying (wet tons)	1,134	1,458	1,189	1,833	1,189	1,360	944	917	2,004	1,288	1,552	519	**15,387**
Rialto Bioenergy Facility CA - heat drying (dry metric tons)	247	317	270	399	270	296	214	204	455	292	352	113	**3,428**
Synagro - Nusery Products CA - compost (wet tons)	4,100	4,333	4,257	3,831	4,096	1,401	0	0	0	0	0	0	**22,018**
Synagro - Nusery Products CA - compost (dry metric tons)	893	943	965	834	929	305	0	0	0	0	0	0	**4,869**
Synagro - South Kern - compost (wet tons)	1,383	809	1,383	1,383	1,286	1,278	1,279	1,458	1,780	1,782	2,388	1,953	**18,160**
Synagro - South Kern - compost (dry metric tons)	301	176	314	301	292	278	290	324	404	404	541	425	**4,049**
Synagro - AZ Soils - compost (wet tons)	0	0	0	0	0	351	543	519	50	0	123	866	**2,452**
Synagro - AZ Soils - compost (dry metric tons)	0	0	0	0	0	76	123	115	11	0	28	189	**543**
Inland Empire Regional Composting (wet tons)	0	25	0	24	49	0	0	75	49	0	0	0	**222**
Inland Empire Regional Composting (dry metric tons)	0	5	0	5	11	0	0	17	11	0	0	0	**50**
Holloway Landfill (wet tons)	0	0	0	0	0	0	0	0	0	119	0	0	**119**
Holloway Landfill (dry metric tons)	0	0	0	0	0	0	0	0	0	27	0	0	**27**
Prima Landfill (wet tons)	0	0	0	0	0	0	0	0	0	148	99	0	**247**
Prima Landfill (dry tons)	0	0	0	0	0	0	0	0	0	34	22	0	**56**
Total Wet Tons	**10,995**	**9,915**	**10,816**	**10,829**	**10,077**	**10,082**	**10,600**	**11,263**	**7,260**	**11,252**	**10,375**	**11,407**	**124,869**
Total Dry Metric Tons	**2,393**	**2,158**	**2,452**	**2,357**	**2,285**	**2,195**	**2,404**	**2,503**	**1,646**	**2,551**	**2,352**	**2,483**	**27,780**

Digester Cleanings	**Jan**	**Feb**	**Mar**	**April**	**May**	**June**	**July**	**Aug**	**Sep**	**Oct**	**Nov**	**Dec**	**Total**
Digester(s)	**6**											**12**	
Digester Cleaning Total Solids Percents	**54**											**18**	
Liberty Compost (compost) (wet tons)	418	0	0	0	0	0	0	0	0	0	0	56	**474**
Liberty Compost (compost) (dry metric tons)	205	0	0	0	0	0	0	0	0	0	0	9	**214**
Digester Cleaning Total Wet Tons	418	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**56**	**474**
Total Dry Metric Tons	205	0	0	0	0	0	0	0	0	0	0	**9**	**214**
Total Wet Tons (Biosolids plus Digester Cleanings)	**11,413**	**9,915**	**10,816**	**10,829**	**10,077**	**10,082**	**10,600**	**11,263**	**7,260**	**11,252**	**10,375**	**11,463**	**125,343**
Total Dry Metric Tons (Biosolids plus Digester Cleanings)	**2,598**	**2,158**	**2,452**	**2,357**	**2,285**	**2,195**	**2,404**	**2,503**	**1,646**	**2,551**	**2,352**	**2,492**	**27,994**

Wet Tons

125,343

Dry Tons

27,994

Table 2: OC San Biosolids Wet and Dry Tonnage Distribution

Wastewater Treatment Plant No. 2, Huntington Beach, CA

Biosolids Generated	Jan	Feb	Mar	April	May	June	July	Aug	Sep	Oct	Nov	Dec	Annual Average
Biosolids Total Solids (%)	28	28	28	28	29	28	29	29	28	28	28	28	**28**
Management Locations	**Jan**	**Feb**	**Mar**	**April**	**May**	**June**	**July**	**Aug**	**Sep**	**Oct**	**Nov**	**Dec**	**Total**
Tule Ranch AZ - land application (wet tons)	3,544	3,860	4,200	3,787	3,318	3,277	3,601	3,655	3,485	3,450	3,009	3,516	**42,701**
Tule Ranch AZ - land application (dry metric tons)	900	980	1,067	972	873	832	947	961	885	876	764	893	**10,950**
Liberty Compost CA (wet tons)	227	277	455	811	937	455	430	558	7,312	658	1,191	785	**14,097**
Liberty Compost CA (dry metric tons)	58	70	116	206	238	116	109	142	1,857	167	302	199	**3,580**
Rialto Bioenergy Facility CA - heat drying (wet tons)	0	0	1,189	0	0	0	146	0	0	0	0	0	**1,336**
Rialto Bioenergy Facility CA - heat drying (dry metric tons)	0	0	302	0	0	0	38	0	0	0	0	0	**341**
Inland Empire Regional Composting (wet tons)	523	399	499	572	723	944	970	872	520	517	764	1,060	**8,363**
Inland Empire Regional Composting (dry metric tons)	133	101	127	145	184	240	246	221	132	131	194	269	**2,124**
Synagro - Nusery Products CA - compost (wet tons)	0	0	0	0	0	0	0	0	0	0	0	0	**0**
Synagro - Nusery Products CA - compost (dry metric tons)	0	0	0	0	0	0	0	0	0	0	0	0	**0**
Synagro - South Kern - compost (wet tons)	0	0	0	0	0	0	0	0	0	0	0	0	**0**
Synagro - South Kern - (dry metric tons)	0	0	0	0	0	0	0	0	0	0	0	0	**0**
Synagro- AZ Soils-compost (wet tons)	0	0	0	0	0	0	0	0	0	0	0	0	**0**
Synagro - AZ Soils-compost (dry metric tons)	0	0	0	0	0	0	0	0	0	0	0	0	**0**
Biosolids Total Wet Tons	**4,295**	**4,535**	**6,343**	**5,170**	**4,978**	**4,676**	**5,147**	**5,085**	**11,317**	**4,625**	**4,964**	**5,361**	**66,496**
Total Dry Metric Tons	**1,091**	**1,152**	**1,611**	**1,323**	**1,294**	**1,188**	**1,341**	**1,324**	**2,874**	**1,175**	**1,261**	**1,362**	**16,995**

Digester Cleanings	Jan	Feb	Mar	April	May	June	July	Aug	Sep	Oct	Nov	Dec	Total
Digester(s)	**Q**	**Q**	**C**										
Digester Cleaning Total Solids Percent (average)	**23**	**23**	**26**										
Liberty Compost (compost) (wet tons)	270	1360	360	0	0	0	0	0	0	0	0	0	**1,990**
Liberty Compost (compost) (dry metric tons)	56	284	85	0	0	0	0	0	0	0	0	0	**425**
Digester Cleaning Total Wet Tons	**270**	**1,360**	**360**	0	0	0	0	0	0	0	0	0	**1,990**
Total Dry Metric Tons	**56**	**284**	**85**	0	0	0	0	0	0	0	0	0	**425**
Total Wet Tons (Biosolids plus Digester Cleanings)	**4,564**	**5,895**	**6,703**	**5,170**	**4,978**	**4,676**	**5,147**	**5,085**	**11,317**	**4,625**	**4,964**	**5,361**	**68,487**
Total Dry Metric Tons (Biosolids plus Digester Cleanings)	**1,147**	**1,436**	**1,696**	**1,323**	**1,294**	**1,188**	**1,341**	**1,324**	**2,874**	**1,175**	**1,261**	**1,362**	**17,420**

Wet Tons
68,487

Dry Tons
17,420

ORANGE COUNTY SANITATION DISTRICT

Biosolids Monthly Compliance Report

Facility Name: Orange County Sanitation District Reclamation Plant #1, Fountain Valley, CA and Treatment Plant #2, Huntington Beach,
Monitoring Period: January 1- 31, 2022

This notice and necessary information demonstrates compliance with requirements of the Code of Federal Regulations Title 40 Part 503 and the Arizona Administrative Code Title 18, Chapter 9, Article 10 for land application pollutant concentrations, Class B pathogen reduction via anaerobic digestion (40CFR 503.32(b)(3)(A)(3), AAC R18-9-1006(E)(5)), and vector attraction reduction via volatile solids reduction (40CFR 503.33(b)(1), AAC R18-9-1010(A)(1)).

Sampling date(s): 01/04/22, 01/25/22

	Mercury (mg/kg dry)	Arsenic (mg/kg dry)	Cadmium (mg/kg dry)	Chromium (mg/kg dry)	Copper (mg/kg dry)	Lead (mg/kg dry)	Molybdenum (mg/kg dry)	Nickel (mg/kg dry)	Selenium (mg/kg dry)	Zinc (mg/kg dry)	Ammonia Nitrogen (mg/kg dry)	Organic Nitrogen (mg/kg dry)	Total Nitrogen (mg/kg dry)	pH	Total Solids (%)	VSR (%)
Plant 1 Max/Min*	1.0	11	1.3	44	440	6.6	13	27	11	830	11,000	52,000	63,000	7.8	23	70
Plant 1 Avg	0.81	11	1.3	43	430	6.3	13	26	9.3	770	8,800	51,000	60,000		23	
Plant 2 Max/Min*	1.0	9.9	1.2	51	320	3.7	14	27	11	660	5,500	54,000	59,000	7.8	27	58
Plant 2 Avg	1.0	9.9	1.2	51	320	3.7	14	27	11	660	5,500	54,000	59,000		27	
Table 1	57	75	85	3000	4300	840	75	420	100	7500	N/A	N/A	N/A	6.5	15	38
Table 3	17	41	39	N/A	1500	300	N/A	420	100	2800	N/A	N/A	N/A	N/A	N/A	N/A

OCSD Plant 1	System Summary	Dig. 7	Dig. 8	Dig. 9	Dig. 10	Dig. 11	Dig. 12	Dig. 13	Dig. 14	Dig. 15	Dig. 16
Minimum Mean Cell Residence Time (Min 15 days)**	24	24	24	24	25	23	23	23	23	Out of Service	Out of Service
Minimum Temperature (Min 95 °F)	99	99	99	100	100	100	99	99	100	Out of Service	Out of Service

OCSD Plant 2	System Summary	Dig. C	Dig. D	Dig. E	Dig. F	Dig. G	Dig. H	Dig. I	Dig. J	Dig. L	Dig. M	Dig. N	Dig. O	Dig. P	Dig. Q	Dig. R	Dig. S	Dig. T
Minimum Mean Cell Residence Time (Min 15 days)**	24	Out of Service	Out of Service	24	Out of Service	24	24	Out of Service	Out of Service	24	24	24	Out of Service	25	28	25	28	24
Minimum Temperature (Min 95 °F)	98	Out of Service	Out of Service	98	Out of Service	100	99	Out of Service	Out of Service	100	98	100	Out of Service	98	99	100	100	99

DNQ (Detected, Not Quantified) represents estimated values above the method detection limit (MDL), but below the reporting limit (RL).
* Maximum values are reported for metals and nitrogen parameters; minimum values are reported for pH, volatile solids reduction (VSR) and total solids. Analysis of pH is conducted to comply with AAC R18-9-1007(A)(1). The limit for total solids applies only if biosolids are sent to a California landfill, per CCR Title 27 Section 20220(c)(3).
** MCRT based on a 15-Day Rolling Average.

OCSAN
ORANGE COUNTY SANITATION DISTRICT

Biosolids Monthly Compliance Report

Facility Name: Orange County Sanitation District Reclamation Plant #1, Fountain Valley, CA and Treatment Plant #2, Huntington Beach,
Monitoring Period: January 1- 31, 2022

Certifications:

NPDES permit: *I certify, under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or the persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.*

503 Class B: *I certify, under penalty of law, that the Class B pathogen requirements in 503.32(b) and the vector attraction reduction requirement in 503.33(b)(1) have been met. This determination has been made under my direction and supervision in accordance with the system designed to ensure that qualified personnel properly gather and evaluate the information used to determine that the pathogen requirements and vector attraction requirements have been met. I am aware that there are significant penalties for false certification including the possibility of fine and imprisonment.*

Arizona Class B: *I certify, under penalty of law, that the pollutant analyses and the description of pathogen treatment and vector attraction reduction activities have been made under my direction and supervision and under a system designed to ensure that qualified personnel properly gather and evaluate the information used to determine whether the applicable biosolids requirements have been met. I am aware that there are significant penalties for false certification including the possibility of fine and imprisonment.*

Jim Spears

Jim Spears
Operations Manager
jspears@ocsan.gov
(714) 593-7081

Lan C. Wiborg
Environmental Services Director
lwiborg@ocsan.gov
(714) 593-7540

Cindy Vellucci	Rachel Van Exel	Peter Park	Tom Meregillano
Cindy Vellucci (Feb 13, 2023 09:11 PST)		Peter Park (Feb 13, 2023 10:11 PST)	

ORANGE COUNTY SANITATION DISTRICT

Biosolids Monthly Compliance Report

Facility Name: Orange County Sanitation District Reclamation Plant #1, Fountain Valley, CA and Treatment Plant #2, Huntington Beach,
Monitoring Period: February 1- 28, 2022

This notice and necessary information demonstrates compliance with requirements of the Code of Federal Regulations Title 40 Part 503 and the Arizona Administrative Code Title 18, Chapter 9, Article 10 for land application pollutant concentrations, Class B pathogen reduction via anaerobic digestion (40CFR 503.32(b)(3)(A)(3), AAC R18-9-1006(E)(5)), and vector attraction reduction via volatile solids reduction (40CFR 503.33(b)(1), AAC R18-9-1010(A)(1)).

Sampling date(s): 02/01/22, 02/08/22

	Mercury (mg/kg dry)	Arsenic (mg/kg dry)	Cadmium (mg/kg dry)	Chromium (mg/kg dry)	Copper (mg/kg dry)	Lead (mg/kg dry)	Molybdenum (mg/kg dry)	Nickel (mg/kg dry)	Selenium (mg/kg dry)	Zinc (mg/kg dry)	Ammonia Nitrogen (mg/kg dry)	Organic Nitrogen (mg/kg dry)	Total Nitrogen (mg/kg dry)	pH	Total Solids (%)	VSR (%)
Plant 1 Max/Min*	0.55	11	1.2	46	510	6.3	17	27	7.2	800	10,000	53,000	63,000	7.8	24	66
Plant 1 Avg	0.49	9.2 DNQ	1.0	39	430	4.9	13	23	6.7	680	7,600	49,000	56,000		28	
Plant 2 Max/Min*	0.54	14	1.3	54	370	3.6	19	29	9.8	730	6,200	48,000	54,000	7.5	26	64
Plant 2 Avg	0.43	14	1.3	52	350	3.3	18	28	9.8	700	5,200	45,000	50,000		27	
Table 1	57	75	85	3000	4300	840	75	420	100	7500	N/A	N/A	N/A	6.5	15	38
Table 3	17	41	39	N/A	1500	300	N/A	420	100	2800	N/A	N/A	N/A	N/A	N/A	N/A

OCSD Plant 1	System Summary	Dig. 7	Dig. 8	Dig. 9	Dig. 10	Dig. 11	Dig. 12	Dig. 13	Dig. 14	Dig. 15	Dig. 16
Minimum Mean Cell Residence Time (Min 15 days)**	24	24	24	25	25	23	23	23	23	Out of Service	Out of Service
Minimum Temperature (Min 95 °F)	98	100	99	98	98	100	99	99	100	Out of Service	Out of Service

OCSD Plant 2	System Summary	Dig. C	Dig. D	Dig. E	Dig. F	Dig. G	Dig. H	Dig. I	Dig. J	Dig. L	Dig. M	Dig. N	Dig. O	Dig. P	Dig. Q	Dig. R	Dig. S	Dig. T
Minimum Mean Cell Residence Time (Min 15 days)**	26	Out of Service	Out of Service	26	Out of Service	26	26	Out of Service	Out of Service	25	25	25	Out of Service	26	Out of Service	26	26	26
Minimum Temperature (Min 95 °F)	98	Out of Service	Out of Service	98	Out of Service	101	98	Out of Service	Out of Service	101	100	101	Out of Service	100	Out of Service	102	102	101

DNQ (Detected, Not Quantified) represents estimated values above the method detection limit (MDL), but below the reporting limit (RL).
* Maximum values are reported for metals and nitrogen parameters; minimum values are reported for pH, volatile solids reduction (VSR) and total solids. Analysis of pH is conducted to comply with AAC R18-9-1007(A)(1). The limit for total solids applies only if biosolids are sent to a California landfill, per CCR Title 27 Section 20220(c)(3).
** MCRT based on a 15-Day Rolling Average.

ORANGE COUNTY SANITATION DISTRICT

Biosolids Monthly Compliance Report

Facility Name: Orange County Sanitation District Reclamation Plant #1, Fountain Valley, CA and Treatment Plant #2, Huntington Beach,
Monitoring Period: February 1- 28, 2022

Certifications:

NPDES permit: *I certify, under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or the person responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are signifi penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.*

503 Class B: *I certify, under penalty of law, that the Class B pathogen requirements in 503.32(b) and the vector attraction reduction requirement in 503.33(b)(1) have been m determination has been made under my direction and supervision in accordance with the system designed to ensure that qualified personnel properly gather and evaluate the information used to determine that the pathogen requirements and vector attraction requirements have been met. I am aware that there are significant penalties for false certi including the possibility of fine and imprisonment.*

Arizona Class B: *I certify, under penalty of law, that the pollutant analyses and the description of pathogen treatment and vector attraction reduction activities have been ma my direction and supervision and under a system designed to ensure that qualified personnel properly gather and evaluate the information used to determine whether the app biosolids requirements have been met. I am aware that there are significant penalties for false certification including the possibility of fine and imprisonment.*

Jim Spears
Operations Manager
jspears@ocsan.gov
(714) 593-7081

Lan C. Wiborg
Environmental Services Director
lwiborg@ocsan.gov
(714) 593-7540

Cindy Vellucci	Rachel Van Exel	Peter Park	Tom Meregillano
Cindy Vellucci (Feb 13, 2023 10:07 PST)		Peter Park (Feb 13, 2023 11:17 PST)	

ORANGE COUNTY SANITATION DISTRICT

Biosolids Monthly Compliance Report

Facility Name: Orange County Sanitation District Reclamation Plant #1, Fountain Valley, CA and Treatment Plant #2, Huntington Beach,
Monitoring Period: March 1- 31, 2022

This notice and necessary information demonstrates compliance with requirements of the Code of Federal Regulations Title 40 Part 503 and the Arizona Administrative Code Title 18, Chapter 9, Article 10 for land application pollutant concentrations, Class B pathogen reduction via anaerobic digestion (40CFR 503.32(b)(3)(A)(3), AAC R18-9-1006(E)(5)), and vector attraction reduction via volatile solids reduction (40CFR 503.33(b)(1), AAC R18-9-1010(A)(1)).

Sampling date(s): 03/01/22

	Mercury (mg/kg dry)	Arsenic (mg/kg dry)	Cadmium (mg/kg dry)	Chromium (mg/kg dry)	Copper (mg/kg dry)	Lead (mg/kg dry)	Molybdenum (mg/kg dry)	Nickel (mg/kg dry)	Selenium (mg/kg dry)	Zinc (mg/kg dry)	Ammonia Nitrogen (mg/kg dry)	Organic Nitrogen (mg/kg dry)	Total Nitrogen (mg/kg dry)	pH	Total Solids (%)	VSR (%)
Plant 1 Max/Min*	0.60	8.1 DNQ	1.4	40	510	6.4	14	27	7.7	810	7,700	64,000	72,000	8.1	24	55
Plant 1 Avg	0.60	8.1 DNQ	1.4	40	510	6.4	14	27	7.7	810	7,700	64,000	72,000		24	
Plant 2 Max/Min*	0.47	9.8	1.1	47	370	7.4	16	30	8.6	700	4,700	54,000	59,000	8.0	26	65
Plant 2 Avg	0.47	9.8	1.1	47	370	7.4	16	30	8.6	700	4,700	54,000	59,000		26	
Table 1 (Max/Min)*	57	75	85	3000	4300	840	75	420	100	7500	N/A	N/A	N/A	6.5	15	38
Table 3 (Avg)	17	41	39	N/A	1500	300	N/A	420	100	2800	N/A	N/A	N/A	N/A	N/A	N/A

OCSD Plant 1	System Summary	Dig. 7	Dig. 8	Dig. 9	Dig. 10	Dig. 11	Dig. 12	Dig. 13	Dig. 14	Dig. 15	Dig. 16
Minimum Mean Cell Residence Time (Min 15 days)**	24	24	24	25	25	24	24	23	24	Out of Service	Out of Service
Minimum Temperature (Min 95 °F)	99	99	99	100	100	99	99	99	100	Out of Service	Out of Service

OCSD Plant 2	System Summary	Dig. C	Dig. D	Dig. E	Dig. F	Dig. G	Dig. H	Dig. I	Dig. J	Dig. L	Dig. M	Dig. N	Dig. O	Dig. P	Dig. Q	Dig. R	Dig. S	Dig. T
Minimum Mean Cell Residence Time (Min 15 days)**	24	Out of Service	Out of Service	23	Out of Service	24	24	Out of Service	Out of Service	23	23	24	Out of Service	24	Out of Service	24	24	24
Minimum Temperature (Min 95 °F)	99	Out of Service	Out of Service	99	Out of Service	102	99	Out of Service	Out of Service	101	101	101	Out of Service	102	Out of Service	102	102	100

DNQ (Detected, Not Quantified) represents estimated values above the method detection limit (MDL), but below the reporting limit (RL).

* Maximum values are reported for metals and nitrogen parameters; minimum values are reported for pH, volatile solids reduction (VSR) and total solids. Analysis of pH is conducted to comply with AAC R18-9-1007(A)(1). The limit for total solids applies only if biosolids are sent to a California landfill, per CCR Title 27 Section 20220(c)(3).

** MCRT based on a 15-Day Rolling Average.

Biosolids Monthly Compliance Report

ORANGE COUNTY SANITATION DISTRICT

Facility Name: Orange County Sanitation District Reclamation Plant #1, Fountain Valley, CA and Treatment Plant #2, Huntington Beach,
Monitoring Period: March 1- 31, 2022

Certifications:

NPDES permit: *I certify, under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or the persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.*

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Jim Spears
Jim Spears (Jun 9, 2022 13:27 PDT)

Jim Spears — jspears@ocsan.gov
Operations Manager — (714) 593-7081

Lan Wiborg

Lan C.Wiborg — lwiborg@ocsan.gov
Environmental Services Director — (714) 593-7540

Cindy Vellucci — Deirdre Bingman — Rachel Van Exel — Reza Sobhani

ORANGE COUNTY SANITATION DISTRICT

Biosolids Monthly Compliance Report

Facility Name: Orange County Sanitation District Reclamation Plant #1, Fountain Valley, CA and Treatment Plant #2, Huntington Beach,
Monitoring Period: April 1- 30, 2022

This notice and necessary information demonstrates compliance with requirements of the Code of Federal Regulations Title 40 Part 503 and the Arizona Administrative Code Title 18, Chapter 9, Article 10 for land application pollutant concentrations, Class B pathogen reduction via anaerobic digestion (40CFR 503.32(b)(3)(A)(3), AAC R18-9-1006(E)(5)), and vector attraction reduction via volatile solids reduction (40CFR 503.33(b)(1), AAC R18-9-1010(A)(1)).

Sampling date(s): 04/05/22, 04/12/22

	Mercury (mg/kg dry)	Arsenic (mg/kg dry)	Cadmium (mg/kg dry)	Chromium (mg/kg dry)	Copper (mg/kg dry)	Lead (mg/kg dry)	Molybdenum (mg/kg dry)	Nickel (mg/kg dry)	Selenium (mg/kg dry)	Zinc (mg/kg dry)	Ammonia Nitrogen (mg/kg dry)	Organic Nitrogen (mg/kg dry)	Total Nitrogen (mg/kg dry)	pH	Total Solids (%)	VSR (%)
Plant 1 Max/Min*	0.55	8.4 DNQ	1.8	41	460	5.9	17	29	9.3	800	8,000	77,000	84,000	7.8	24	60
Plant 1 Avg	0.55	8.2 DNQ	1.5	40	460	5.5	17	29	8.7	800	7,600	71,000	78,000		24	
Plant 2 Max/Min*	0.49	12	1.4	42	360	3.6	21	28	9.1	680	4,900	58,000	62,000	7.8	26	68
Plant 2 Avg	0.45	12	1.4	41	360	2.7	21	28	9.1	670	4,500	57,000	62,000		27	
Table 1 (Max/Min)*	57	75	85	3000	4300	840	75	420	100	7500	N/A	N/A	N/A	6.5	15	38
Table 3 (Avg)	17	41	39	N/A	1500	300	N/A	420	100	2800	N/A	N/A	N/A	N/A	N/A	N/A

OCSD Plant 1	System Summary	Dig. 7	Dig. 8	Dig. 9	Dig. 10	Dig. 11	Dig. 12	Dig. 13	Dig. 14	Dig. 15	Dig. 16
Minimum Mean Cell Residence Time (Min 15 days)**	23	23	23	24	24	23	23	22	23	Out of Service	Out of Service
Minimum Temperature (Min 95 °F)	99	100	100	100	99	99	99	99	100	Out of Service	Out of Service

OCSD Plant 2	System Summary	Dig. C	Dig. D	Dig. E	Dig. F	Dig. G	Dig. H	Dig. I	Dig. J	Dig. L	Dig. M	Dig. N	Dig. O	Dig. P	Dig. Q	Dig. R	Dig. S	Dig. T
Minimum Mean Cell Residence Time (Min 15 days)**	22	Out of Service	Out of Service	22	Out of Service	22	22	Out of Service	Out of Service	22	22	23	Out of Service	22	Out of Service	22	22	22
Minimum Temperature (Min 95 °F)	99	Out of Service	Out of Service	100	Out of Service	102	99	Out of Service	Out of Service	101	100	100	Out of Service	100	Out of Service	102	101	100

DNQ (Detected, Not Quantified) represents estimated values above the method detection limit (MDL), but below the reporting limit (RL).

* Maximum values are reported for metals and nitrogen parameters; minimum values are reported for pH, volatile solids reduction (VSR) and total solids. Analysis of pH is conducted to comply with AAC R18-9-1007(A)(1). The limit for total solids applies only if biosolids are sent to a California landfill, per CCR Title 27 Section 20220(c)(3).

** MCRT based on a 15-Day Rolling Average.

ORANGE COUNTY SANITATION DISTRICT

Biosolids Monthly Compliance Report

Facility Name: Orange County Sanitation District Reclamation Plant #1, Fountain Valley, CA and Treatment Plant #2, Huntington Beach,
Monitoring Period: April 1- 30, 2022

Certifications:

NPDES permit: *I certify, under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or the persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.*

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Arizona Class B: *I certify, under penalty of law, that the pollutant analyses and the description of pathogen treatment and vector attraction reduction activities have been made under my direction and supervision and under a system designed to ensure that qualified personnel properly gather and evaluate the information used to determine whether the applicable biosolids requirements have been met. I am aware that there are significant penalties for false certification including the possibility of fine and imprisonment.*

Jim Spears
Jim Spears (Jun 28, 2022 12:39 PDT)

Jim Spears jspears@ocsan.gov
Operations Manager (714) 593-7081

Lan Wiborg

Lan C. Wiborg lwiborg@ocsan.gov
Environmental Services Director (714) 593-7540

Cindy Vellucci	Deirdre Bingman	Rachel Van Exel	Reza Sobhani
Cindy Vellucci (Jun 22, 2022 10:26 PDT)	Deirdre Bingman (Jun 22, 2022 10:26 PDT)		Reza Sobhani (Jun 22, 2022 13:26 PDT)

ORANGE COUNTY SANITATION DISTRICT

Biosolids Monthly Compliance Report

Facility Name: Orange County Sanitation District Reclamation Plant #1, Fountain Valley, CA and Treatment Plant #2, Huntington Beach,
Monitoring Period: May 1- 31, 2022

This notice and necessary information demonstrates compliance with requirements of the Code of Federal Regulations Title 40 Part 503 and the Arizona Administrative Code Title 18, Chapter 9, Article 10 for land application pollutant concentrations, Class B pathogen reduction via anaerobic digestion (40CFR 503.32(b)(3)(A)(3), AAC R18-9-1006(E)(5)), and vector attraction reduction via volatile solids reduction (40CFR 503.33(b)(1), AAC R18-9-1010(A)(1)).

Sampling date(s): 05/03/22, 05/10/22

	Mercury (mg/kg dry)	Arsenic (mg/kg dry)	Cadmium (mg/kg dry)	Chromium (mg/kg dry)	Copper (mg/kg dry)	Lead (mg/kg dry)	Molybdenum (mg/kg dry)	Nickel (mg/kg dry)	Selenium (mg/kg dry)	Zinc (mg/kg dry)	Ammonia*** Nitrogen (mg/kg dry)	Organic Nitrogen (mg/kg dry)	Total Nitrogen (mg/kg dry)	pH	Total Solids (%)	VSR (%)
Plant 1 Max/Min*	0.85	8.4 DNQ	1.1	34	440	7.7	14	28	8.1	770	10,000	91,000	100,000	7.8	25	57
Plant 1 Avg	0.67	8.3 DNQ	1.0	34	440	7.7	14	27	7.5	750	9,600	79,000	89,000		25	
Plant 2 Max/Min*	0.39	12	1.4	42	350	5.3	20	26	9.9	670	6,000	94,000	99,000	7.8	28	60
Plant 2 Avg	0.39	12	1.3	41	350	4.6	19	26	8.9	660	5,700	74,000	80,000		28	
Table 1 (Max/Min)*	57	75	85	3000	4300	840	75	420	100	7500	N/A	N/A	N/A	6.5	15	38
Table 3 (Avg)	17	41	39	N/A	1500	300	N/A	420	100	2800	N/A	N/A	N/A	N/A	N/A	N/A

OCSD Plant 1	System Summary	Dig. 7	Dig. 8	Dig. 9	Dig. 10	Dig. 11	Dig. 12	Dig. 13	Dig. 14	Dig. 15	Dig. 16
Minimum Mean Cell Residence Time (Min 15 days)**	24	24	25	25	25	24	24	23	24	Out of Service	Out of Service
Minimum Temperature (Min 95 °F)	97	100	100	100	100	99	99	97	100	Out of Service	Out of Service

OCSD Plant 2	System Summary	Dig. C	Dig. D	Dig. E	Dig. F	Dig. G	Dig. H	Dig. I	Dig. J	Dig. L	Dig. M	Dig. N	Dig. O	Dig. P	Dig. Q	Dig. R	Dig. S	Dig. T
Minimum Mean Cell Residence Time (Min 15 days)**	24	Out of Service	Out of Service	23	Out of Service	24	24	Out of Service	Out of Service	23	23	24	Out of Service	24	Out of Service	24	24	24
Minimum Temperature (Min 95 °F)	98	Out of Service	Out of Service	99	Out of Service	102	98	Out of Service	Out of Service	100	99	99	Out of Service	101	Out of Service	100	102	102

DNQ (Detected, Not Quantified) represents estimated values above the method detection limit (MDL), but below the reporting limit (RL).

* Maximum values are reported for metals and nitrogen parameters; minimum values are reported for pH, volatile solids reduction (VSR) and total solids. Analysis of pH is conducted to comply with AAC R18-9-1007(A)(1). The limit for total solids applies only if biosolids are sent to a California landfill, per CCR Title 27 Section 20220(c)(3).

** MCRT based on a 15-Day Rolling Average.

*** Ammonia was performed under a CA-certified lab and not AZ-certified lab.

ORANGE COUNTY SANITATION DISTRICT

Biosolids Monthly Compliance Report

Facility Name: Orange County Sanitation District Reclamation Plant #1, Fountain Valley, CA and Treatment Plant #2, Huntington Beach,
Monitoring Period: May 1- 31, 2022

Certifications:

NPDES permit: *I certify, under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or the persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.*

503 Class B: *I certify, under penalty of law, that the Class B pathogen requirements in 503.32(b) and the vector attraction reduction requirement in 503.33(b)(1) have been met. This determination has been made under my direction and supervision in accordance with the system designed to ensure that qualified personnel properly gather and evaluate the information used to determine that the pathogen requirements and vector attraction requirements have been met. I am aware that there are significant penalties for false certification including the possibility of fine and imprisonment.*

Arizona Class B: *I certify, under penalty of law, that the pollutant analyses and the description of pathogen treatment and vector attraction reduction activities have been made under my direction and supervision and under a system designed to ensure that qualified personnel properly gather and evaluate the information used to determine whether the applicable biosolids requirements have been met. I am aware that there are significant penalties for false certification including the possibility of fine and imprisonment.*

Jim Spears
Jim Spears (Aug 12, 2022 05:58 PDT)

Jim Spears
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Cindy Vellucci	Rachel Van Exel	Reza Sobhani	Tom Meregillano
Cindy Vellucci	Rachel Van Exel	Reza Sobhani	Tom Meregillano (Aug 11, 2022 16:03 PDT)

ORANGE COUNTY SANITATION DISTRICT

Biosolids Monthly Compliance Report

Facility Name: Orange County Sanitation District Reclamation Plant #1, Fountain Valley, CA and Treatment Plant #2, Huntington Beach,
Monitoring Period: June 1- 30, 2022

This notice and necessary information demonstrates compliance with requirements of the Code of Federal Regulations Title 40 Part 503 and the Arizona Administrative Code Title 18, Chapter 9, Article 10 for land application pollutant concentrations, Class B pathogen reduction via anaerobic digestion (40CFR 503.32(b)(3)(A)(3), AAC R18-9-1006(E)(5)), and vector attraction reduction via volatile solids reduction (40CFR 503.33(b)(1), AAC R18-9-1010(A)(1)).

Sampling date(s): 06/07/22, 06/14/22

	Mercury (mg/kg dry)	Arsenic (mg/kg dry)	Cadmium (mg/kg dry)	Chromium (mg/kg dry)	Copper (mg/kg dry)	Lead (mg/kg dry)	Molybdenum (mg/kg dry)	Nickel (mg/kg dry)	Selenium (mg/kg dry)	Zinc (mg/kg dry)	Ammonia Nitrogen (mg/kg dry)	Organic Nitrogen (mg/kg dry)	Total Nitrogen (mg/kg dry)	pH	Total Solids (%)	VSR (%)
Plant 1 Max/Min*	0.73	7.3 DNQ	1.2	36	480	6.0	16	31	7.7	810	7,300	66,000	73,000	7.3	25	66
Plant 1 Avg	0.65	7.3 DNQ	1.2	34	470	5.3	16	30	7.1	770	6,900	60,000	67,000		25	
Plant 2 Max/Min*	0.49	12	1.4	42	390	4.6	20	25	8.8	710	3,900	66,000	70,000	7.5	28	57
Plant 2 Avg	0.44	11	1.4	41	370	3.8	19	25	8.7	670	3,700	51,000	55,000		28	
Table 1 (Max/Min)*	57	75	85	3000	4300	840	75	420	100	7500	N/A	N/A	N/A	6.5	15	38
Table 3 (Avg)	17	41	39	N/A	1500	300	N/A	420	100	2800	N/A	N/A	N/A	N/A	N/A	N/A

OCSD Plant 1	System Summary	Dig. 7	Dig. 8	Dig. 9	Dig. 10	Dig. 11	Dig. 12	Dig. 13	Dig. 14	Dig. 15	Dig. 16
Minimum Mean Cell Residence Time (Min 15 days)**	23	24	24	24	24	23	23	23	23	134	Out of Service
Minimum Temperature (Min 95 °F)	99	100	100	100	99	99	99	100	100	100	Out of Service

OCSD Plant 2	System Summary	Dig. C	Dig. D	Dig. E	Dig. F	Dig. G	Dig. H	Dig. I	Dig. J	Dig. L	Dig. M	Dig. N	Dig. O	Dig. P	Dig. Q	Dig. R	Dig. S	Dig. T
Minimum Mean Cell Residence Time (Min 15 days)**	24	Out of Service	Out of Service	25	Out of Service	24	24	Out of Service	Out of Service	25	25	24	Out of Service	24	Out of Service	24	24	24
Minimum Temperature (Min 95 °F)	101	Out of Service	Out of Service	101	Out of Service	101	101	Out of Service	Out of Service	101	101	101	Out of Service	102	Out of Service	101	102	103

DNQ (Detected, Not Quantified) represents estimated values above the method detection limit (MDL), but below the reporting limit (RL).

* Maximum values are reported for metals and nitrogen parameters; minimum values are reported for pH, volatile solids reduction (VSR) and total solids. Analysis of pH is conducted to comply with AAC R18-9-1007(A)(1). The limit for total solids applies only if biosolids are sent to a California landfill, per CCR Title 27 Section 20220(c)(3).

** MCRT based on a 15-Day Rolling Average.

Biosolids Monthly Compliance Report

Facility Name: Orange County Sanitation District Reclamation Plant #1, Fountain Valley, CA and Treatment Plant #2, Huntington Beach,
Monitoring Period: June 1- 30, 2022

Certifications:

NPDES permit: *I certify, under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or the persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.*

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Arizona Class B: *I certify, under penalty of law, that the pollutant analyses and the description of pathogen treatment and vector attraction reduction activities have been made under my direction and supervision and under a system designed to ensure that qualified personnel properly gather and evaluate the information used to determine whether the applicable biosolids requirements have been met. I am aware that there are significant penalties for false certification including the possibility of fine and imprisonment.*

Jim Spears
Jim Spears (Sep 20, 2022 06:12 PDT)

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Environmental Services Director — (714) 593-7540

Cindy Vellucci	Rachel Van Exel	Peter Park	Tom Meregillano

OCSAN
ORANGE COUNTY SANITATION DISTRICT

Biosolids Monthly Compliance Report

Facility Name: Orange County Sanitation District Reclamation Plant #1, Fountain Valley, CA and Treatment Plant #2, Huntington Beach, CA

Monitoring Period: July 1- 31, 2022

This notice and necessary information demonstrates compliance with requirements of the Code of Federal Regulations Title 40 Part 503 and the Arizona Administrative Code Title 18, Chapter 9, Article 10 for land application pollutant concentrations, Class B pathogen reduction via anaerobic digestion (40CFR 503.32(b)(3)(A)(3), AAC R18-9-1006(E)(5)), and vector attraction reduction via volatile solids reduction (40CFR 503.33(b)(1), AAC R18-9-1010(A)(1)).

Sampling date(s): 07/12/22, 07/19/22

	Mercury (mg/kg dry)	Arsenic (mg/kg dry)	Cadmium (mg/kg dry)	Chromium (mg/kg dry)	Copper (mg/kg dry)	Lead (mg/kg dry)	Molybdenum (mg/kg dry)	Nickel (mg/kg dry)	Selenium (mg/kg dry)	Zinc (mg/kg dry)	Ammonia Nitrogen (mg/kg dry)	Organic Nitrogen (mg/kg dry)	Total Nitrogen (mg/kg dry)	pH	Total Solids (%)	VSR (%)
Plant 1 Max/Min*	0.68	8.4 DNQ	0.95	37	450	4.9	15	28	8.2	840	6,600	58,000	64,000	7.5	24	60
Plant 1 Avg	0.67	8.3 DNQ	0.85	35	450	4.4	15	28	7.9	790	6,100	57,000	63,000		25	
Plant 2 Max/Min*	0.71	11	0.60	42	350	1.4 DNQ	17	27	9.5	700	4,200	50,000	53,000	7.8	28	64
Plant 2 Avg	0.69	9.4 DNQ	0.56	39	310	1.0 DNQ	15	24	8.1	620	3,900	50,000	53,000		28	
Table 1 (Max/Min)*	57	75	85	3000	4300	840	75	420	100	7500	N/A	N/A	N/A	6.5	15	38
Table 3 (Avg)	17	41	39	N/A	1500	300	N/A	420	100	2800	N/A	N/A	N/A	N/A	N/A	N/A

OCSD Plant 1	System Summary	Dig. 7	Dig. 8	Dig. 9	Dig. 10	Dig. 11	Dig. 12	Dig. 13	Dig. 14	Dig. 15	Dig. 16
Minimum Mean Cell Residence Time (Min 15 days)**	24	24	24	25	25	23	23	23	23	26	Out of Service
Minimum Temperature (Min 95 °F)	98	99	99	99	99	99	99	100	100	98	Out of Service

OCSD Plant 2	System Summary	Dig. C	Dig. D	Dig. E	Dig. F	Dig. G	Dig. H	Dig. I	Dig. J	Dig. L	Dig. M	Dig. N	Dig. O	Dig. P	Dig. Q	Dig. R	Dig. S	Dig. T
Minimum Mean Cell Residence Time (Min 15 days)**	24	Out of Service	Out of Service	24	Out of Service	24	24	Out of Service	Out of Service	23	24	24	Out of Service	24	Out of Service	24	23	24
Minimum Temperature (Min 95 °F)	100	Out of Service	Out of Service	100	Out of Service	100	101	Out of Service	Out of Service	101	101	101	Out of Service	101	Out of Service	100	101	101

DNQ (Detected, Not Quantified) represents estimated values above the method detection limit (MDL), but below the reporting limit (RL).

* Maximum values are reported for metals and nitrogen parameters; minimum values are reported for pH, volatile solids reduction (VSR) and total solids. Analysis of pH is conducted to comply with AAC R18-9-1007(A)(1). The limit for total solids applies only if biosolids are sent to a California landfill, per CCR Title 27 Section 20220(c)(3).

ORANGE COUNTY SANITATION DISTRICT

Biosolids Monthly Compliance Report

Facility Name: Orange County Sanitation District Reclamation Plant #1, Fountain Valley, CA and Treatment Plant #2, Huntington Beach, CA

Monitoring Period: July 1- 31, 2022

Certifications:

NPDES permit: *I certify, under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or the persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.*

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Arizona Class B: *I certify, under penalty of law, that the pollutant analyses and the description of pathogen treatment and vector attraction reduction activities have been made under my direction and supervision and under a system designed to ensure that qualified personnel properly gather and evaluate the information used to determine whether the applicable biosolids requirements have been met. I am aware that there are significant penalties for false certification including the possibility of fine and imprisonment.*

Jim Spears

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Cindy Vellucci	Rachel Van Exel	Peter Park	Tom Meregillano
Cindy Vellucci (Nov 22, 2022 10:09 PST)		Peter Park (Dec 1, 2022 15:41 PST)	Tom Meregillano (Dec 5, 2022 09:38 PST)
Cindy Vellucci	Rachel Van Exel	Peter Park	Tom Meregillano

OCSAN
ORANGE COUNTY SANITATION DISTRICT

Biosolids Monthly Compliance Report

Facility Name: Orange County Sanitation District Reclamation Plant #1, Fountain Valley, CA and Treatment Plant #2, Huntington Beach,
Monitoring Period: August 1- 31, 2022

This notice and necessary information demonstrates compliance with requirements of the Code of Federal Regulations Title 40 Part 503 and the Arizona Administrative Code Title 18, Chapter 9, Article 10 for land application pollutant concentrations, Class B pathogen reduction via anaerobic digestion (40CFR 503.32(b)(3)(A)(3), AAC R18-9-1006(E)(5)), and vector attraction reduction via volatile solids reduction (40CFR 503.33(b)(1), AAC R18-9-1010(A)(1)).

Sampling date(s): 08/02/22, 08/09/22

	Mercury (mg/kg dry)	Arsenic (mg/kg dry)	Cadmium (mg/kg dry)	Chromium (mg/kg dry)	Copper (mg/kg dry)	Lead (mg/kg dry)	Molybdenum (mg/kg dry)	Nickel (mg/kg dry)	Selenium (mg/kg dry)	Zinc (mg/kg dry)	Ammonia Nitrogen (mg/kg dry)	Organic Nitrogen (mg/kg dry)	Total Nitrogen (mg/kg dry)	pH	Total Solids (%)	VSR (%)
Plant 1 Max/Min*	0.69	8.4 DNQ	0.81	37	490	2.8	17	31	8.1	850	6,400	54,000	60,000	7.4	25	60
Plant 1 Avg	0.66	8.1 DNQ	0.72	37	470	2.6	17	30	7.8	830	6,300	53,000	59,000		25	
Plant 2 Max/Min*	0.54	14	1.8	54	400	0.87 DNQ	22	30	9.8	800	4,000	54,000	58,000	7.4	28	61
Plant 2 Avg	0.49	11 DNQ	1.8	50	380	0.77 DNQ	20	30	9.2	770	3,800	45,000	49,000		28	
Table 1 (Max/Min)*	57	75	85	3000	4300	840	75	420	100	7500	N/A	N/A	N/A	6.5	15	38
Table 3 (Avg)	17	41	39	N/A	1500	300	N/A	420	100	2800	N/A	N/A	N/A	N/A	N/A	N/A

OCSD Plant 1	System Summary	Dig. 7	Dig. 8	Dig. 9	Dig. 10	Dig. 11	Dig. 12	Dig. 13	Dig. 14	Dig. 15	Dig. 16
Minimum Mean Cell Residence Time (Min 15 days)**	28	28	29	29	29	27	27	27	28	27	Out of Service
Minimum Temperature (Min 95 °F)	98	99	99	100	99	99	100	99	100	98	Out of Service

OCSD Plant 2	System Summary	Dig. C	Dig. D	Dig. E	Dig. F	Dig. G	Dig. H	Dig. I	Dig. J	Dig. L	Dig. M	Dig. N	Dig. O	Dig. P	Dig. Q	Dig. R	Dig. S	Dig. T
Minimum Mean Cell Residence Time (Min 15 days)**	23	Out of Service	Out of Service	24	Out of Service	25	25	Out of Service	Out of Service	24	24	25	Out of Service	25	Out of Service	25	24	25
Minimum Temperature (Min 95 °F)	100	Out of Service	Out of Service	101	Out of Service	101	101	Out of Service	Out of Service	102	102	102	Out of Service	102	Out of Service	100	101	100

DNQ (Detected, Not Quantified) represents estimated values above the method detection limit (MDL), but below the reporting limit (RL).
* Maximum values are reported for metals and nitrogen parameters; minimum values are reported for pH, volatile solids reduction (VSR) and total solids. Analysis of pH is conducted to comply with AAC R18-9-1007(A)(1). The limit for total solids applies only if biosolids are sent to a California landfill, per CCR Title 27 Section 20220(c)(3).
** MCRT based on a 15-Day Rolling Average.

Biosolids Monthly Compliance Report

Facility Name: Orange County Sanitation District Reclamation Plant #1, Fountain Valley, CA and Treatment Plant #2, Huntington Beach,
Monitoring Period: August 1- 31, 2022

Certifications:

NPDES permit: *I certify, under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or the persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.*

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Jim Spears

Jim Spears
Operations Manager
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Lan C. Wiborg
Environmental Services Director
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Cindy Vellucci	Rachel Van Exel	Peter Park	Tom Meregillano
Cindy Vellucci (Dec 5, 2022 14:57 PST)		Peter Park (Dec 6, 2022 12:09 PST)	Tom Meregillano (Dec 7, 2022 08:50 PST)

OCSAN
ORANGE COUNTY SANITATION DISTRICT

Biosolids Monthly Compliance Report

Facility Name: Orange County Sanitation District Reclamation Plant #1, Fountain Valley, CA and Treatment Plant #2, Huntington Beach,
Monitoring Period: September 1- 30, 2022

This notice and necessary information demonstrates compliance with requirements of the Code of Federal Regulations Title 40 Part 503 and the Arizona Administrative Code Title 18, Chapter 9, Article 10 for land application pollutant concentrations, Class B pathogen reduction via anaerobic digestion (40CFR 503.32(b)(3)(A)(3), AAC R18-9-1006(E)(5)), and vector attraction reduction via volatile solids reduction (40CFR 503.33(b)(1), AAC R18-9-1010(A)(1)).

Sampling date(s): 09/13/22, 09/20/22, 09/29/22

	Mercury (mg/kg dry)	Arsenic (mg/kg dry)	Cadmium (mg/kg dry)	Chromium (mg/kg dry)	Copper (mg/kg dry)	Lead (mg/kg dry)	Molybdenum (mg/kg dry)	Nickel (mg/kg dry)	Selenium (mg/kg dry)	Zinc (mg/kg dry)	Ammonia Nitrogen (mg/kg dry)	Organic Nitrogen (mg/kg dry)	Total Nitrogen (mg/kg dry)	pH	Total Solids (%)	VSR (%)
Plant 1 Max/Min*	0.89	8.4 DNQ	1.4	37	520	3.3	17	31	10	880	7,600	36,000	44,000	7.6	24	49
Plant 1 Avg	0.76	7.8 DNQ	1.4	37	500	3.0	17	31	9.7	820	7,600	33,000	41,000		24	
Plant 2 Max/Min*	0.39	9.3	1.5	54	350	3.5	17	24	9.7	720	5,800	29,000	33,000	7.6	28	63
Plant 2 Avg	0.38	8.8 DNQ	1.3	51	350	2.1 DNQ	17	24	8.9	670	5,100	26,000	31,000		28	
Table 1 (Max/Min)*	57	75	85	3000	4300	840	75	420	100	7500	N/A	N/A	N/A	6.5	15	38
Table 3 (Avg)	17	41	39	N/A	1500	300	N/A	420	100	2800	N/A	N/A	N/A	N/A	N/A	N/A

OCSD Plant 1	System Summary	Dig. 7	Dig. 8	Dig. 9	Dig. 10	Dig. 11	Dig. 12	Dig. 13	Dig. 14	Dig. 15	Dig. 16
Minimum Mean Cell Residence Time (Min 15 days) **	27	27	27	28	28	26	26	26	26	28	Out of Service
Minimum Temperature (Min 95 °F)	99	99	99	99	99	99	100	99	100	99	Out of Service

OCSD Plant 2	System Summary	Dig. C	Dig. D	Dig. E	Dig. F	Dig. G	Dig. H	Dig. I	Dig. J	Dig. L	Dig. M	Dig. N	Dig. O	Dig. P	Dig. Q	Dig. R	Dig. S	Dig. T
Minimum Mean Cell Residence Time (Min 15 days) **	27	Out of Service	Out of Service	27	Out of Service	27	27	Out of Service	Out of Service	27	27	27	Out of Service	26	Out of Service	27	27	27
Minimum Temperature (Min 95 °F)	100	Out of Service	Out of Service	102	Out of Service	101	102	Out of Service	Out of Service	103	103	103	Out of Service	101	Out of Service	102	102	100

DNQ (Detected, Not Quantified) represents estimated values above the method detection limit (MDL), but below the reporting limit (RL).
* Maximum values are reported for metals and nitrogen parameters; minimum values are reported for pH, volatile solids reduction (VSR) and total solids. Analysis of pH is conducted to comply with AAC R18-9-1007(A)(1). The limit for total solids applies only if biosolids are sent to a California landfill, per CCR Title 27 Section 20220(c)(3).
** MCRT based on a 15-Day Rolling Average.

Biosolids Monthly Compliance Report

Facility Name: Orange County Sanitation District Reclamation Plant #1, Fountain Valley, CA and Treatment Plant #2, Huntington Beach,
Monitoring Period: September 1- 30, 2022

Certifications:

NPDES permit: *I certify, under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or the persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.*

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Jim Spears

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Operations Manager (714) 593-7081

Lan C. Wiborg lwiborg@ocsan.gov
Environmental Services Director (714) 593-7540

Cindy Vellucci	Rachel Van Exel	Peter Park	Tom Meregillano
Cindy Vellucci (Dec 21, 2022 16:06 PST)		Peter Park (Dec 21, 2022 16:48 PST)	Tom Meregillano (Jan 4, 2023 14:52 PST)
Cindy Vellucci	Rachel Van Exel	Peter Park	Tom Meregillano

ORANGE COUNTY SANITATION DISTRICT

Biosolids Monthly Compliance Report

Facility Name: Orange County Sanitation District Reclamation Plant #1, Fountain Valley, CA and Treatment Plant #2, Huntington Beach,
Monitoring Period: October 1- 31, 2022

This notice and necessary information demonstrates compliance with requirements of the Code of Federal Regulations Title 40 Part 503 and the Arizona Administrative Code Title 18, Chapter 9, Article 10 for land application pollutant concentrations, Class B pathogen reduction via anaerobic digestion (40CFR 503.32(b)(3)(A)(3), AAC R18-9-1006(E)(5)), and vector attraction reduction via volatile solids reduction (40CFR 503.33(b)(1), AAC R18-9-1010(A)(1)).

Sampling date(s): 10/04/22, 10/11/22, 10/26/22

	Mercury (mg/kg dry)	Arsenic (mg/kg dry)	Cadmium (mg/kg dry)	Chromium (mg/kg dry)	Copper (mg/kg dry)	Lead (mg/kg dry)	Molybdenum (mg/kg dry)	Nickel (mg/kg dry)	Selenium (mg/kg dry)	Zinc (mg/kg dry)	Ammonia Nitrogen (mg/kg dry)	Organic Nitrogen (mg/kg dry)	Total Nitrogen (mg/kg dry)	pH	Total Solids (%)	VSR (%)
Plant 1 Max/Min*	0.85	12	1.6	39	500	4.6	18	36	8.3	810	7,700	22,000	28,000	7.7	24	61
Plant 1 Avg	0.74	10 DNQ	1.4	38	500	3.3	18	33	7.4	800	7,000	21,000	28,000		24	
Plant 2 Max/Min*	0.43	16	1.2	55	400	2.2	20	25	8.9	730	4,700	49,000	54,000	7.7	26	71
Plant 2 Avg	0.40	14	1.2	51	380	1.4 DNQ	18	24	8.6	700	4,400	46,000	51,000		27	
Table 1 (Max/Min)	57	75	85	3000	4300	840	75	420	100	7500	N/A	N/A	N/A	6.5	15	38
Table 3 (Avg)	17	41	39	N/A	1500	300	N/A	420	100	2800	N/A	N/A	N/A	N/A	N/A	N/A

OCSD Plant 1	System Summary	Dig. 7	Dig. 8	Dig. 9	Dig. 10	Dig. 11	Dig. 12	Dig. 13	Dig. 14	Dig. 15	Dig. 16
Minimum Mean Cell Residence Time (Min 15 days)**	27	27	27	27	27	26	26	26	26	28	Out of Service
Minimum Temperature (Min 95 °F)	98	99	98	99	98	99	100	99	100	99	Out of Service

OCSD Plant 2	System Summary	Dig. C	Dig. D	Dig. E	Dig. F	Dig. G	Dig. H	Dig. I	Dig. J	Dig. L	Dig. M	Dig. N	Dig. O	Dig. P	Dig. Q	Dig. R	Dig. S	Dig. T
Minimum Mean Cell Residence Time (Min 15 days)**	31	Out of Service	Out of Service	29	Out of Service	29	29	Out of Service	Out of Service	29	29	29	Out of Service	29	Out of Service	28	29	29
Minimum Temperature (Min 95 °F)	100	Out of Service	Out of Service	101	Out of Service	101	101	Out of Service	Out of Service	101	101	102	Out of Service	100	Out of Service	102	100	100

DNQ (Detected, Not Quantified) represents estimated values above the method detection limit (MDL), but below the reporting limit (RL).

* Maximum values are reported for metals and nitrogen parameters; minimum values are reported for pH, volatile solids reduction (VSR) and total solids. Analysis of pH is conducted to comply with AAC R18-9-1007(A)(1). The limit for total solids applies only if biosolids are sent to a California landfill, per CCR Title 27 Section 20220(c)(3).

** MCRT based on a 15-Day Rolling Average.

ORANGE COUNTY SANITATION DISTRICT

Facility Name: Orange County Sanitation District Reclamation Plant #1, Fountain Valley, CA and Treatment Plant #2, Huntington Beach,
Monitoring Period: October 1- 31, 2022

Certifications:

NPDES permit: *I certify, under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or the persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.*

503 Class B: *I certify, under penalty of law, that the Class B pathogen requirements in 503.32(b) and the vector attraction reduction requirement in 503.33(b)(1) have been met. This determination has been made under my direction and supervision in accordance with the system designed to ensure that qualified personnel properly gather and evaluate the information used to determine that the pathogen requirements and vector attraction requirements have been met. I am aware that there are significant penalties for false certification including the possibility of fine and imprisonment.*

Arizona Class B: *I certify, under penalty of law, that the pollutant analyses and the description of pathogen treatment and vector attraction reduction activities have been made under my direction and supervision and under a system designed to ensure that qualified personnel properly gather and evaluate the information used to determine whether the applicable biosolids requirements have been met. I am aware that there are significant penalties for false certification including the possibility of fine and imprisonment.*

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Cindy Vellucci Cindy Vellucci (Jan 19, 2023 14:14 PST)	Rachel V. Exel	Peter Park Peter Park (Jan 19, 2023 16:00 PST)	Tom Meregillano Tom Meregillano (Jan 19, 2023 16:14 PST)
Cindy Vellucci	Rachel Van Exel	Peter Park	Tom Meregillano

Biosolids Monthly Compliance Report

ORANGE COUNTY SANITATION DISTRICT

Facility Name: Orange County Sanitation District Reclamation Plant #1, Fountain Valley, CA and Treatment Plant #2, Huntington Beach,
Monitoring Period: November 1- 30, 2022

This notice and necessary information demonstrates compliance with requirements of the Code of Federal Regulations Title 40 Part 503 and the Arizona Administrative Code Title 18, Chapter 9, Article 10 for land application pollutant concentrations, Class B pathogen reduction via anaerobic digestion (40CFR 503.32(b)(3)(A)(3), AAC R18-9-1006(E)(5)), and vector attraction reduction via volatile solids reduction (40CFR 503.33(b)(1), AAC R18-9-1010(A)(1)).

Sampling date(s): 11/01/22, 11/09/22

	Mercury (mg/kg dry)	Arsenic (mg/kg dry)	Cadmium (mg/kg dry)	Chromium (mg/kg dry)	Copper (mg/kg dry)	Lead (mg/kg dry)	Molybdenum (mg/kg dry)	Nickel (mg/kg dry)	Selenium (mg/kg dry)	Zinc (mg/kg dry)	Ammonia Nitrogen (mg/kg dry)	Organic Nitrogen (mg/kg dry)	Total Nitrogen (mg/kg dry)	pH	Total Solids (%)	VSR (%)
Plant 1 Max/Min*	0.90	9.8	1.5	38	510	3.9	16	31	9.0	780	6,300	53,000	59,000	8.4	26	43
Plant 1 Avg	0.72	9.2 DNQ	1.5	37	490	2.7 DNQ	16	30	8.8	770	6,300	49,000	55,000		26	
Plant 2 Max/Min*	0.82	10	1.3	49	370	4.9	16	24	9.0	670	4,900	60,000	65,000	8.2	23	51
Plant 2 Avg	0.67	9.8 DNQ	1.3	44	350	2.8 DNQ	15	23	8.8	640	4,800	54,000	59,000		25	
Table 1 (Max/Min)	57	75	85	3000	4300	840	75	420	100	7500	N/A	N/A	N/A	6.5	15	38
Table 3 (Avg)	17	41	39	N/A	1500	300	N/A	420	100	2800	N/A	N/A	N/A	N/A	N/A	N/A

OCSD Plant 1	System Summary	Dig. 7	Dig. 8	Dig. 9	Dig. 10	Dig. 11	Dig. 12	Dig. 13	Dig. 14	Dig. 15	Dig. 16
Minimum Mean Cell Residence Time (Min 15 days)**	25	25	25	26	26	25	Out of Service	24	24	26	Out of Service
Minimum Temperature (Min 95 °F)	97	99	99	99	99	99	Out of Service	99	100	97	Out of Service

OCSD Plant 2	System Summary	Dig. C	Dig. D	Dig. E	Dig. F	Dig. G	Dig. H	Dig. I	Dig. J	Dig. L	Dig. M	Dig. N	Dig. O	Dig. P	Dig. Q	Dig. R	Dig. S	Dig. T
Minimum Mean Cell Residence Time (Min 15 days)**	27	Out of Service	Out of Service	27	Out of Service	27	27	Out of Service	Out of Service	27	27	27	Out of Service	27	Out of Service	27	27	27
Minimum Temperature (Min 95 °F)	97	Out of Service	Out of Service	98	Out of Service	100	97	Out of Service	Out of Service	99	99	99	Out of Service	99	Out of Service	99	101	100

DNQ (Detected, Not Quantified) represents estimated values above the method detection limit (MDL), but below the reporting limit (RL).

* Maximum values are reported for metals and nitrogen parameters; minimum values are reported for pH, volatile solids reduction (VSR) and total solids. Analysis of pH is conducted to comply with AAC R18-9-1007(A)(1). The limit for total solids applies only if biosolids are sent to a California landfill, per CCR Title 27 Section 20220(c)(3).

** MCRT based on a 15-Day Rolling Average.

ORANGE COUNTY SANITATION DISTRICT

Biosolids Monthly Compliance Report

Facility Name: Orange County Sanitation District Reclamation Plant #1, Fountain Valley, CA and Treatment Plant #2, Huntington Beach,
Monitoring Period: November 1- 30, 2022

Certifications:

NPDES permit: *I certify, under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or the persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.*

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Cindy Vellucci (Jan 20, 2023 13:18 PST)		Peter Park (Jan 23, 2023 14:55 PST)	Tom Meregillano (Jan 24, 2023 07:44 PST)
Cindy Vellucci	Rachel Van Exel	Peter Park	Tom Meregillano

OCSAN
ORANGE COUNTY SANITATION DISTRICT

Biosolids Monthly Compliance Report

Facility Name: Orange County Sanitation District Reclamation Plant #1, Fountain Valley, CA and Treatment Plant #2, Huntington Beach,
Monitoring Period: December 1- 31, 2022

This notice and necessary information demonstrates compliance with requirements of the Code of Federal Regulations Title 40 Part 503 and the Arizona Administrative Code Title 18, Chapter 9, Article 10 for land application pollutant concentrations, Class B pathogen reduction via anaerobic digestion (40CFR 503.32(b)(3)(A)(3), AAC R18-9-1006(E)(5)), and vector attraction reduction via volatile solids reduction (40CFR 503.33(b)(1), AAC R18-9-1010(A)(1)).

Sampling date(s): 12/06/22, 12/13/22

	Mercury (mg/kg dry)	Arsenic (mg/kg dry)	Cadmium (mg/kg dry)	Chromium (mg/kg dry)	Copper (mg/kg dry)	Lead (mg/kg dry)	Molybdenum (mg/kg dry)	Nickel (mg/kg dry)	Selenium (mg/kg dry)	Zinc (mg/kg dry)	Ammonia Nitrogen (mg/kg dry)	Organic Nitrogen (mg/kg dry)	Total Nitrogen (mg/kg dry)	pH	Total Solids (%)	VSR (%)
Plant 1 Max/Min*	0.60	9.7 DNQ	1.3	38	520	5.2	16	27	9.2	770	9,700	67,000	77,000	7.0	25	60
Plant 1 Avg	0.58	9.1 DNQ	1.3	38	500	3.7	15	27	8.3	770	8,100	61,000	69,000		25	
Plant 2 Max/Min*	0.67	13	1.2	48	370	2.6	18	24	9.3	700	14,000	44,000	49,000	6.9	27	66
Plant 2 Avg	0.58	13	1.1	47	360	1.6 DNQ	16	23	9.1	690	9,700	39,000	49,000		28	
Table 1 (Max/Min)	57	75	85	3000	4300	840	75	420	100	7500	N/A	N/A	N/A	6.5	15	38
Table 3 (Avg)	17	41	39	N/A	1500	300	N/A	420	100	2800	N/A	N/A	N/A	N/A	N/A	N/A

OCSD Plant 1	System Summary	Dig. 7	Dig. 8	Dig. 9	Dig. 10	Dig. 11	Dig. 12	Dig. 13	Dig. 14	Dig. 15	Dig. 16
Minimum Mean Cell Residence Time (Min 15 days)**	24	24	24	25	25	23	Out of Service	23	23	25	Out of Service
Minimum Temperature (Min 95 °F)	98	99	99	99	98	99	Out of Service	99	100	99	Out of Service

OCSD Plant 2	System Summary	Dig. C	Dig. D	Dig. E	Dig. F	Dig. G	Dig. H	Dig. I	Dig. J	Dig. L	Dig. M	Dig. N	Dig. O	Dig. P	Dig. Q	Dig. R	Dig. S	Dig. T
Minimum Mean Cell Residence Time (Min 15 days)**	25	Out of Service	Out of Service	23	Out of Service	23	23	Out of Service	Out of Service	23	23	24	Out of Service	26	Out of Service	25	24	23
Minimum Temperature (Min 95 °F)	97	Out of Service	Out of Service	98	Out of Service	99	97	Out of Service	Out of Service	99	98	98	Out of Service	99	Out of Service	98	100	99

DNQ (Detected, Not Quantified) represents estimated values above the method detection limit (MDL), but below the reporting limit (RL).
* Maximum values are reported for metals and nitrogen parameters; minimum values are reported for pH, volatile solids reduction (VSR) and total solids. Analysis of pH is conducted to comply with AAC R18-9-1007(A)(1). The limit for total solids applies only if biosolids are sent to a California landfill, per CCR Title 27 Section 20220(c)(3).
** MCRT based on a 15-Day Rolling Average.

Biosolids Monthly Compliance Report

Facility Name: Orange County Sanitation District Reclamation Plant #1, Fountain Valley, CA and Treatment Plant #2, Huntington Beach,
Monitoring Period: December 1- 31, 2022

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Cindy Vellucci (Jan 26, 2023 12:24 PST)		Peter Park (Jan 26, 2023 16:00 PST)	

APPENDIX B - Pretreatment Program Annual Report

Chapter 8 Solids Management Program

8.1 Introduction

This section provides an overview of OC San's Biosolids Program, focusing on biosolids quality with respect to metals. Biosolids are nutrient-rich, treated organic matter recovered through the treatment of wastewater. These solids are considered a resource because of their nutrient and energy values, and they are recyclable in part because of their low metal content. The pretreatment program is a key element in ensuring the recyclability of OC San's biosolids by minimizing the discharge of heavy metals and other undesirable constituents into the collection system and ultimately the treated solids, which are used to fertilize farms.

OC San's annual biosolids compliance report was completed, submitted to regulators, and posted online in February 2022. Visit www.ocsan.gov/503 to access the most recent document that contains Biosolids Program information, regulations, quantities, policies, guiding principles, and how and where biosolids are recycled.

8.2 Biosolids Quality

Biosolids quality plays an important role in ensuring the continued recyclability of OC San's biosolids. OC San's pretreatment program has been extremely effective in reducing and maintaining levels of pollutants (e.g., OC San's influent sewage meets drinking water standards for the biosolids monitoring metals). The ceiling concentrations and EQ concentrations promulgated by the US EPA's biosolids regulations (40 CFR 503) are presented in Figure 8-1 through Figure 8-10 as a reference. For FY 2021/22, OC San biosolids met EQ limits for all the regulated parameters as shown in Table 8.1.

Table 8.1 Trends in Trace Metal Content of Biosolids, Fiscal Years 2012/13-2021/22, in Milligrams per Dry Kilogram
Orange County Sanitation District, Resource Protection Division

			Plant 1			Plant 2		
Metal	FY	EQ Limit	Min	Max	Avg	Min	Max	Avg
Arsenic	2012-13	41	0	7.8	4.7	2.0	10	7.0
	2013-14*		3.5	9.5	5.8	5.4	11	8.4
	2014-15		4.5	11	7.2	7.8	12	9.3
	2015-16*		6.3	12	8.3	6.2	12	9.2
	2016-17*		6.7	12	8.1	5.6	12	8.6
	2017-18*		7.2	16	9.9	7.9	16	11
	2018-19*		7.3	24	16	9.4	24	18
	2019-20*		1.3	8.8	5.4	1.3	12	5.5
	2020-21*		1.3	14	8.9	1.2	19	12
	2021-22		7.3	10.5	8.6	9.8	13.5	11
Cadmium	2012-13	39	2.6	7.8	4.7	1.9	4.4	3.1
	2013-14*		1.6	11	3.9	2.1	6.0	3.5
	2014-15		2.7	7.8	5.1	3.1	5.8	4.0
	2015-16*		1.3	4.7	2.5	2.0	4.5	3.0
	2016-17		2.6	3.1	2.3	2.0	3.8	3.0
	2017-18*		1.7	4.4	3.0	2.5	7.7	5.1
	2018-19*		1.2	3.0	1.6	2.7	8.4	4.2
	2019-20*		1.3	2.7	1.9	2.2	8.4	3.3
	2020-21*		0.9	1.6	1.3	1.6	2.5	2.0
	2021-22		0.6	1.5	1.1	1.1	1.4	1.3
Chromium	2012-13	**	42	56	49	42	59	49
	2013-14		39	52	45	40	53	46
	2014-15		30	51	40	34	70	46
	2015-16		31	89	46	28	60	46
	2016-17		30	89	49	29	67	46

Table 8.1 **Trends in Trace Metal Content of Biosolids, Fiscal Years 2012/13-2021/22, in Milligrams per Dry Kilogram**
Orange County Sanitation District, Resource Protection Division

			Plant 1			Plant 2		
Metal	FY	EQ Limit	Min	Max	Avg	Min	Max	Avg
	2017-18		27	38	34	38	54	44
	2018-19		29	58	39	32	53	45
	2019-20		37	51	45	35	49	42
	2020-21		43	54	48	42	65	51
	2021-22		34	49	41	41	52	45
Copper	2012-13	1,500	480	640	540	500	640	540
	2013-14		460	540	510	470	540	500
	2014-15		320	570	470	320	560	470
	2015-16		380	560	460	340	570	480
	2016-17		400	560	460	340	570	490
	2017-18		320	500	420	380	590	460
	2018-19		355	600	470	335	665	510
	2019-20		440	600	530	410	590	490
	2020-21		470	660	530	420	520	460
	2021-22		425	550	490	320	440	370
Lead	2012-13	300	7.5	19	15	7.5	17	14
	2013-14*		13	18	14	13	17	14
	2014-15*		8.7	15	13	9.0	17	13
	2015-16*		8.3	20	12	8.0	17	13
	2016-17*		7.9	20	11	7.5	17	12
	2017-18*		8.9	19	12	10	16	13
	2018-19		9.9	15	12	10	15	13
	2019-20		9.8	14	12	14	24	17
	2020-21		2.2	15	6.8	2.7	18	7.5
	2021-22		4.9	8.1	6.2	2.7	7.4	4.6
Mercury	2012-13	17	0.7	4.1	1.5	0.8	3.8	1.4
	2013-14		0.8	1.2	1.0	0.7	2.8	1.4
	2014-15		1.0	1.5	1.1	1.0	1.5	1.0
	2015-16		0.6	1.7	0.9	0.6	1.2	1.0
	2016-17		0.5	1.7	0.9	0.7	1.2	0.9
	2017-18		0.7	1.1	0.9	0.3	1.1	0.8
	2018-19		0.6	1.1	0.9	0.6	1.0	0.8
	2019-20		0.5	1.2	0.8	0.5	0.8	0.6
	2020-21		0.5	1.0	0.7	0.4	0.9	0.6
	2021-22		0.5	0.8	0.6	0.4	1	0.5
Molybdenum	2012-13	**	9.8	20	14	12	20	15
	2013-14		12	18	15	14	18	15
	2014-15		9.4	18	15	12	20	16
	2015-16*		11	18	15	11	23	16
	2016-17		12	18	15	11	23	16
	2017-18*		10	16	14	13	18	15
	2018-19		13	20	16	15	22	18
	2019-20		14	22	18	14	24	18
	2020-21		15	21	18	17	23	20
	2021-22		13	20	16	14	21	18
Nickel	2012-13	420	34	48	40	23	41	30
	2013-14		36	55	43	28	56	37
	2014-15		26	47	37	26	41	34

Table 8.1 **Trends in Trace Metal Content of Biosolids, Fiscal Years 2012/13-2021/22, in Milligrams per Dry Kilogram**
Orange County Sanitation District, Resource Protection Division

Metal	FY	EQ Limit	Plant 1			Plant 2		
			Min	Max	Avg	Min	Max	Avg
	2015-16*		29	45	38	20	41	33
	2016-17		25	45	36	21	41	32
	2017-18		28	37	32	31	39	34
	2018-19		23	44	33	29	44	37
	2019-20		27	41	35	26	46	35
	2020-21		28	46	36	26	33	29
	2021-22		23	33	28	25	30	26
Selenium	2012-13	100	0	20	9.0	0	20	8.0
	2013-14*		3.5	13	7.9	4.2	13	8.3
	2014-15*		4.1	13	7.1	4.5	15	7.3
	2015-16*		4.4	11	8.1	3.7	10	7.6
	2016-17*		4.1	10	8.4	4.8	10	8.0
	2017-18*		3.0	7.8	4.9	2.7	8.0	4.9
	2018-19*		2.5	48	6.6	2.3	2.9	2.7
	2019-20*		0.9	12	3.7	0.9	12	3.5
	2020-21*		1.0	12	6.5	0.9	10	6.3
	2021-22		6.7	9.3	8.0	7.5	11	9.2
Silver	2012-13	**	6.2	14	8.6	6.4	13	8.6
	2013-14*		2.9	7.6	5.3	3.6	9.1	6.3
	2014-15*		3.3	7.8	5.8	3.4	8.6	6.5
	2015-16*		2.4	7.7	5.6	2.5	7.9	5.6
	2016-17*		2.7	5.6	4.4	2.5	6.8	4.9
	2017-18*		3.2	5.1	3.9	3.7	5.0	4.2
	2018-19*		2.9	5.1	4.0	3.5	5.8	4.3
	2019-20*		3.0	5.0	4.0	2.7	5.8	4.0
	2020-21*		2.6	3.8	3.3	2.5	3.2	2.7
	2021-22		2.1	3.6	2.6	1.4	2.5	1.9
Zinc	2012-13	2,800	640	860	720	680	880	770
	2013-14		590	730	670	620	750	700
	2014-15		420	720	620	470	740	670
	2015-16		500	770	620	520	890	730
	2016-17		550	770	610	520	890	740
	2017-18		470	680	600	590	910	720
	2018-19		520	810	600	500	790	720
	2019-20		640	810	760	590	890	720
	2020-21		710	875	800	680	780	740
	2021-22		675	835	790	655	745	690

ND Non-detect

* Calculations included data below the reporting limit, but above the method detection limit, and were therefore flagged as “detected not quantified” or the method detection limit was substituted for non-detect values.

** US EPA’s extensive health risk analysis determined that no limits were needed for these metals (EPA 40 CFR 503).

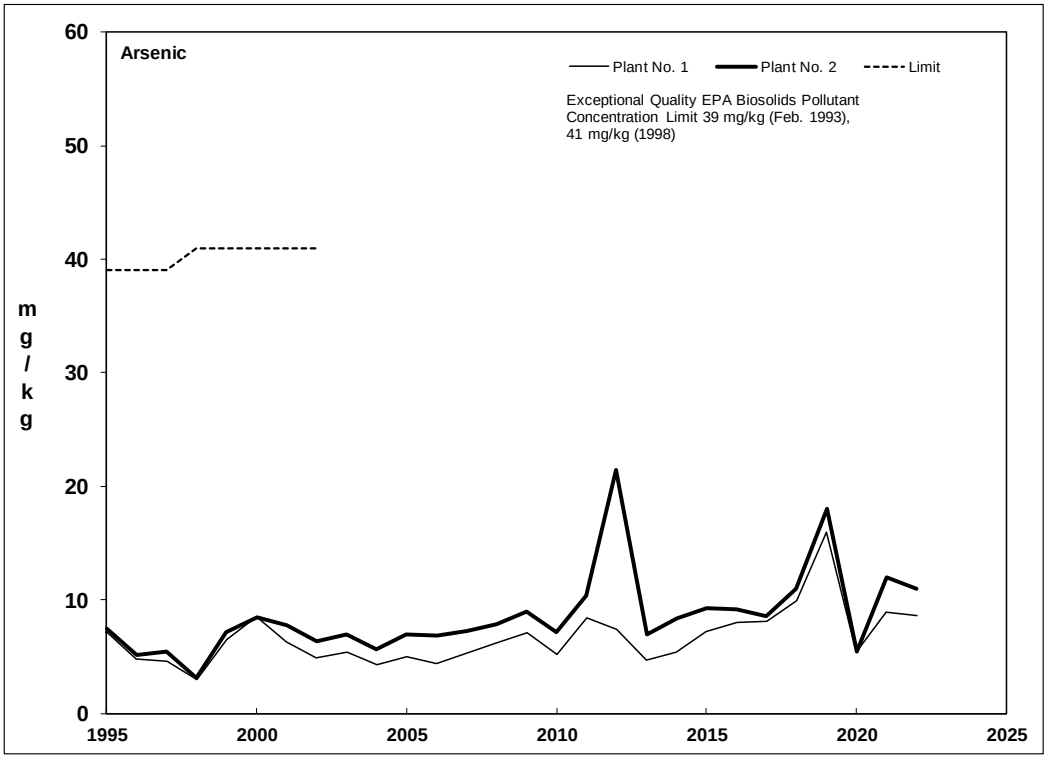

Figure 8-1 Trends in Concentrations of Arsenic in Biosolids, Fiscal Years 1994/95-2021/22
Orange County Sanitation District, Resource Protection Division

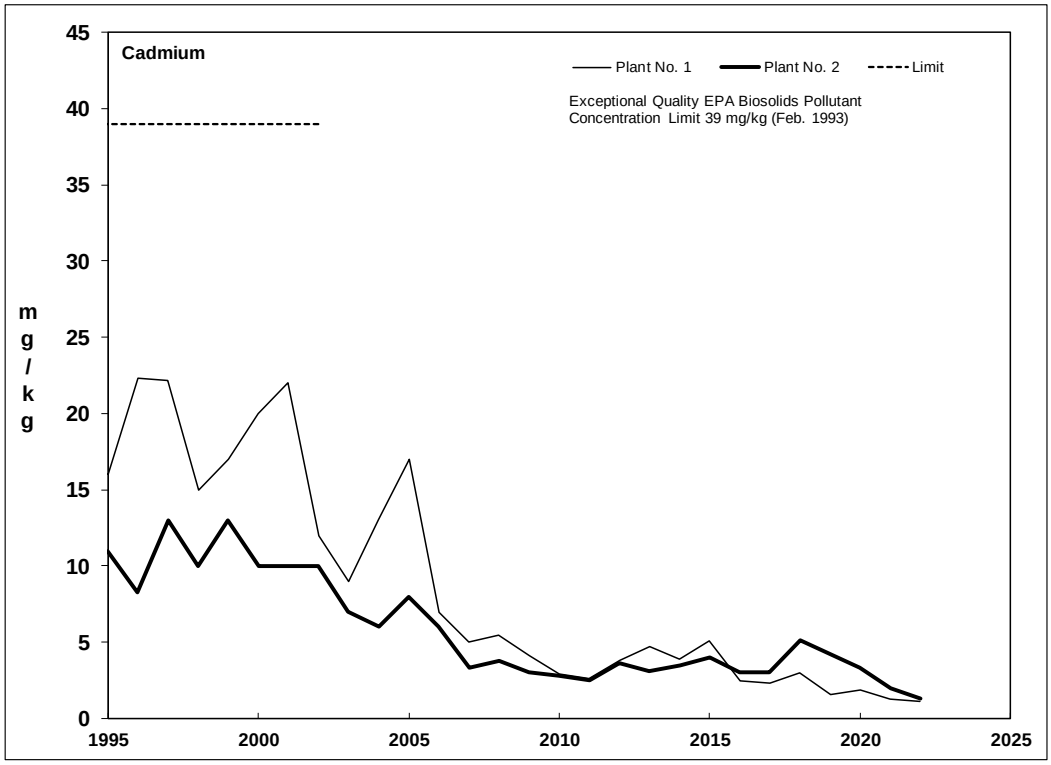

Figure 8-2 Trends in Concentrations of Cadmium in Biosolids, Fiscal Years 1994/95-2021/22
Orange County Sanitation District, Resource Protection Division

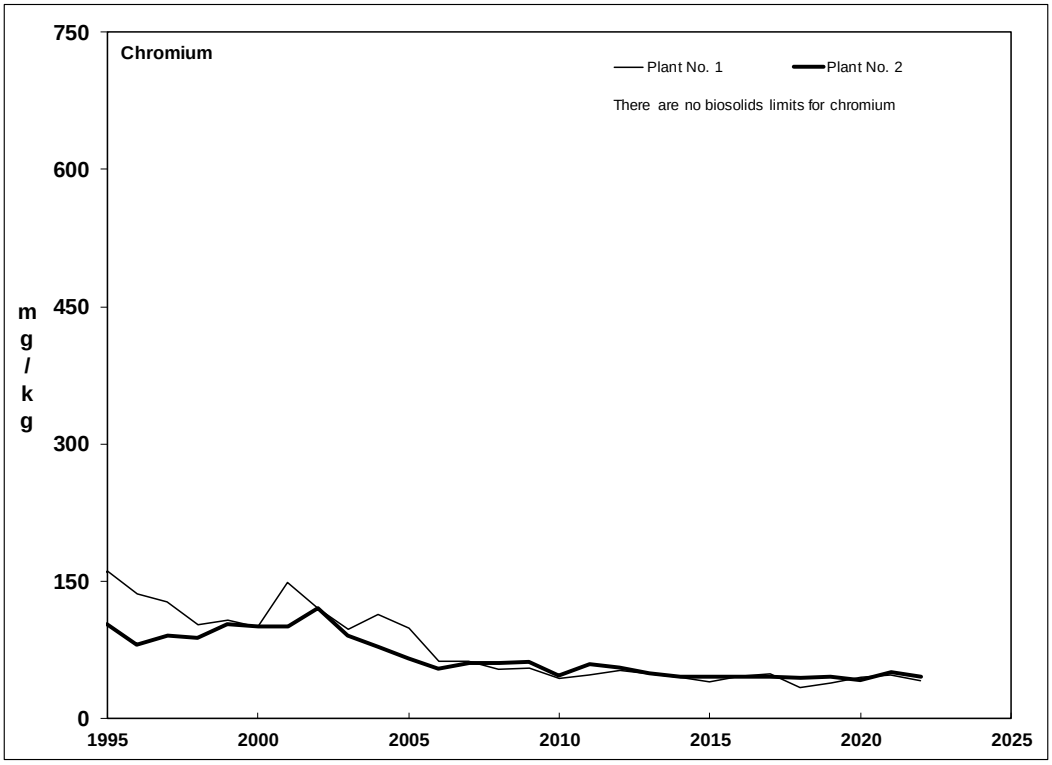

Figure 8-3 Trends in Concentrations of Chromium in Biosolids, Fiscal Years 1994/95-2021/22
Orange County Sanitation District, Resource Protection Division

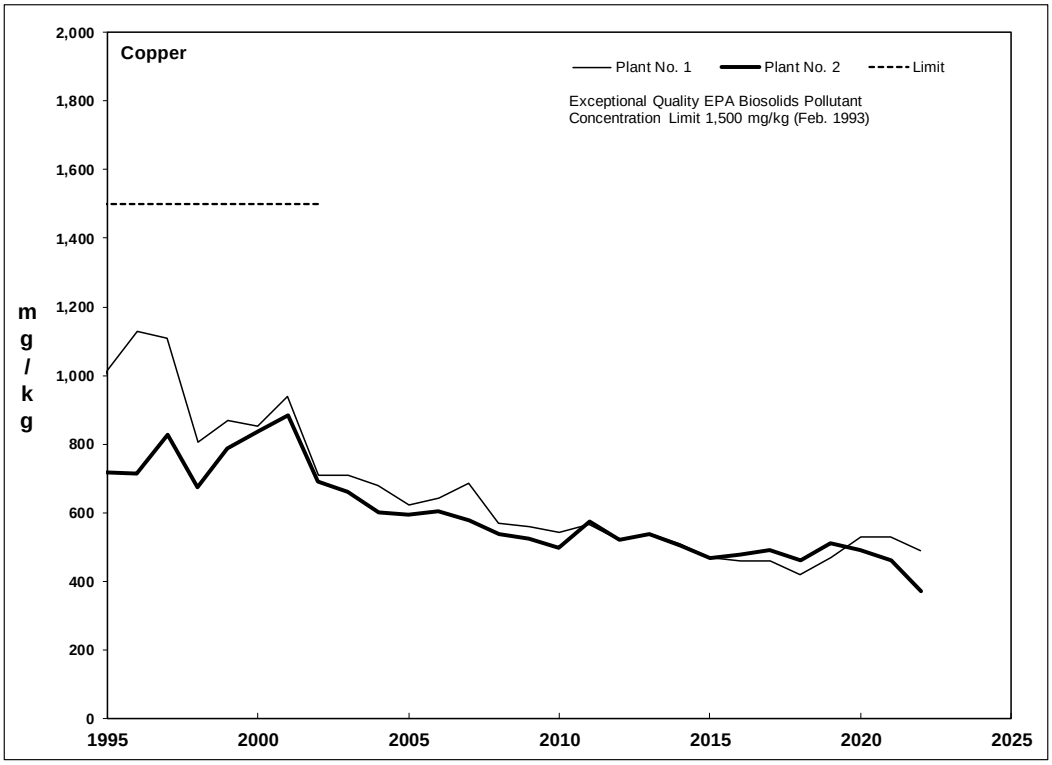

Figure 8-4 Trends in Concentrations of Copper in Biosolids, Fiscal Years 1994/95-2021/22
Orange County Sanitation District, Resource Protection Division

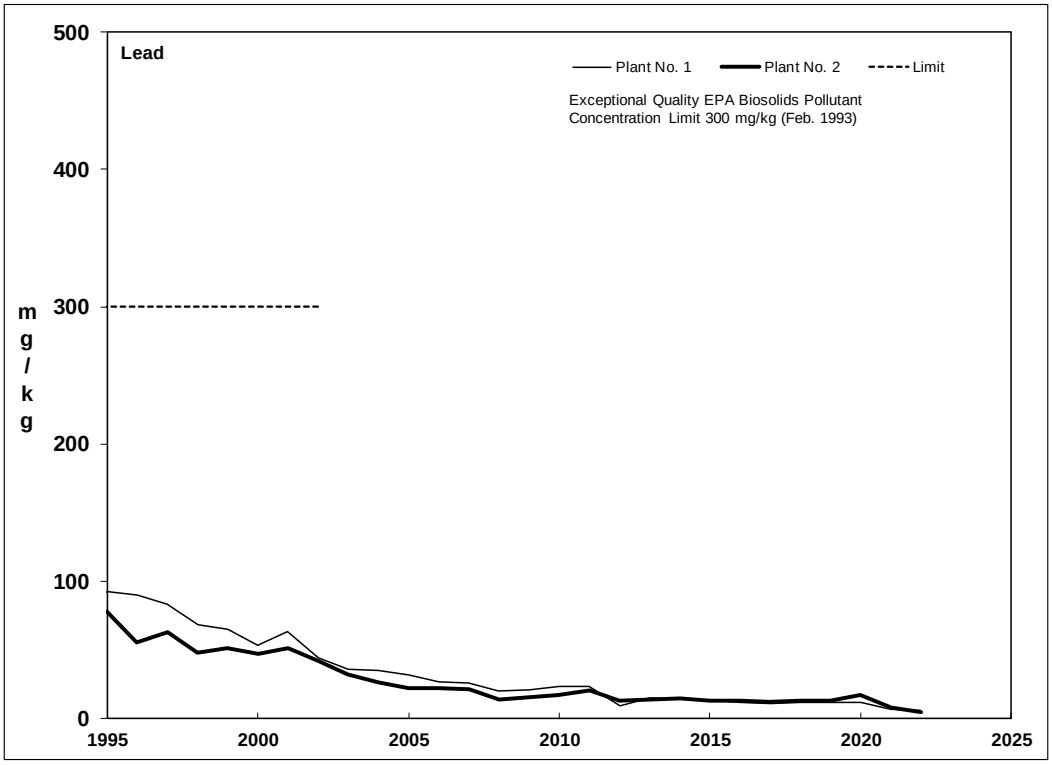

Figure 8-5 Trends in Concentrations of Lead in Biosolids, Fiscal Years 1994/95-2021/22
Orange County Sanitation District, Resource Protection Division

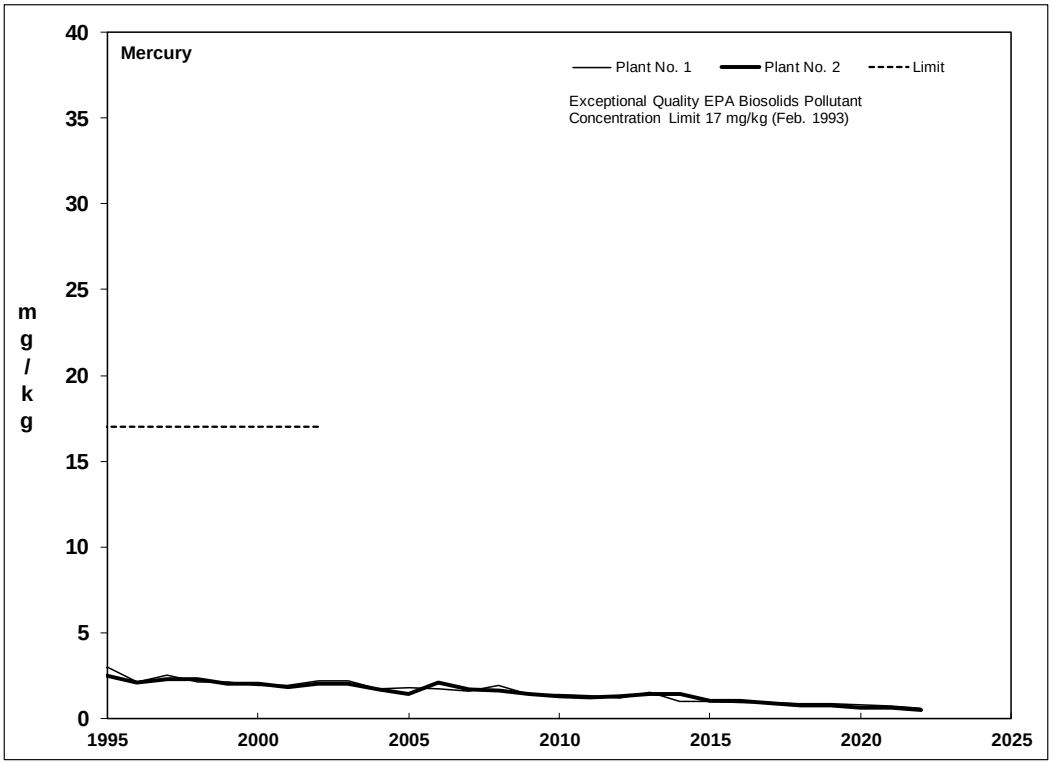

Figure 8-6 Trends in Concentrations of Mercury in Biosolids, Fiscal Years 1994/95-2021/22
Orange County Sanitation District, Resource Protection Division

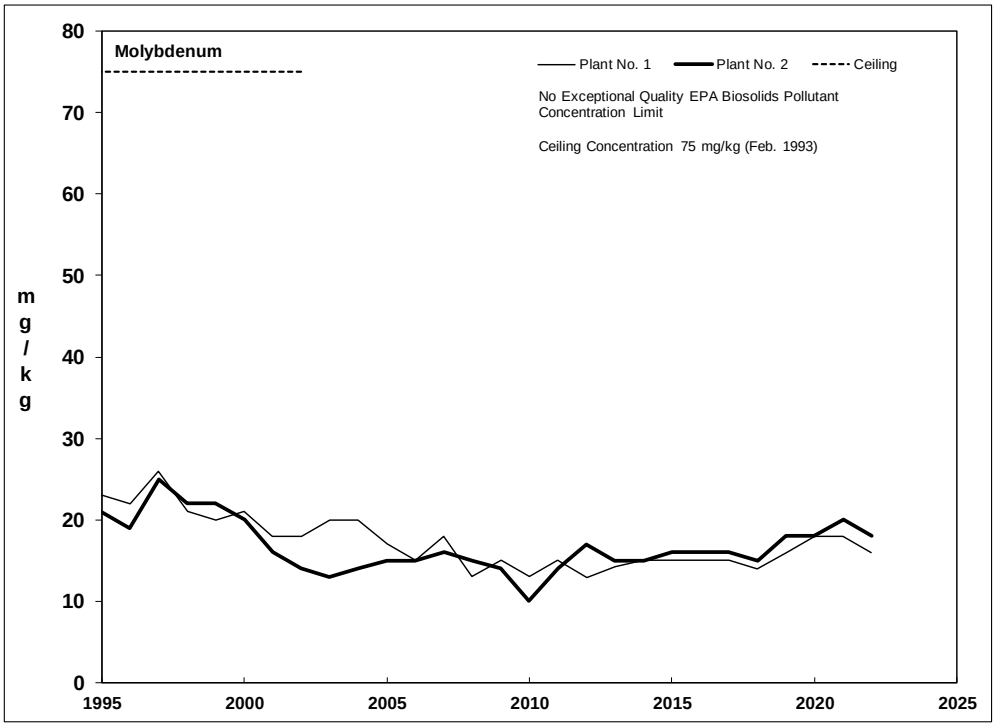

Figure 8-7 Trends in Concentrations of Molybdenum in Biosolids, Fiscal Years 1994/95-2021/22
Orange County Sanitation District, Resource Protection Division

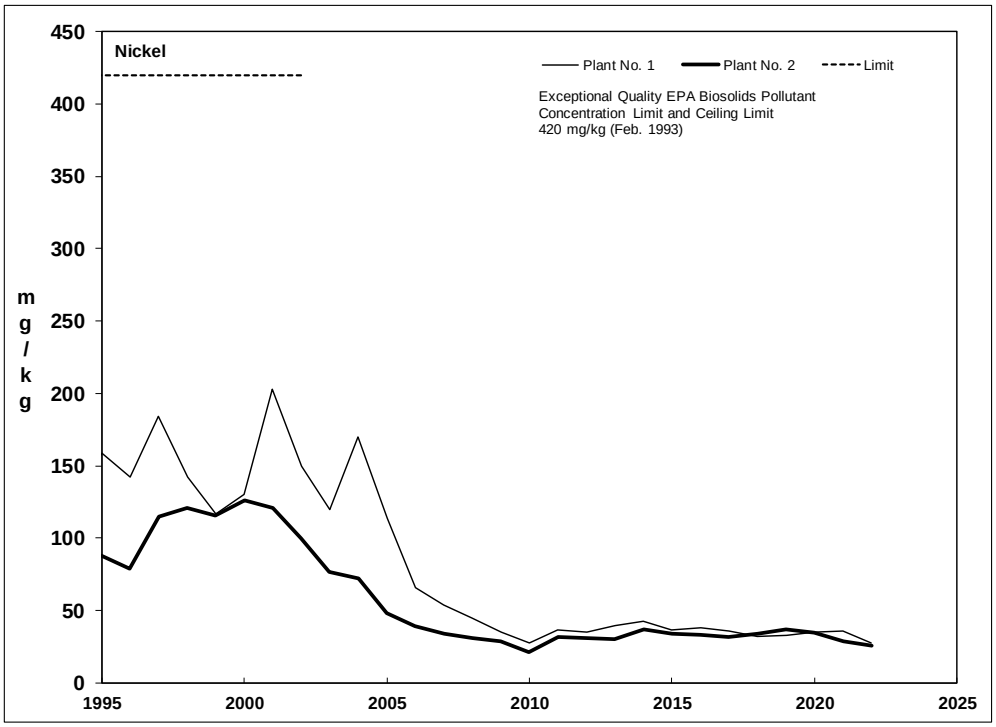

Figure 8-8 Trends in Concentrations of Nickel in Biosolids, Fiscal Years 1994/95-2021/22
Orange County Sanitation District, Resource Protection Division

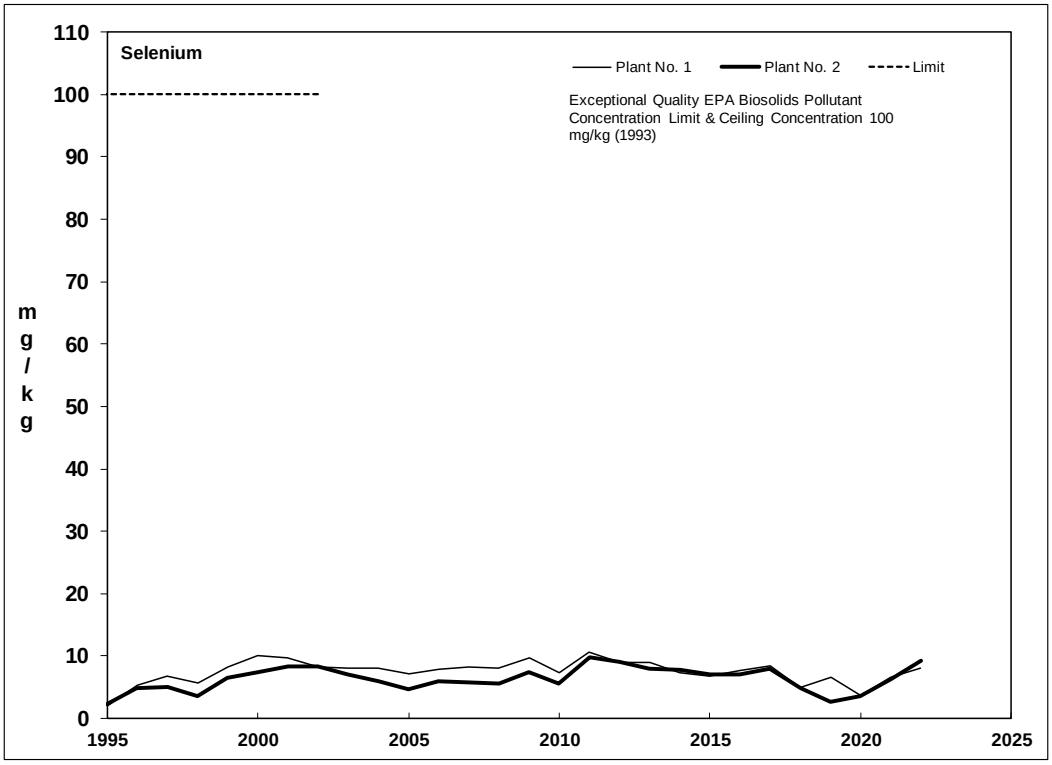

Figure 8-9 Trends in Concentrations of Selenium in Biosolids, Fiscal Years 1994/95-2021/22
Orange County Sanitation District, Resource Protection Division

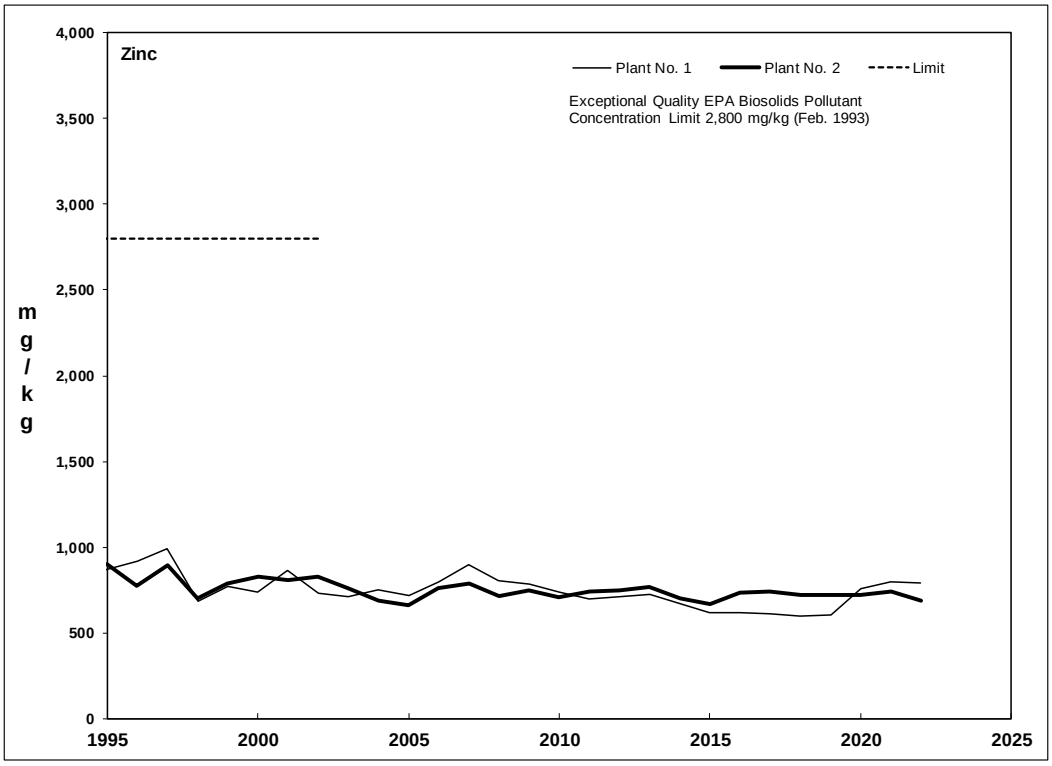

Figure 8-10 Trends in Concentrations of Zinc in Biosolids, Fiscal Years 1994/95-2021/22
Orange County Sanitation District, Resource Protection Division

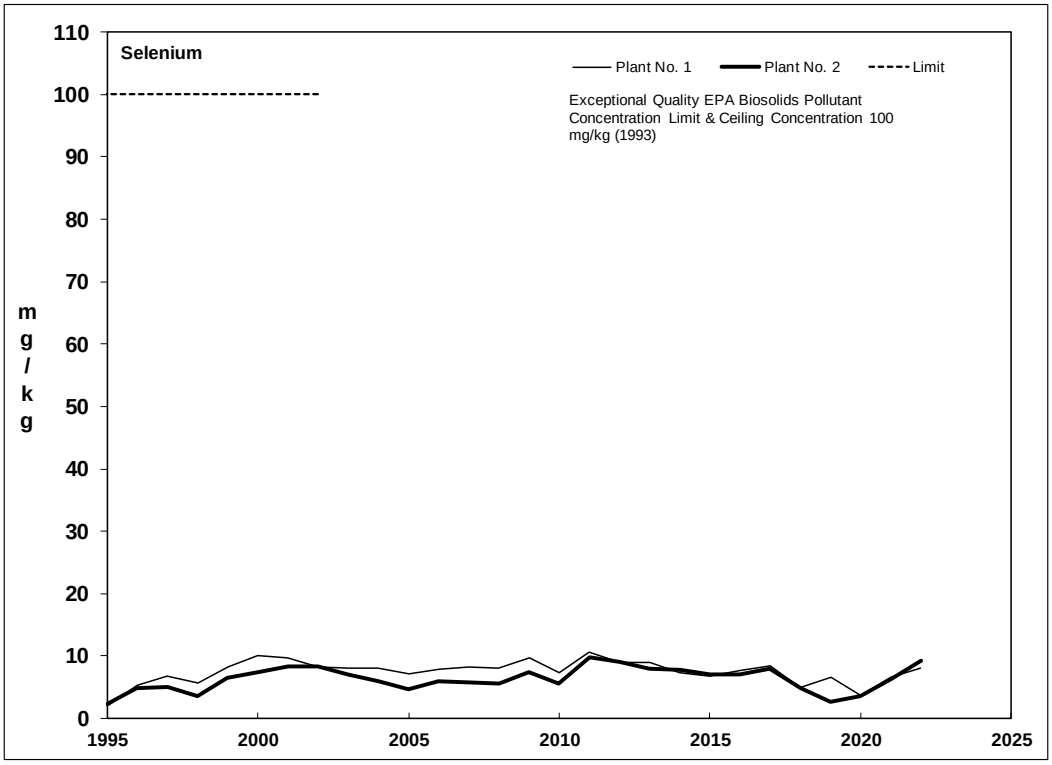

Figure 8-9 Trends in Concentrations of Selenium in Biosolids, Fiscal Years 1994/95-2021/22
Orange County Sanitation District, Resource Protection Division

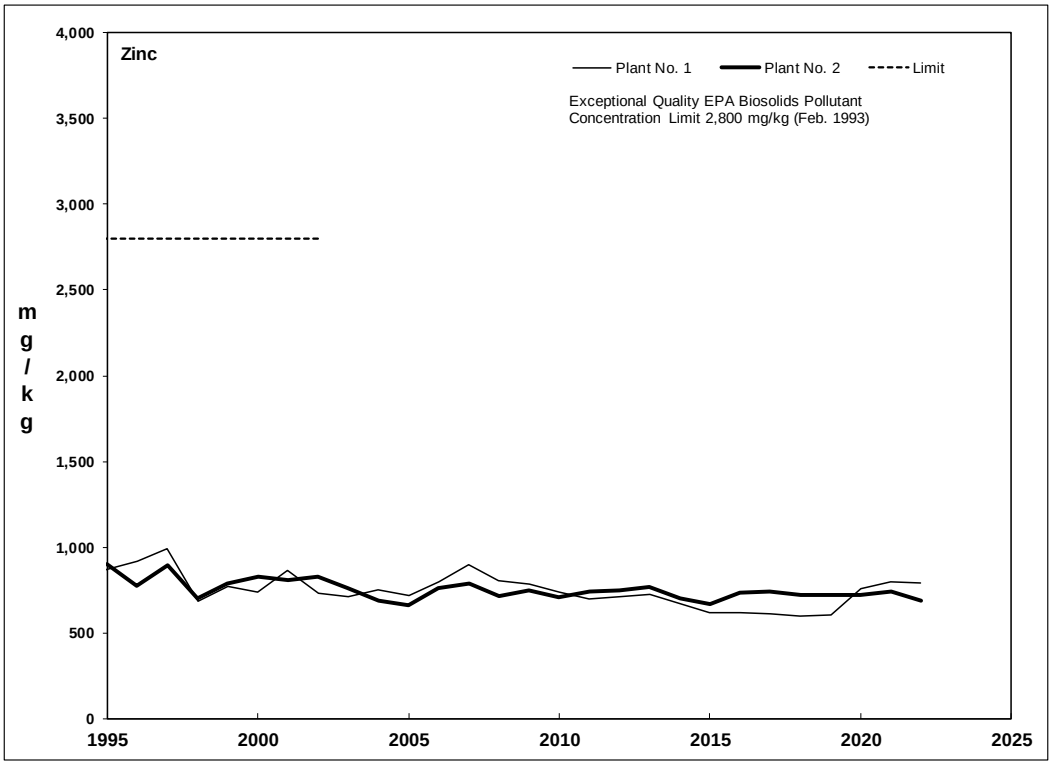

Figure 8-10 Trends in Concentrations of Zinc in Biosolids, Fiscal Years 1994/95-2021/22
Orange County Sanitation District, Resource Protection Division

APPENDIX C - Summary of Biosolids Monitoring Results

Appendix C: Summary of Biosolids Monitoring Results

Category	Parameter	Method	Units	Sample Location	Sample Date	Result	MDL	RL
General Chemistry	Ammonia-N	SM 4500 NH3 G	mg/kg	Plant 1 Dewatering Cake	01/04/2022	2700	66	100
					01/25/2022	1500	--	100
					02/01/2022	1700	38	50
					02/08/2022	2400	38	50
					03/01/2022	1800	38	50
					03/08/2022	1700	38	50
					04/05/2022	1700	38	50
					04/12/2022	1900	38	50
					05/03/2022	2600	100	500
					05/10/2022	2300	180	500
					06/07/2022	1800	38	50
					06/14/2022	1600	38	50
					07/12/2022	1600	38	50
					07/19/2022	1400	38	50
					08/02/2022	1600	38	50
					08/09/2022	1500	38	50
					09/13/2022	1800	38	50
					09/20/2022	1900	38	50
					10/04/2022	1900	38	50
					10/11/2022	1500	38	50
					11/01/2022	1600	38	50
					11/09/2022	1600	38	50
					12/06/2022	2400	75	210
					12/13/2022	1600	90	250
					Annual Mean	1800		
					Annual Max	2700		
			mg/kg dry weight	Plant 1 Dewatering Cake	01/04/2022	11000	280	420
					01/25/2022	6600	--	440
					02/01/2022	5200	120	150
					02/08/2022	10000	160	210
					03/01/2022	7700	160	210
					04/05/2022	7100	160	210
					04/12/2022	8000	160	210
					05/03/2022	10000	400	2000
					05/10/2022	9200	720	2000
					06/07/2022	7300	150	200
					06/14/2022	6500	150	200
					07/12/2022	6600	160	210
					07/19/2022	5600	150	200
					08/02/2022	6400	150	200
					08/09/2022	6100	150	200
					09/13/2022	7600	160	210
					09/20/2022	7600	150	200
					10/04/2022	7700	150	200
					10/11/2022	6300	160	210
					11/01/2022	6300	150	200
					11/09/2022	6300	150	200
					12/06/2022	9700	300	850
					12/13/2022	6400	360	1000
					Annual Mean	7400		
					Annual Max	11000		
		SM 4500 NH3 G	mg/kg	Plant 2 Dewatering Cake	01/04/2022	2700	66	100
					01/25/2022	1500	--	100
					02/01/2022	1200	38	50
					02/08/2022	1600	38	50
					03/01/2022	1200	38	50
					03/08/2022	1200	38	50
					04/05/2022	1100	38	50
					04/12/2022	1300	38	50
					05/03/2022	1700	100	500

				05/10/2022	1500	180	500
				06/07/2022	1100	38	50
				06/14/2022	1000	38	50
				07/12/2022	1200	38	50
				07/19/2022	1000	38	50
				08/02/2022	1100	38	50
				08/09/2022	1000	38	50
				09/13/2022	1600	38	50
				09/20/2022	1200	38	50
				10/04/2022	1100	38	50
				10/11/2022	1200	38	50
				11/01/2022	1300	38	50
				11/09/2022	1100	38	50
				12/06/2022	3800	90	250
				12/13/2022	1500	90	250
				Annual Mean	1400		
				Annual Max	3800		
		mg/kg dry weight	Plant 2 Dewatering Cake	01/25/2022	5500	--	370
				02/01/2022	4200	130	170
				02/08/2022	6200	150	190
				03/01/2022	4700	150	200
				04/05/2022	4000	140	180
				04/12/2022	4900	140	190
				05/03/2022	6000	350	1800
				05/10/2022	5300	640	1800
				06/07/2022	3900	130	180
				06/14/2022	3500	130	180
				07/12/2022	4200	130	180
				07/19/2022	3500	130	180
				08/02/2022	4000	140	180
				08/09/2022	3500	130	180
				09/13/2022	5800	140	180
				09/20/2022	4300	140	180
				10/04/2022	4000	140	180
				10/11/2022	4700	150	190
				11/01/2022	4900	140	190
				11/09/2022	4700	160	220
				12/06/2022	14000	330	930
				12/13/2022	5300	320	880
				Annual Mean	5000		
				Annual Max	14000		
	Fluoride	EPA 300.0	mg/kg dry weight	Plant 1 Dewatering Cake	01/04/2022	50	1.7	8.4
					07/12/2022	45	1.6	8.2
					Annual Mean	48		
					Annual Max	50		
		EPA 300.0	mg/kg dry weight	Plant 2 Dewatering Cake	07/12/2022	81	1.4	7.0
					Annual Mean	81		
					Annual Max	81		
	Fluoride wet weight	EPA 300.0	mg/kg	Plant 1 Dewatering Cake	01/04/2022	12	0.40	2.0
					07/12/2022	11	0.40	2.0
					Annual Mean	12		
					Annual Max	12		
		EPA 300.0	mg/kg	Plant 2 Dewatering Cake	01/04/2022	32	0.40	2.0
					07/12/2022	23	0.40	2.0
					Annual Mean	28		
					Annual Max	32		
	Hexavalent Chromium	EPA 7196A	mg/kg dry weight	Plant 1 Dewatering Cake	01/04/2022	ND	1.1	2.1
					07/12/2022	ND	1.2	3.3
					Annual Mean	<1.2		
					Annual Max	<1.2		
		EPA 7196A	mg/kg dry weight	Plant 2 Dewatering	07/12/2022	1.2 DNQ	1.0	2.8
					Annual Mean	1.2 DNQ		

Appendix C: Summary of Biosolids Monitoring Results

			Cake	Annual Max	1.2 DNQ		
Hexavalent Chromium wet weight	EPA 7196A	mg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	0.25	0.50
				07/12/2022	ND	0.29	0.80
				Annual Mean	<0.29		
				Annual Max	<0.29		
	EPA 7196A	mg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	0.25	0.50
				07/12/2022	0.35 DNQ	0.29	0.80
				Annual Mean	0.30 DNQ		
				Annual Max	0.35 DNQ		
Kjeldahl Nitrogen	EPA 351.2	mg/kg	Plant 1 Dewatering Cake	01/04/2022	15000	170	480
				01/25/2022	13000	170	490
				02/01/2022	16000	170	490
				02/08/2022	15000	170	480
				03/01/2022	17000	880	2500
				03/08/2022	16000	880	2500
				04/05/2022	20000	1000	2800
				04/12/2022	17000	960	2700
				05/03/2022	19000	920	2600
				05/10/2022	26000	2000	5700
				06/07/2022	18000	1700	4800
				06/14/2022	15000	850	2400
				07/12/2022	15000	180	500
				07/19/2022	16000	170	490
				08/02/2022	15000	190	540
				08/09/2022	14000	200	570
				09/13/2022	9000	180	510
				09/20/2022	11000	180	510
				10/04/2022	6700	180	510
				10/11/2022	6600	180	510
				11/01/2022	13000	180	510
				11/09/2022	15000	180	500
				12/06/2022	19000	710	1400
				12/13/2022	15000	650	1300
				Annual Mean	15000		
				Annual Max	26000		
		mg/kg dry weight	Plant 1 Dewatering Cake	01/04/2022	63000	710	2000
				01/25/2022	57000	740	2100
				02/01/2022	49000	520	1500
				02/08/2022	63000	720	2000
				03/01/2022	72000	3700	11000
				04/05/2022	84000	4200	12000
				04/12/2022	72000	4100	11000
				05/03/2022	77000	3700	10000
				05/10/2022	100000	8000	23000
				06/07/2022	73000	6900	19000
				06/14/2022	60000	3400	9700
				07/12/2022	62000	740	2100
				07/19/2022	64000	680	2000
				08/02/2022	60000	760	2200
				08/09/2022	57000	810	2300
				09/13/2022	38000	760	2200
				09/20/2022	44000	720	2000
				10/04/2022	27000	730	2100
				10/11/2022	28000	750	2100
				11/01/2022	51000	710	2000
				11/09/2022	59000	710	2000
				12/06/2022	77000	2900	5600
				12/13/2022	60000	2600	5200
				Annual Mean	61000		
				Annual Max	100000		
	EPA 351.2	mg/kg	Plant 2 Dewatering	01/04/2022	13000	170	480
				01/25/2022	16000	170	490

				Cake	02/01/2022	13000	180	500
					02/08/2022	14000	170	480
					03/01/2022	15000	880	2500
					03/08/2022	16000	880	2500
					04/05/2022	17000	1100	3000
					04/12/2022	16000	1100	3000
					05/03/2022	17000	880	2500
					05/10/2022	28000	2200	6300
					06/07/2022	20000	1700	5000
					06/14/2022	11000	860	2400
					07/12/2022	15000	170	490
					07/19/2022	15000	180	500
					08/02/2022	16000	180	500
					08/09/2022	11000	180	520
					09/13/2022	7600	180	500
					09/20/2022	9300	180	510
					10/04/2022	13000	180	510
					10/11/2022	14000	200	570
					11/01/2022	14000	180	520
					11/09/2022	15000	180	510
					12/06/2022	13000	920	1800
					12/13/2022	14000	700	1400
					Annual Mean	15000		
					Annual Max	28000		
			mg/kg dry weight	Plant 2 Dewatering Cake	01/25/2022	59000	620	1800
					02/01/2022	45000	630	1700
					02/08/2022	54000	660	1900
					03/01/2022	59000	3400	9800
					04/05/2022	62000	4000	11000
					04/12/2022	61000	4200	11000
					05/03/2022	60000	3100	8900
					05/10/2022	99000	7800	22000
					06/07/2022	70000	6000	18000
					06/14/2022	39000	3000	8500
					07/12/2022	53000	600	1700
					07/19/2022	53000	640	1800
					08/02/2022	58000	650	1800
					08/09/2022	39000	640	1800
					09/13/2022	28000	650	1800
					09/20/2022	33000	650	1800
					10/04/2022	47000	650	1900
					10/11/2022	54000	780	2200
					11/01/2022	52000	670	1900
					11/09/2022	65000	780	2200
					12/06/2022	48000	3400	6700
					12/13/2022	49000	2500	4900
					Annual Mean	54000		
					Annual Max	99000		
	Nitrate-N	EPA 300.0	mg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	0.51	1.0
					01/25/2022	ND	0.51	1.0
					02/01/2022	ND	0.51	1.0
					02/08/2022	ND	0.50	0.99
					03/01/2022	ND	0.50	0.99
					03/08/2022	ND	0.50	0.99
					04/05/2022	0.71 DNQ	0.50	0.99
					04/12/2022	ND	0.51	0.99
					05/03/2022	ND	0.51	0.99
					05/10/2022	ND	0.50	0.99
					06/07/2022	ND	0.51	1.0
					06/14/2022	ND	0.50	0.99
					07/12/2022	ND	0.51	1.0
					07/19/2022	ND	0.50	0.98

				08/02/2022	ND	0.50	0.99
				08/09/2022	ND	0.51	1.0
				09/13/2022	ND	0.51	1.0
				09/20/2022	ND	0.50	0.99
				10/04/2022	ND	0.51	0.99
				10/11/2022	ND	0.50	0.99
				11/01/2022	ND	0.51	0.99
				11/09/2022	ND	0.51	0.99
				12/06/2022	ND	0.49	2.0
				12/13/2022	ND	0.49	2.0
				Annual Mean	0.51 DNQ		
				Annual Max	0.71 DNQ		
		mg/kg dry weight	Plant 1 Dewatering Cake	01/04/2022	ND	2.1	4.2
				01/25/2022	ND	2.2	4.4
				02/01/2022	ND	1.6	3.1
				02/08/2022	ND	2.1	4.2
				03/01/2022	ND	2.1	4.2
				04/05/2022	3.0 DNQ	2.1	4.2
				04/12/2022	ND	2.2	4.2
				05/03/2022	ND	2.1	4.0
				05/10/2022	ND	2.0	3.9
				06/07/2022	ND	2.1	4.0
				06/14/2022	ND	2.0	4.0
				07/12/2022	ND	2.1	4.1
				07/19/2022	ND	2.0	3.9
				08/02/2022	ND	2.0	3.9
				08/09/2022	ND	2.1	4.0
				09/13/2022	ND	2.2	4.2
				09/20/2022	ND	2.0	4.0
				10/04/2022	ND	2.1	4.0
				10/11/2022	ND	2.1	4.1
				11/01/2022	ND	2.0	3.9
				11/09/2022	ND	2.0	3.9
				12/06/2022	ND	2.0	8.1
				12/13/2022	ND	2.0	8.0
				Annual Mean	2.1 DNQ		
				Annual Max	3.0 DNQ		
		EPA 300.0	mg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	0.51	1.0
					01/25/2022	ND	0.51	1.0
					02/01/2022	ND	0.50	0.99
					02/08/2022	ND	0.50	0.99
					03/01/2022	ND	0.51	0.99
					03/08/2022	ND	0.51	1.0
					04/05/2022	ND	0.50	0.99
					04/12/2022	ND	0.51	0.99
					05/03/2022	ND	0.51	0.99
					05/10/2022	ND	0.50	0.99
					06/07/2022	ND	0.51	1.0
					06/14/2022	ND	0.51	1.0
					07/12/2022	ND	0.51	0.99
					07/19/2022	ND	0.50	0.98
					08/02/2022	ND	0.51	1.0
					08/09/2022	ND	0.51	1.0
					09/13/2022	ND	0.51	0.99
					09/20/2022	ND	0.50	0.99
					10/04/2022	ND	0.51	1.0
					10/11/2022	ND	0.51	0.99
					11/01/2022	ND	0.51	1.0
					11/09/2022	ND	0.51	1.0
					12/06/2022	ND	0.48	2.0
					12/13/2022	ND	0.49	2.0
					Annual Mean	<0.51		

Appendix C: Summary of Biosolids Monitoring Results

					Annual Max	<0.51		
			mg/kg dry weight	Plant 2 Dewatering Cake	01/25/2022	ND	1.9	3.7
					02/01/2022	ND	1.7	3.4
					02/08/2022	ND	1.9	3.8
					03/01/2022	ND	2.0	3.9
					04/05/2022	ND	1.8	3.6
					04/12/2022	ND	1.9	3.8
					05/03/2022	ND	1.8	3.5
					05/10/2022	ND	1.8	3.5
					06/07/2022	ND	1.8	3.5
					06/14/2022	ND	1.8	3.5
					07/12/2022	ND	1.8	3.5
					07/19/2022	ND	1.8	3.5
					08/02/2022	ND	1.8	3.6
					08/09/2022	ND	1.8	3.5
					09/13/2022	ND	1.9	3.6
					09/20/2022	ND	1.8	3.5
					10/04/2022	ND	1.9	3.6
					10/11/2022	ND	2.0	3.8
					11/01/2022	ND	1.9	3.7
					11/09/2022	ND	2.2	4.3
					12/06/2022	ND	1.8	7.4
					12/13/2022	ND	1.7	7.0
					Annual Mean	<2.2		
					Annual Max	<2.2		
	Nitrite-N	EPA 300.0	mg/kg	Plant 1 Dewatering Cake	01/04/2022	0.35 DNQ	0.32	1.0
					01/25/2022	0.33 DNQ	0.32	1.0
					02/01/2022	ND	0.31	1.0
					02/08/2022	0.41 DNQ	0.31	0.99
					03/01/2022	ND	0.31	0.99
					03/08/2022	0.76 DNQ	0.31	0.99
					04/05/2022	ND	0.31	0.99
					04/12/2022	ND	0.31	0.99
					05/03/2022	0.97 DNQ	0.31	0.99
					05/10/2022	ND	0.31	0.99
					06/07/2022	ND	0.31	1.0
					06/14/2022	0.41 DNQ	0.31	0.99
					07/12/2022	0.43 DNQ	0.32	1.0
					07/19/2022	0.42 DNQ	0.31	0.98
					08/02/2022	0.42 DNQ	0.31	0.99
					08/09/2022	0.42 DNQ	0.32	1.0
					09/13/2022	0.45 DNQ	0.32	1.0
					09/20/2022	0.36 DNQ	0.31	0.99
					10/04/2022	0.39 DNQ	0.31	0.99
					10/11/2022	0.35 DNQ	0.31	0.99
					11/01/2022	ND	0.31	0.99
					11/09/2022	0.33 DNQ	0.31	0.99
					12/06/2022	ND	0.37	2.0
					12/13/2022	1.5 DNQ	0.36	2.0
					Annual Mean	0.45 DNQ		
					Annual Max	1.5 DNQ		
			mg/kg dry weight	Plant 1 Dewatering Cake	01/04/2022	1.5 DNQ	1.3	4.2
					01/25/2022	1.4 DNQ	1.4	4.4
					02/01/2022	ND	0.95	3.1
					02/08/2022	1.7 DNQ	1.3	4.2
					03/01/2022	ND	1.3	4.2
					04/05/2022	ND	1.3	4.2
					04/12/2022	ND	1.3	4.2
					05/03/2022	3.9 DNQ	1.3	4.0
					05/10/2022	ND	1.2	3.9
					06/07/2022	ND	1.3	4.0
					06/14/2022	1.7 DNQ	1.3	4.0

				07/12/2022	1.8 DNQ	1.3	4.1
				07/19/2022	1.7 DNQ	1.2	3.9
				08/02/2022	1.7 DNQ	1.2	3.9
				08/09/2022	1.7 DNQ	1.3	4.0
				09/13/2022	1.9 DNQ	1.4	4.2
				09/20/2022	1.4 DNQ	1.2	4.0
				10/04/2022	1.6 DNQ	1.3	4.0
				10/11/2022	1.5 DNQ	1.3	4.1
				11/01/2022	ND	1.2	3.9
				11/09/2022	1.3 DNQ	1.2	3.9
				12/06/2022	ND	1.5	8.1
				12/13/2022	6.0 DNQ	1.4	8.0
				Annual Mean	1.8 DNQ		
				Annual Max	6.0 DNQ		
		EPA 300.0	mg/kg	Plant 2 Dewatering Cake	01/04/2022	0.34 DNQ	0.32	1.0
					01/25/2022	0.81 DNQ	0.32	1.0
					02/01/2022	ND	0.31	0.99
					02/08/2022	0.41 DNQ	0.31	0.99
					03/01/2022	0.35 DNQ	0.31	0.99
					03/08/2022	0.49 DNQ	0.32	1.0
					04/05/2022	0.39 DNQ	0.31	0.99
					04/12/2022	0.31 DNQ	0.31	0.99
					05/03/2022	ND	0.31	0.99
					05/10/2022	ND	0.31	0.99
					06/07/2022	ND	0.32	1.0
					06/14/2022	0.35 DNQ	0.32	1.0
					07/12/2022	0.31 DNQ	0.31	0.99
					07/19/2022	0.37 DNQ	0.31	0.98
					08/02/2022	0.41 DNQ	0.32	1.0
					08/09/2022	0.33 DNQ	0.32	1.0
					09/13/2022	ND	0.31	0.99
					09/20/2022	ND	0.31	0.99
					10/04/2022	ND	0.31	1.0
					10/11/2022	0.32 DNQ	0.31	0.99
					11/01/2022	ND	0.31	1.0
					11/09/2022	0.36 DNQ	0.32	1.0
					12/06/2022	ND	0.36	2.0
					12/13/2022	ND	0.36	2.0
					Annual Mean	0.37 DNQ		
					Annual Max	0.81 DNQ		
			mg/kg dry weight	Plant 2 Dewatering Cake	01/25/2022	3.0 DNQ	1.2	3.7
					02/01/2022	ND	1.1	3.4
					02/08/2022	1.6 DNQ	1.2	3.8
					03/01/2022	1.4 DNQ	1.2	3.9
					04/05/2022	1.4 DNQ	1.1	3.6
					04/12/2022	1.2 DNQ	1.2	3.8
					05/03/2022	ND	1.1	3.5
					05/10/2022	ND	1.1	3.5
					06/07/2022	ND	1.1	3.5
					06/14/2022	1.2 DNQ	1.1	3.5
					07/12/2022	1.1 DNQ	1.1	3.5
					07/19/2022	1.3 DNQ	1.1	3.5
					08/02/2022	1.5 DNQ	1.2	3.6
					08/09/2022	1.2 DNQ	1.1	3.5
					09/13/2022	ND	1.1	3.6
					09/20/2022	ND	1.1	3.5
					10/04/2022	ND	1.1	3.6
					10/11/2022	1.2 DNQ	1.2	3.8
					11/01/2022	ND	1.2	3.7
					11/09/2022	1.6 DNQ	1.4	4.3
					12/06/2022	ND	1.3	7.4
					12/13/2022	ND	1.3	7.0

				Annual Mean	1.3 DNQ		
				Annual Max	3.0 DNQ		
Organic Lead	HML 939-M	mg/kg dry weight	Plant 1 Dewatering Cake	01/04/2022	ND	0.012	0.084
				07/12/2022	ND	0.066	0.082
				Annual Mean	<0.066		
				Annual Max	<0.066		
	HML 939-M	mg/kg dry weight	Plant 2 Dewatering Cake	07/12/2022	ND	0.056	0.070
				Annual Mean	<0.056		
				Annual Max	<0.056		
Organic Lead wet weight	HML 939-M	mg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	0.0029	0.020
				07/12/2022	ND	0.016	0.020
				Annual Mean	<0.016		
				Annual Max	<0.016		
	HML 939-M	mg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	0.0029	0.020
				07/12/2022	ND	0.016	0.020
				Annual Mean	<0.016		
				Annual Max	<0.016		
Organic Nitrogen	CALC	mg/kg dry weight	Plant 1 Dewatering Cake	01/04/2022	52000	--	--
				01/25/2022	50000	--	--
				02/01/2022	44000	--	--
				02/08/2022	53000	--	--
				03/01/2022	64000	--	--
				04/05/2022	77000	--	--
				04/12/2022	64000	--	--
				05/03/2022	67000	--	--
				05/10/2022	91000	--	--
				06/07/2022	66000	--	--
				06/14/2022	54000	--	--
				07/12/2022	55000	--	--
				07/19/2022	58000	--	--
				08/02/2022	54000	--	--
				08/09/2022	51000	--	--
				09/13/2022	30000	--	--
				09/20/2022	36000	--	--
				10/04/2022	19000	--	--
				10/11/2022	22000	--	--
				11/01/2022	45000	--	--
				11/09/2022	53000	--	--
				12/06/2022	67000	--	--
				12/13/2022	54000	--	--
				Annual Mean	53000		
				Annual Max	91000		
	CALC	mg/kg dry weight	Plant 2 Dewatering Cake	01/25/2022	54000	--	--
				02/01/2022	41000	--	--
				02/08/2022	48000	--	--
				03/01/2022	54000	--	--
				04/05/2022	58000	--	--
				04/12/2022	56000	--	--
				05/03/2022	54000	--	--
				05/10/2022	94000	--	--
				06/07/2022	66000	--	--
				06/14/2022	36000	--	--
				07/12/2022	49000	--	--
				07/19/2022	50000	--	--
				08/02/2022	54000	--	--
				08/09/2022	36000	--	--
				09/13/2022	22000	--	--
				09/20/2022	29000	--	--
				10/04/2022	43000	--	--
				10/11/2022	49000	--	--
				11/01/2022	47000	--	--
				11/09/2022	60000	--	--

				12/06/2022	34000	--	--
				12/13/2022	44000	--	--
				Annual Mean	49000		
				Annual Max	94000		
	Organic Nitrogen wet weight	CALC	mg/kg	Plant 1 Dewatering Cake	01/04/2022	12000	--	--
					01/25/2022	12000	--	--
					02/01/2022	14000	--	--
					02/08/2022	13000	--	--
					03/01/2022	15000	--	--
					03/08/2022	14000	--	--
					04/05/2022	18000	--	--
					04/12/2022	15000	--	--
					05/03/2022	16000	--	--
					05/10/2022	24000	--	--
					06/07/2022	16000	--	--
					06/14/2022	13000	--	--
					07/12/2022	13000	--	--
					07/19/2022	15000	--	--
					08/02/2022	13000	--	--
					08/09/2022	13000	--	--
					09/13/2022	7200	--	--
					09/20/2022	9100	--	--
					10/04/2022	4800	--	--
					10/11/2022	5100	--	--
					11/01/2022	11000	--	--
					11/09/2022	13000	--	--
					12/06/2022	17000	--	--
					12/13/2022	13000	--	--
					Annual Mean	13000		
					Annual Max	24000		
		CALC	mg/kg	Plant 2 Dewatering Cake	01/04/2022	10000	--	--
					01/25/2022	15000	--	--
					02/01/2022	12000	--	--
					02/08/2022	12000	--	--
					03/01/2022	14000	--	--
					03/08/2022	15000	--	--
					04/05/2022	16000	--	--
					04/12/2022	15000	--	--
					05/03/2022	15000	--	--
					05/10/2022	27000	--	--
					06/07/2022	19000	--	--
					06/14/2022	10000	--	--
					07/12/2022	14000	--	--
					07/19/2022	14000	--	--
					08/02/2022	15000	--	--
					08/09/2022	10000	--	--
					09/13/2022	6000	--	--
					09/20/2022	8100	--	--
					10/04/2022	12000	--	--
					10/11/2022	13000	--	--
					11/01/2022	13000	--	--
					11/09/2022	14000	--	--
					12/06/2022	9200	--	--
					12/13/2022	13000	--	--
					Annual Mean	13000		
					Annual Max	27000		
	pH	EPA 9045C	pH units	Plant 1 Dewatering Cake	01/04/2022	7.8	1.7	1.7
					01/25/2022	8.0	1.7	1.7
					02/01/2022	7.8	1.7	1.7
					02/08/2022	8.1	1.7	1.7
					03/01/2022	8.2	1.7	1.7
					03/08/2022	8.1	1.7	1.7

				04/05/2022	7.8	1.7	1.7
				04/12/2022	7.9	1.7	1.7
				05/03/2022	7.8	1.7	1.7
				05/10/2022	7.8	1.7	1.7
				06/07/2022	8.0	1.7	1.7
				06/14/2022	7.3	1.7	1.7
				07/12/2022	7.5	1.7	1.7
				07/19/2022	8.2	1.7	1.7
				08/02/2022	8.2	1.7	1.7
				08/09/2022	7.4	1.7	1.7
				09/13/2022	8.2	1.7	1.7
				09/20/2022	7.6	1.7	1.7
				10/04/2022	8.0	1.7	1.7
				10/11/2022	7.7	1.7	1.7
				11/01/2022	8.4	1.7	1.7
				11/09/2022	8.4	1.7	1.7
				12/06/2022	7.0	0.010	0.01
				12/13/2022	8.3	0.010	0.01
				Annual Mean	7.9		
				Annual Max	8.4		
	EPA 9045C	pH units	Plant 2 Dewatering Cake	01/04/2022	7.8	1.7	1.7
				01/25/2022	8.2	1.7	1.7
				02/01/2022	7.5	1.7	1.7
				02/08/2022	8.3	1.7	1.7
				03/01/2022	8.0	1.7	1.7
				03/08/2022	8.2	1.7	1.7
				04/05/2022	7.9	1.7	1.7
				04/12/2022	7.8	1.7	1.7
				05/03/2022	8.0	1.7	1.7
				05/10/2022	7.8	1.7	1.7
				06/07/2022	8.0	1.7	1.7
				06/14/2022	7.5	1.7	1.7
				07/12/2022	7.8	1.7	1.7
				07/19/2022	7.9	1.7	1.7
				08/02/2022	8.1	1.7	1.7
				08/09/2022	7.4	1.7	1.7
				09/13/2022	8.1	1.7	1.7
				09/20/2022	7.6	1.7	1.7
				10/04/2022	8.2	1.7	1.7
				10/11/2022	7.7	1.7	1.7
				11/01/2022	8.2	1.7	1.7
				11/09/2022	8.2	1.7	1.7
				12/06/2022	6.9	0.010	0.01
				12/13/2022	7.9	0.010	0.01
				Annual Mean	7.9		
				Annual Max	8.3		
	Temperature	EPA 9045C	°C	Plant 1 Dewatering Cake	12/06/2022	22.5	1.0	1
					12/13/2022	23.8	1.0	1.0
					Annual Mean	23		
					Annual Max	24		
		EPA 9045C	°C	Plant 2 Dewatering Cake	12/06/2022	22.5	1.0	1.0
					12/13/2022	23.5	1.0	1
					Annual Mean	23		
					Annual Max	24		
	Total Cyanide	EPA 9014	mg/kg dry weight	Plant 1 Dewatering Cake	03/01/2022	8.1	0.90	0.98
					Annual Mean	8.1		
					Annual Max	8.1		
		EPA 9014	mg/kg dry weight	Plant 2 Dewatering Cake	03/01/2022	7.4	0.80	0.90
					Annual Mean	7.4		
					Annual Max	7.4		
	Total Cyanide wet	EPA 9014	mg/kg	Plant 1 Dewatering	03/01/2022	1.9	0.20	0.23
					Annual Mean	1.9		

weight			Cake	Annual Max	1.9		
	EPA 9014	mg/kg	Plant 2 Dewatering Cake	03/01/2022	1.9	0.20	0.23
				Annual Mean	1.9		
				Annual Max	1.9		
Total Nitrogen	CALC	mg/kg dry weight	Plant 1 Dewatering Cake	01/04/2022	63000	--	--
				01/25/2022	57000	--	--
				02/01/2022	49000	--	--
				02/08/2022	63000	--	--
				03/01/2022	72000	--	--
				04/05/2022	84000	--	--
				04/12/2022	72000	--	--
				05/03/2022	77000	--	--
				05/10/2022	100000	--	--
				06/07/2022	73000	--	--
				06/14/2022	60000	--	--
				07/12/2022	62000	--	--
				07/19/2022	64000	--	--
				08/02/2022	60000	--	--
				08/09/2022	57000	--	--
				09/13/2022	38000	--	--
				09/20/2022	44000	--	--
				10/04/2022	27000	--	--
				10/11/2022	28000	--	--
				11/01/2022	51000	--	--
				11/09/2022	59000	--	--
				12/06/2022	77000	--	--
				12/13/2022	60000	--	--
				Annual Mean	61000		
				Annual Max	100000		
	CALC	mg/kg dry weight	Plant 2 Dewatering Cake	01/25/2022	59000	--	--
				02/01/2022	45000	--	--
				02/08/2022	54000	--	--
				03/01/2022	59000	--	--
				04/05/2022	62000	--	--
				04/12/2022	61000	--	--
				05/03/2022	60000	--	--
				05/10/2022	99000	--	--
				06/07/2022	70000	--	--
				06/14/2022	39000	--	--
				07/12/2022	53000	--	--
				07/19/2022	53000	--	--
				08/02/2022	58000	--	--
				08/09/2022	39000	--	--
				09/13/2022	28000	--	--
				09/20/2022	33000	--	--
				10/04/2022	47000	--	--
				10/11/2022	54000	--	--
				11/01/2022	52000	--	--
				11/09/2022	65000	--	--
				12/06/2022	48000	--	--
				12/13/2022	49000	--	--
				Annual Mean	54000		
				Annual Max	99000		
Total Nitrogen wet weight	CALC	mg/kg	Plant 1 Dewatering Cake	01/04/2022	15000	--	--
				01/25/2022	13000	--	--
				02/01/2022	16000	--	--
				02/08/2022	15000	--	--
				03/01/2022	17000	--	--
				03/08/2022	16000	--	--
				04/05/2022	20000	--	--
				04/12/2022	17000	--	--
				05/03/2022	19000	--	--

				05/10/2022	26000	--	--
				06/07/2022	18000	--	--
				06/14/2022	15000	--	--
				07/12/2022	15000	--	--
				07/19/2022	16000	--	--
				08/02/2022	15000	--	--
				08/09/2022	14000	--	--
				09/13/2022	9000	--	--
				09/20/2022	11000	--	--
				10/04/2022	6700	--	--
				10/11/2022	6600	--	--
				11/01/2022	13000	--	--
				11/09/2022	15000	--	--
				12/06/2022	19000	--	--
				12/13/2022	15000	--	--
				Annual Mean	15000		
				Annual Max	26000		
		CALC	mg/kg	Plant 2 Dewatering Cake	01/04/2022	13000	--	--
					01/25/2022	16000	--	--
					02/01/2022	13000	--	--
					02/08/2022	14000	--	--
					03/01/2022	15000	--	--
					03/08/2022	16000	--	--
					04/05/2022	17000	--	--
					04/12/2022	16000	--	--
					05/03/2022	17000	--	--
					05/10/2022	28000	--	--
					06/07/2022	20000	--	--
					06/14/2022	11000	--	--
					07/12/2022	15000	--	--
					07/19/2022	15000	--	--
					08/02/2022	16000	--	--
					08/09/2022	11000	--	--
					09/13/2022	7600	--	--
					09/20/2022	9300	--	--
					10/04/2022	13000	--	--
					10/11/2022	14000	--	--
					11/01/2022	14000	--	--
					11/09/2022	15000	--	--
					12/06/2022	13000	--	--
					12/13/2022	14000	--	--
					Annual Mean	15000		
					Annual Max	28000		
	Total Solids	SM 2540G	%	Plant 1 Dewatering Cake	01/04/2022	23.8	0.10	0.100
					01/25/2022	22.9	0.10	0.100
					02/01/2022	32.5	0.10	0.100
					02/08/2022	23.7	0.10	0.100
					03/01/2022	23.5	0.10	0.100
					04/05/2022	23.8	0.10	0.100
					04/12/2022	23.7	0.10	0.100
					05/03/2022	24.8	0.10	0.100
					05/10/2022	25.1	0.10	0.100
					06/07/2022	24.7	0.10	0.100
					06/14/2022	24.8	0.10	0.100
					07/12/2022	24.3	0.10	0.100
					07/19/2022	25.1	0.10	0.100
					08/02/2022	25.1	0.10	0.100
					08/09/2022	24.7	0.10	0.100
					09/13/2022	23.6	0.10	0.100
					09/20/2022	25.0	0.10	0.100
					10/04/2022	24.7	0.10	0.100
					10/11/2022	24.0	0.10	0.100

Appendix C: Summary of Biosolids Monitoring Results

					11/01/2022	25.5	0.10	0.100
					11/09/2022	25.5	0.10	0.100
					12/06/2022	24.8	0.10	0.100
					12/13/2022	25.0	0.10	0.100
					Annual Mean	25		
					Annual Max	32		
		SM 2540G	%	Plant 2 Dewatering Cake	01/25/2022	27.3	0.10	0.100
					02/01/2022	28.7	0.10	0.100
					02/08/2022	25.9	0.10	0.100
					03/01/2022	25.6	0.10	0.100
					04/05/2022	27.4	0.10	0.100
					04/12/2022	26.4	0.10	0.100
					05/03/2022	28.2	0.10	0.100
					05/10/2022	28.3	0.10	0.100
					06/07/2022	28.4	0.10	0.100
					06/14/2022	28.3	0.10	0.100
					07/12/2022	28.5	0.10	0.100
					07/19/2022	28.3	0.10	0.100
					08/02/2022	27.6	0.10	0.100
					08/09/2022	28.2	0.10	0.100
					09/13/2022	27.5	0.10	0.100
					09/20/2022	27.9	0.10	0.100
					10/04/2022	27.5	0.10	0.100
					10/11/2022	25.8	0.10	0.100
					11/01/2022	26.7	0.10	0.100
					11/09/2022	23.2	0.10	0.100
					12/06/2022	27.0	0.10	0.100
					12/13/2022	28.5	0.10	0.100
					Annual Mean	27		
					Annual Max	29		
Trace Elements	Antimony	EPA 6010C	mg/kg dry weight	Plant 1 Dewatering Cake	07/12/2022	4.1	0.95	2.1
					Annual Mean	4.1		
					Annual Max	4.1		
		EPA 6010C	mg/kg dry weight	Plant 2 Dewatering Cake	07/12/2022	2.3	0.81	1.7
					Annual Mean	2.3		
					Annual Max	2.3		
	Antimony wet weight	EPA 6010C	mg/kg	Plant 1 Dewatering Cake	07/12/2022	1.0	0.23	0.50
					Annual Mean	1.0		
					Annual Max	1.0		
		EPA 6010C	mg/kg	Plant 2 Dewatering Cake	07/12/2022	0.66	0.23	0.49
					Annual Mean	0.66		
					Annual Max	0.66		
	Arsenic	EPA 6010C	mg/kg dry weight	Plant 1 Dewatering Cake	01/25/2022	11	1.1	11
					02/01/2022	7.4 DNQ	0.77	7.7
					02/08/2022	11	1.1	11
					03/01/2022	8.1 DNQ	1.1	11
					04/05/2022	8.0 DNQ	1.1	10
					04/12/2022	8.4 DNQ	1.1	11
					05/03/2022	8.1 DNQ	1.0	9.7
					05/10/2022	8.4 DNQ	1.0	10.0
					06/07/2022	7.3 DNQ	1.0	10
					06/14/2022	7.3 DNQ	1.0	9.7
					07/12/2022	8.2 DNQ	1.0	10
					07/19/2022	8.4 DNQ	1.0	10.0
					08/02/2022	8.4 DNQ	1.0	10.0
					08/09/2022	7.7 DNQ	1.0	9.7
					09/13/2022	7.2 DNQ	1.1	11
					09/20/2022	8.4 DNQ	1.0	10
					10/04/2022	12	1.0	10
					10/11/2022	8.3 DNQ	1.0	10
					11/01/2022	9.8	0.98	9.8
					11/09/2022	8.6 DNQ	0.98	9.8

Appendix C: Summary of Biosolids Monitoring Results

				12/06/2022	9.7 DNQ	1.0	10
				12/13/2022	8.4 DNQ	1.0	10
				Annual Mean	8.6 DNQ		
				Annual Max	12		
	EPA 6010C	mg/kg dry weight	Plant 2 Dewatering Cake	01/25/2022	9.9	0.92	9.2
				02/01/2022	13	0.87	8.4
				02/08/2022	14	0.97	9.3
				03/01/2022	9.8	0.98	9.4
				04/05/2022	12	0.91	8.8
				04/12/2022	12	0.95	9.5
				05/03/2022	11	0.89	8.9
				05/10/2022	12	0.88	8.8
				06/07/2022	9.9	0.88	8.8
				06/14/2022	12	0.88	8.8
				07/12/2022	11	0.88	8.4
				07/19/2022	7.8 DNQ	0.88	8.8
				08/02/2022	14	0.91	9.1
				08/09/2022	8.2 DNQ	0.89	8.9
				09/13/2022	8.4 DNQ	0.91	9.1
				09/20/2022	9.3	0.90	9.0
				10/04/2022	16	0.91	9.1
				10/11/2022	12	0.97	9.7
				11/01/2022	10	0.94	9.0
				11/09/2022	9.5 DNQ	1.1	11
				12/06/2022	13	0.93	8.9
				12/13/2022	12	0.88	8.8
				Annual Mean	11 DNQ		
				Annual Max	16		
	Arsenic wet weight	EPA 6010C	mg/kg	Plant 1 Dewatering Cake	01/25/2022	2.5	0.25	2.5
					02/01/2022	2.4 DNQ	0.25	2.5
					02/08/2022	2.6	0.25	2.5
					03/01/2022	1.9 DNQ	0.25	2.5
					03/08/2022	3.4	0.26	2.5
					04/05/2022	1.9 DNQ	0.25	2.4
					04/12/2022	2.0 DNQ	0.25	2.5
					05/03/2022	2.0 DNQ	0.25	2.4
					05/10/2022	2.1 DNQ	0.25	2.5
					06/07/2022	1.8 DNQ	0.25	2.5
					06/14/2022	1.8 DNQ	0.25	2.4
					07/12/2022	2.0 DNQ	0.25	2.5
					07/19/2022	2.1 DNQ	0.25	2.5
					08/02/2022	2.1 DNQ	0.25	2.5
					08/09/2022	1.9 DNQ	0.25	2.4
					09/13/2022	1.7 DNQ	0.25	2.5
					09/20/2022	2.1 DNQ	0.25	2.5
					10/04/2022	3.0	0.25	2.5
					10/11/2022	2.0 DNQ	0.25	2.5
					11/01/2022	2.5	0.25	2.5
					11/09/2022	2.2 DNQ	0.25	2.5
					12/06/2022	2.4 DNQ	0.25	2.5
					12/13/2022	2.1 DNQ	0.25	2.5
				Annual Mean	2.2 DNQ		
				Annual Max	3.4		
		EPA 6010C	mg/kg	Plant 2 Dewatering Cake	01/25/2022	2.7	0.25	2.5
					02/01/2022	3.6	0.25	2.4
					02/08/2022	3.6	0.25	2.4
					03/01/2022	2.5	0.25	2.4
					03/08/2022	2.6	0.25	2.5
					04/05/2022	3.2	0.25	2.4
					04/12/2022	3.2	0.25	2.5
					05/03/2022	3.2	0.25	2.5
					05/10/2022	3.5	0.25	2.5

				06/07/2022	2.8	0.25	2.5
				06/14/2022	3.3	0.25	2.5
				07/12/2022	3.0	0.25	2.4
				07/19/2022	2.2 DNQ	0.25	2.5
				08/02/2022	3.8	0.25	2.5
				08/09/2022	2.3 DNQ	0.25	2.5
				09/13/2022	2.3 DNQ	0.25	2.5
				09/20/2022	2.6	0.25	2.5
				10/04/2022	4.3	0.25	2.5
				10/11/2022	3.2	0.25	2.5
				11/01/2022	2.8	0.25	2.4
				11/09/2022	2.2 DNQ	0.25	2.5
				12/06/2022	3.4	0.25	2.4
				12/13/2022	3.5	0.25	2.5
				Annual Mean	3.0 DNQ		
				Annual Max	4.3		
Barium	EPA 6010C	mg/kg dry weight	Plant 1 Dewatering Cake	07/12/2022	450	0.21	21
				Annual Mean	450		
				Annual Max	450		
	EPA 6010C	mg/kg dry weight	Plant 2 Dewatering Cake	07/12/2022	1200	0.18	17
				Annual Mean	1200		
				Annual Max	1200		
Barium wet weight	EPA 6010C	mg/kg	Plant 1 Dewatering Cake	07/12/2022	110	0.051	5.0
				Annual Mean	110		
				Annual Max	110		
	EPA 6010C	mg/kg	Plant 2 Dewatering Cake	07/12/2022	340	0.050	4.9
				Annual Mean	340		
				Annual Max	340		
Beryllium	EPA 6010C	mg/kg dry weight	Plant 1 Dewatering Cake	07/12/2022	0.15 DNQ	0.024	0.21
				Annual Mean	0.15 DNQ		
				Annual Max	0.15 DNQ		
	EPA 6010C	mg/kg dry weight	Plant 2 Dewatering Cake	07/12/2022	0.11 DNQ	0.020	0.17
				Annual Mean	0.11 DNQ		
				Annual Max	0.11 DNQ		
Beryllium wet weight	EPA 6010C	mg/kg	Plant 1 Dewatering Cake	07/12/2022	0.036 DNQ	0.0058	0.050
				Annual Mean	0.036 DNQ		
				Annual Max	0.036 DNQ		
	EPA 6010C	mg/kg	Plant 2 Dewatering Cake	07/12/2022	0.031 DNQ	0.0057	0.049
				Annual Mean	0.031 DNQ		
				Annual Max	0.031 DNQ		
Cadmium	EPA 6010C	mg/kg dry weight	Plant 1 Dewatering Cake	01/25/2022	1.3	0.18	0.44
				02/01/2022	0.80	0.13	0.30
				02/08/2022	1.2	0.18	0.42
				03/01/2022	1.4	0.18	0.43
				04/05/2022	1.8	0.17	0.41
				04/12/2022	1.2	0.18	0.42
				05/03/2022	0.97	0.17	0.40
				05/10/2022	1.1	0.17	0.39
				06/07/2022	1.1	0.17	0.40
				06/14/2022	1.2	0.17	0.39
				07/12/2022	0.95	0.17	0.41
				07/19/2022	0.76	0.17	0.39
				08/02/2022	0.64	0.17	0.39
				08/09/2022	0.81	0.17	0.39
				09/13/2022	1.4	0.18	0.42
				09/20/2022	1.4	0.17	0.40
				10/04/2022	1.3	0.17	0.40
				10/11/2022	1.6	0.18	0.42
				11/01/2022	1.5	0.16	0.39
				11/09/2022	1.5	0.16	0.39
				12/06/2022	1.2	0.17	0.40
				12/13/2022	1.3	0.17	0.39

Appendix C: Summary of Biosolids Monitoring Results

				Annual Mean	1.2		
				Annual Max	1.8		
		EPA 6010C	mg/kg dry weight	Plant 2 Dewatering Cake	01/25/2022	1.2	0.15	0.37
					02/01/2022	1.3	0.14	0.34
					02/08/2022	1.3	0.16	0.38
					03/01/2022	1.1	0.16	0.38
					04/05/2022	1.4	0.15	0.36
					04/12/2022	1.3	0.16	0.37
					05/03/2022	1.1	0.15	0.35
					05/10/2022	1.4	0.15	0.35
					06/07/2022	1.3	0.15	0.35
					06/14/2022	1.4	0.15	0.35
					07/12/2022	0.60	0.14	0.34
					07/19/2022	0.53	0.15	0.35
					08/02/2022	1.7	0.15	0.36
					08/09/2022	1.8	0.15	0.35
					09/13/2022	1.5	0.15	0.36
					09/20/2022	1.0	0.15	0.35
					10/04/2022	1.2	0.15	0.36
					10/11/2022	1.1	0.16	0.38
					11/01/2022	1.3	0.15	0.36
					11/09/2022	1.2	0.18	0.43
					12/06/2022	1.0	0.15	0.36
					12/13/2022	1.2	0.15	0.35
				Annual Mean	1.2		
				Annual Max	1.8		
	Cadmium wet weight	EPA 6010C	mg/kg	Plant 1 Dewatering Cake	01/25/2022	0.29	0.042	0.10
					02/01/2022	0.26	0.042	0.098
					02/08/2022	0.29	0.042	0.10
					03/01/2022	0.33	0.042	0.10
					03/08/2022	0.30	0.042	0.10
					04/05/2022	0.42	0.041	0.098
					04/12/2022	0.29	0.042	0.10
					05/03/2022	0.24	0.041	0.098
					05/10/2022	0.27	0.042	0.098
					06/07/2022	0.28	0.042	0.098
					06/14/2022	0.30	0.041	0.097
					07/12/2022	0.23	0.042	0.099
					07/19/2022	0.19	0.042	0.099
					08/02/2022	0.16	0.042	0.098
					08/09/2022	0.20	0.041	0.097
					09/13/2022	0.32	0.042	0.099
					09/20/2022	0.35	0.042	0.10
					10/04/2022	0.31	0.042	0.10
					10/11/2022	0.39	0.042	0.10
					11/01/2022	0.38	0.042	0.099
					11/09/2022	0.38	0.042	0.099
					12/06/2022	0.29	0.042	0.10
					12/13/2022	0.33	0.042	0.098
				Annual Mean	0.30		
				Annual Max	0.42		
		EPA 6010C	mg/kg	Plant 2 Dewatering Cake	01/25/2022	0.33	0.042	0.10
					02/01/2022	0.36	0.041	0.098
					02/08/2022	0.33	0.041	0.098
					03/01/2022	0.27	0.041	0.098
					03/08/2022	0.26	0.042	0.099
					04/05/2022	0.38	0.041	0.098
					04/12/2022	0.33	0.042	0.098
					05/03/2022	0.31	0.042	0.099
					05/10/2022	0.40	0.042	0.10
					06/07/2022	0.37	0.042	0.098
					06/14/2022	0.39	0.042	0.098

				07/12/2022	0.17	0.041	0.098
				07/19/2022	0.15	0.042	0.099
				08/02/2022	0.47	0.042	0.10
				08/09/2022	0.52	0.042	0.098
				09/13/2022	0.40	0.042	0.099
				09/20/2022	0.28	0.042	0.099
				10/04/2022	0.34	0.042	0.099
				10/11/2022	0.28	0.042	0.099
				11/01/2022	0.34	0.041	0.097
				11/09/2022	0.28	0.042	0.099
				12/06/2022	0.28	0.041	0.097
				12/13/2022	0.34	0.042	0.099
				Annual Mean	0.33		
				Annual Max	0.52		
	Chromium	EPA 6010C	mg/kg dry weight	Plant 1 Dewatering Cake	01/25/2022	44	0.70	1.1
					02/01/2022	31	0.49	0.77
					02/08/2022	46	0.68	1.1
					03/01/2022	40	0.68	1.1
					04/05/2022	41	0.67	1.0
					04/12/2022	38	0.68	1.1
					05/03/2022	33	0.65	0.97
					05/10/2022	34	0.64	1.00
					06/07/2022	31	0.65	1.0
					06/14/2022	36	0.65	0.97
					07/12/2022	32	0.66	1.0
					07/19/2022	37	0.64	1.00
					08/02/2022	37	0.64	1.00
					08/09/2022	37	0.65	0.97
					09/13/2022	37	0.68	1.1
					09/20/2022	37	0.64	1.0
					10/04/2022	39	0.65	1.0
					10/11/2022	37	0.67	1.0
					11/01/2022	38	0.63	0.98
					11/09/2022	36	0.63	0.98
					12/06/2022	38	0.65	1.0
					12/13/2022	38	0.64	1.0
					Annual Mean	37		
					Annual Max	46		
		EPA 6010C	mg/kg dry weight	Plant 2 Dewatering Cake	01/25/2022	51	0.59	0.92
					02/01/2022	49	0.56	0.84
					02/08/2022	54	0.62	0.93
					03/01/2022	47	0.63	0.94
					04/05/2022	40	0.58	0.88
					04/12/2022	42	0.61	0.95
					05/03/2022	39	0.57	0.89
					05/10/2022	42	0.57	0.88
					06/07/2022	39	0.56	0.88
					06/14/2022	42	0.57	0.88
					07/12/2022	42	0.56	0.84
					07/19/2022	35	0.57	0.88
					08/02/2022	54	0.58	0.91
					08/09/2022	46	0.57	0.89
					09/13/2022	47	0.58	0.91
					09/20/2022	54	0.57	0.90
					10/04/2022	55	0.58	0.91
					10/11/2022	47	0.62	0.97
					11/01/2022	49	0.60	0.90
					11/09/2022	39	0.69	1.1
					12/06/2022	48	0.59	0.89
					12/13/2022	46	0.56	0.88
					Annual Mean	46		
					Annual Max	55		

Appendix C: Summary of Biosolids Monitoring Results

Chromium wet weight	EPA 6010C	mg/kg	Plant 1 Dewatering Cake	01/25/2022	10	0.16	0.25
				02/01/2022	10	0.16	0.25
				02/08/2022	11	0.16	0.25
				03/01/2022	9.5	0.16	0.25
				03/08/2022	12	0.16	0.25
				04/05/2022	9.8	0.16	0.24
				04/12/2022	8.9	0.16	0.25
				05/03/2022	8.3	0.16	0.24
				05/10/2022	8.5	0.16	0.25
				06/07/2022	7.7	0.16	0.25
				06/14/2022	8.9	0.16	0.24
				07/12/2022	7.8	0.16	0.25
				07/19/2022	9.3	0.16	0.25
				08/02/2022	9.2	0.16	0.25
				08/09/2022	9.1	0.16	0.24
				09/13/2022	8.7	0.16	0.25
				09/20/2022	9.3	0.16	0.25
				10/04/2022	9.7	0.16	0.25
				10/11/2022	8.8	0.16	0.25
				11/01/2022	9.6	0.16	0.25
				11/09/2022	9.1	0.16	0.25
				12/06/2022	9.4	0.16	0.25
				12/13/2022	9.5	0.16	0.25
				Annual Mean	9.3		
				Annual Max	12		
	EPA 6010C	mg/kg	Plant 2 Dewatering Cake	01/25/2022	14	0.16	0.25
				02/01/2022	14	0.16	0.24
				02/08/2022	14	0.16	0.24
				03/01/2022	12	0.16	0.24
				03/08/2022	10	0.16	0.25
				04/05/2022	11	0.16	0.24
				04/12/2022	11	0.16	0.25
				05/03/2022	11	0.16	0.25
				05/10/2022	12	0.16	0.25
				06/07/2022	11	0.16	0.25
				06/14/2022	12	0.16	0.25
				07/12/2022	12	0.16	0.24
				07/19/2022	9.9	0.16	0.25
				08/02/2022	15	0.16	0.25
				08/09/2022	13	0.16	0.25
				09/13/2022	13	0.16	0.25
				09/20/2022	15	0.16	0.25
				10/04/2022	15	0.16	0.25
				10/11/2022	12	0.16	0.25
				11/01/2022	13	0.16	0.24
				11/09/2022	9.1	0.16	0.25
				12/06/2022	13	0.16	0.24
				12/13/2022	13	0.16	0.25
				Annual Mean	12		
				Annual Max	15		
Cobalt	EPA 6010C	mg/kg dry weight	Plant 1 Dewatering Cake	07/12/2022	4.5	0.086	1.0
				Annual Mean	4.5		
				Annual Max	4.5		
	EPA 6010C	mg/kg dry weight	Plant 2 Dewatering Cake	07/12/2022	4.9	0.074	0.84
				Annual Mean	4.9		
				Annual Max	4.9		
Cobalt wet weight	EPA 6010C	mg/kg	Plant 1 Dewatering Cake	07/12/2022	1.1	0.021	0.25
				Annual Mean	1.1		
				Annual Max	1.1		
	EPA 6010C	mg/kg	Plant 2 Dewatering Cake	07/12/2022	1.4	0.021	0.24
				Annual Mean	1.4		
				Annual Max	1.4		

Appendix C: Summary of Biosolids Monitoring Results

Copper	EPA 6010C	mg/kg dry weight	Plant 1 Dewatering Cake	01/25/2022	440	0.52	1.1
				02/01/2022	340	0.34	0.77
				02/08/2022	510	0.46	1.1
				03/01/2022	510	0.51	1.1
				04/05/2022	460	0.46	1.0
				04/12/2022	460	0.51	1.1
				05/03/2022	440	0.44	0.97
				05/10/2022	440	0.44	1.00
				06/07/2022	450	0.45	1.0
				06/14/2022	480	0.44	0.97
				07/12/2022	450	0.45	1.0
				07/19/2022	440	0.44	1.00
				08/02/2022	440	0.44	1.00
				08/09/2022	490	0.45	0.97
				09/13/2022	470	0.47	1.1
				09/20/2022	520	0.48	1.0
				10/04/2022	490	0.49	1.0
				10/11/2022	500	0.50	1.0
				11/01/2022	510	0.43	0.98
				11/09/2022	470	0.43	0.98
				12/06/2022	480	0.48	1.0
				12/13/2022	520	0.44	1.0
				Annual Mean	470		
				Annual Max	520		
	EPA 6010C	mg/kg dry weight	Plant 2 Dewatering Cake	01/25/2022	320	0.44	0.92
				02/01/2022	330	0.38	0.84
				02/08/2022	370	0.42	0.93
				03/01/2022	370	0.43	0.94
				04/05/2022	350	0.40	0.88
				04/12/2022	360	0.42	0.95
				05/03/2022	340	0.39	0.89
				05/10/2022	350	0.42	0.88
				06/07/2022	350	0.39	0.88
				06/14/2022	390	0.39	0.88
				07/12/2022	350	0.39	0.84
				07/19/2022	260	0.39	0.88
				08/02/2022	400	0.43	0.91
				08/09/2022	350	0.39	0.89
				09/13/2022	350	0.40	0.91
				09/20/2022	350	0.39	0.90
				10/04/2022	400	0.40	0.91
				10/11/2022	350	0.43	0.97
				11/01/2022	370	0.41	0.90
				11/09/2022	320	0.47	1.1
				12/06/2022	370	0.41	0.89
				12/13/2022	350	0.39	0.88
				Annual Mean	350		
				Annual Max	400		
Copper wet weight	EPA 6010C	mg/kg	Plant 1 Dewatering Cake	01/25/2022	100	0.12	0.25
				02/01/2022	110	0.11	0.25
				02/08/2022	120	0.11	0.25
				03/01/2022	120	0.12	0.25
				03/08/2022	90	0.12	0.25
				04/05/2022	110	0.11	0.24
				04/12/2022	110	0.12	0.25
				05/03/2022	110	0.11	0.24
				05/10/2022	110	0.11	0.25
				06/07/2022	110	0.11	0.25
				06/14/2022	120	0.11	0.24
				07/12/2022	110	0.11	0.25
				07/19/2022	110	0.11	0.25
				08/02/2022	110	0.11	0.25

				08/09/2022	120	0.11	0.24
				09/13/2022	110	0.11	0.25
				09/20/2022	130	0.12	0.25
				10/04/2022	120	0.12	0.25
				10/11/2022	120	0.12	0.25
				11/01/2022	130	0.11	0.25
				11/09/2022	120	0.11	0.25
				12/06/2022	120	0.12	0.25
				12/13/2022	130	0.11	0.25
				Annual Mean	110		
				Annual Max	130		
	EPA 6010C	mg/kg	Plant 2 Dewatering Cake	01/25/2022	88	0.12	0.25
				02/01/2022	96	0.11	0.24
				02/08/2022	97	0.11	0.24
				03/01/2022	95	0.11	0.24
				03/08/2022	100	0.11	0.25
				04/05/2022	97	0.11	0.24
				04/12/2022	94	0.11	0.25
				05/03/2022	96	0.11	0.25
				05/10/2022	100	0.12	0.25
				06/07/2022	99	0.11	0.25
				06/14/2022	110	0.11	0.25
				07/12/2022	100	0.11	0.24
				07/19/2022	74	0.11	0.25
				08/02/2022	110	0.12	0.25
				08/09/2022	100	0.11	0.25
				09/13/2022	96	0.11	0.25
				09/20/2022	98	0.11	0.25
				10/04/2022	110	0.11	0.25
				10/11/2022	90	0.11	0.25
				11/01/2022	100	0.11	0.24
				11/09/2022	74	0.11	0.25
				12/06/2022	100	0.11	0.24
				12/13/2022	100	0.11	0.25
				Annual Mean	97		
				Annual Max	110		
	Iron	EPA 6010C	mg/kg dry weight	Plant 1 Dewatering Cake	07/12/2022	62000	4.9	82
					Annual Mean	62000		
					Annual Max	62000		
		EPA 6010C	mg/kg dry weight	Plant 2 Dewatering Cake	07/12/2022	77000	4.2	70
					Annual Mean	77000		
					Annual Max	77000		
	Iron wet weight	EPA 6010C	mg/kg	Plant 1 Dewatering Cake	07/12/2022	15000	1.2	20
					Annual Mean	15000		
					Annual Max	15000		
		EPA 6010C	mg/kg	Plant 2 Dewatering Cake	07/12/2022	22000	1.2	20
					Annual Mean	22000		
					Annual Max	22000		
	Lead	EPA 6010C	mg/kg dry weight	Plant 1 Dewatering Cake	01/25/2022	6.6	0.61	2.2
					02/01/2022	3.4	0.43	1.5
					02/08/2022	6.3	0.59	2.1
					03/01/2022	6.4	0.60	2.1
					04/05/2022	5.0	0.59	2.1
					04/12/2022	5.9	0.59	2.1
					05/03/2022	7.7	0.56	2.0
					05/10/2022	7.6	0.56	2.0
					06/07/2022	4.5	0.57	2.0
					06/14/2022	6.0	0.56	2.0
					07/12/2022	4.9	0.58	2.1
					07/19/2022	3.9	0.56	2.0
					08/02/2022	2.8	0.56	2.0
					08/09/2022	2.5	0.57	2.0

				09/13/2022	3.3	0.59	2.1
				09/20/2022	2.8	0.56	2.0
				10/04/2022	2.1	0.57	2.0
				10/11/2022	4.6	0.58	2.1
				11/01/2022	3.9	0.55	1.9
				11/09/2022	1.5 DNQ	0.55	1.9
				12/06/2022	2.2	0.56	2.0
				12/13/2022	5.2	0.56	2.0
				Annual Mean	4.5 DNQ		
				Annual Max	7.7		
		EPA 6010C	mg/kg dry weight	Plant 2 Dewatering Cake	01/25/2022	3.7	0.51	1.8
					02/01/2022	3.1	0.49	1.7
					02/08/2022	3.6	0.54	1.9
					03/01/2022	7.4	0.55	1.9
					04/05/2022	1.8	0.51	1.8
					04/12/2022	3.6	0.53	1.9
					05/03/2022	5.3	0.50	1.8
					05/10/2022	3.9	0.49	1.8
					06/07/2022	2.9	0.49	1.7
					06/14/2022	4.6	0.49	1.7
					07/12/2022	1.4 DNQ	0.49	1.7
					07/19/2022	0.60 DNQ	0.49	1.7
					08/02/2022	0.87 DNQ	0.51	1.8
					08/09/2022	0.67 DNQ	0.50	1.7
					09/13/2022	3.5	0.51	1.8
					09/20/2022	0.75 DNQ	0.50	1.8
					10/04/2022	ND	0.51	1.8
					10/11/2022	2.2	0.54	1.9
					11/01/2022	4.9	0.52	1.8
					11/09/2022	ND	0.60	2.1
					12/06/2022	ND	0.52	1.8
					12/13/2022	2.6	0.49	1.8
					Annual Mean	2.7 DNQ		
					Annual Max	7.4		
	Lead wet weight	EPA 6010C	mg/kg	Plant 1 Dewatering Cake	01/25/2022	1.5	0.14	0.50
					02/01/2022	1.1	0.14	0.49
					02/08/2022	1.5	0.14	0.50
					03/01/2022	1.5	0.14	0.50
					03/08/2022	0.56	0.14	0.50
					04/05/2022	1.2	0.14	0.49
					04/12/2022	1.4	0.14	0.50
					05/03/2022	1.9	0.14	0.49
					05/10/2022	1.9	0.14	0.49
					06/07/2022	1.1	0.14	0.49
					06/14/2022	1.5	0.14	0.49
					07/12/2022	1.2	0.14	0.50
					07/19/2022	0.97	0.14	0.50
					08/02/2022	0.71	0.14	0.49
					08/09/2022	0.61	0.14	0.49
					09/13/2022	0.78	0.14	0.50
					09/20/2022	0.70	0.14	0.50
					10/04/2022	0.52	0.14	0.50
					10/11/2022	1.1	0.14	0.50
					11/01/2022	1.0	0.14	0.49
					11/09/2022	0.37 DNQ	0.14	0.49
					12/06/2022	0.55	0.14	0.50
					12/13/2022	1.3	0.14	0.49
					Annual Mean	1.1 DNQ		
					Annual Max	1.9		
		EPA 6010C	mg/kg	Plant 2 Dewatering Cake	01/25/2022	1.0	0.14	0.50
					02/01/2022	0.90	0.14	0.49
					02/08/2022	0.94	0.14	0.49

Appendix C: Summary of Biosolids Monitoring Results

					03/01/2022	1.9	0.14	0.49
					03/08/2022	0.89	0.14	0.50
					04/05/2022	0.50	0.14	0.49
					04/12/2022	0.94	0.14	0.49
					05/03/2022	1.5	0.14	0.50
					05/10/2022	1.1	0.14	0.50
					06/07/2022	0.82	0.14	0.49
					06/14/2022	1.3	0.14	0.49
					07/12/2022	0.39 DNQ	0.14	0.49
					07/19/2022	0.17 DNQ	0.14	0.49
					08/02/2022	0.24 DNQ	0.14	0.50
					08/09/2022	0.19 DNQ	0.14	0.49
					09/13/2022	0.95	0.14	0.50
					09/20/2022	0.21 DNQ	0.14	0.50
					10/04/2022	ND	0.14	0.49
					10/11/2022	0.56	0.14	0.50
					11/01/2022	1.3	0.14	0.49
					11/09/2022	ND	0.14	0.49
					12/06/2022	ND	0.14	0.49
					12/13/2022	0.73	0.14	0.50
					Annual Mean	0.74 DNQ		
					Annual Max	1.9		
	Mercury	EPA 7471A	mg/kg dry weight	Plant 1 Dewatering Cake	01/04/2022	0.63	0.40	0.40
					01/25/2022	1.0	0.40	0.40
					02/01/2022	0.43	0.30	0.30
					02/08/2022	0.55	0.42	0.42
					03/01/2022	0.60	0.41	0.41
					04/05/2022	0.55	0.39	0.39
					04/12/2022	0.55	0.38	0.38
					05/03/2022	0.85	0.38	0.38
					05/10/2022	0.48	0.37	0.37
					06/07/2022	0.73	0.37	0.37
					06/14/2022	0.56	0.39	0.39
					07/12/2022	0.66	0.18	0.37
					07/19/2022	0.68	0.34	0.34
					08/02/2022	0.64	0.33	0.33
					08/09/2022	0.69	0.40	0.40
					09/13/2022	0.89	0.41	0.41
					09/20/2022	0.64	0.35	0.35
					10/04/2022	0.85	0.37	0.37
					10/11/2022	0.63	0.35	0.35
					11/01/2022	0.55	0.39	0.39
					11/09/2022	0.90	--	0.39
					12/06/2022	0.56	0.13	0.33
					12/13/2022	0.60	0.13	0.34
					Annual Mean	0.66		
					Annual Max	1.0		
		EPA 7471A	mg/kg dry weight	Plant 2 Dewatering Cake	01/25/2022	1.0	0.36	0.36
					02/01/2022	0.42	0.33	0.33
						0.34	0.32	0.32
					02/08/2022	0.54	0.35	0.35
					03/01/2022	0.47	0.39	0.39
					04/05/2022	0.40	0.32	0.32
					04/12/2022	0.49	0.34	0.34
					05/03/2022	0.39	0.31	0.31
					05/10/2022	0.39	0.31	0.31
					06/07/2022	0.39	0.35	0.35
					06/14/2022	0.49	0.32	0.32
					07/12/2022	0.67	0.16	0.33
					07/19/2022	0.71	0.34	0.34
					08/02/2022	0.54	0.34	0.34
					08/09/2022	0.43	0.34	0.34

				09/13/2022	0.36	0.32	0.32
				09/20/2022	0.39	0.33	0.33
				10/04/2022	0.36	0.33	0.33
				10/11/2022	0.43	0.38	0.38
				11/01/2022	0.52	0.36	0.36
				11/09/2022	0.82	--	0.43
				12/06/2022	0.67	0.11	0.30
				12/13/2022	0.49	0.12	0.30
				Annual Mean	0.51		
				Annual Max	1.0		
	Mercury wet weight	EPA 7471A	mg/kg	Plant 1 Dewatering Cake	01/04/2022	0.15	0.096	0.096
					01/25/2022	0.23	0.092	0.092
					02/01/2022	0.14	0.096	0.096
					02/08/2022	0.13	0.099	0.099
					03/01/2022	0.14	0.097	0.097
					03/08/2022	0.15	0.092	0.092
					04/05/2022	0.13	0.092	0.092
					04/12/2022	0.13	0.089	0.089
					05/03/2022	0.21	0.093	0.093
					05/10/2022	0.12	0.092	0.092
					06/07/2022	0.18	0.091	0.091
					06/14/2022	0.14	0.096	0.096
					07/12/2022	0.16	0.044	0.091
					07/19/2022	0.17	0.086	0.086
					08/02/2022	0.16	0.084	0.084
					08/09/2022	0.17	0.099	0.099
					09/13/2022	0.21	0.096	0.096
					09/20/2022	0.16	0.088	0.088
					10/04/2022	0.21	0.092	0.092
					10/11/2022	0.15	0.084	0.084
					11/01/2022	0.14	0.099	0.099
					11/09/2022	0.23	--	0.099
					12/06/2022	0.14	0.032	0.083
					12/13/2022	0.15	0.033	0.085
					Annual Mean	0.16		
					Annual Max	0.23		
		EPA 7471A	mg/kg	Plant 2 Dewatering Cake	01/04/2022	0.13	0.086	0.086
					01/25/2022	0.28	0.097	0.097
					02/01/2022	0.12	0.096	0.096
						0.099	0.091	0.091
					02/08/2022	0.14	0.091	0.091
					03/01/2022	0.12	0.099	0.099
					03/08/2022	0.095	0.094	0.094
					04/05/2022	0.11	0.088	0.088
					04/12/2022	0.13	0.091	0.091
					05/03/2022	0.11	0.087	0.087
					05/10/2022	0.11	0.089	0.089
					06/07/2022	0.11	0.098	0.098
					06/14/2022	0.14	0.091	0.091
					07/12/2022	0.19	0.046	0.094
					07/19/2022	0.20	0.095	0.095
					08/02/2022	0.15	0.095	0.095
					08/09/2022	0.12	0.096	0.096
					09/13/2022	0.10	0.089	0.089
					09/20/2022	0.11	0.091	0.091
					10/04/2022	0.10	0.091	0.091
					10/11/2022	0.11	0.099	0.099
					11/01/2022	0.14	0.097	0.097
					11/09/2022	0.19	--	0.099
					12/06/2022	0.18	0.031	0.082
					12/13/2022	0.14	0.033	0.085
					Annual Mean	0.14		

Appendix C: Summary of Biosolids Monitoring Results

				Annual Max	0.28		
Molybdenum	EPA 6010C	mg/kg dry weight	Plant 1 Dewatering Cake	01/25/2022	13	0.22	2.2
				02/01/2022	9.8	0.15	1.5
				02/08/2022	17	0.21	2.1
				03/01/2022	14	0.21	2.1
				04/05/2022	16	0.21	2.1
				04/12/2022	17	0.21	2.1
				05/03/2022	14	0.20	2.0
				05/10/2022	14	0.20	2.0
				06/07/2022	15	0.20	2.0
				06/14/2022	16	0.20	2.0
				07/12/2022	14	0.20	2.1
				07/19/2022	15	0.20	2.0
				08/02/2022	17	0.20	2.0
				08/09/2022	17	0.20	2.0
				09/13/2022	17	0.21	2.1
				09/20/2022	17	0.20	2.0
				10/04/2022	18	0.20	2.0
				10/11/2022	17	0.21	2.1
				11/01/2022	16	0.19	1.9
				11/09/2022	15	0.19	1.9
				12/06/2022	16	0.20	2.0
				12/13/2022	13	0.20	2.0
				Annual Mean	15		
				Annual Max	18		
	EPA 6010C	mg/kg dry weight	Plant 2 Dewatering Cake	01/25/2022	14	0.18	1.8
				02/01/2022	16	0.17	1.7
				02/08/2022	19	0.19	1.9
				03/01/2022	16	0.19	1.9
				04/05/2022	21	0.18	1.8
				04/12/2022	20	0.19	1.9
				05/03/2022	18	0.17	1.8
				05/10/2022	20	0.18	1.8
				06/07/2022	18	0.17	1.7
				06/14/2022	20	0.17	1.7
				07/12/2022	17	0.17	1.7
				07/19/2022	12	0.17	1.7
				08/02/2022	22	0.18	1.8
				08/09/2022	18	0.17	1.7
				09/13/2022	17	0.18	1.8
				09/20/2022	17	0.18	1.8
				10/04/2022	20	0.18	1.8
				10/11/2022	16	0.19	1.9
				11/01/2022	16	0.18	1.8
				11/09/2022	14	0.21	2.1
				12/06/2022	18	0.18	1.8
				12/13/2022	13	0.18	1.8
				Annual Mean	17		
				Annual Max	22		
Molybdenum wet weight	EPA 6010C	mg/kg	Plant 1 Dewatering Cake	01/25/2022	3.0	0.050	0.50
				02/01/2022	3.2	0.049	0.49
				02/08/2022	4.0	0.050	0.50
				03/01/2022	3.3	0.050	0.50
				03/08/2022	4.3	0.050	0.50
				04/05/2022	3.8	0.049	0.49
				04/12/2022	4.1	0.050	0.50
				05/03/2022	3.5	0.049	0.49
				05/10/2022	3.6	0.049	0.49
				06/07/2022	3.7	0.049	0.49
				06/14/2022	4.0	0.049	0.49
				07/12/2022	3.5	0.049	0.50
				07/19/2022	3.8	0.050	0.50

				08/02/2022	4.2	0.049	0.49
				08/09/2022	4.3	0.049	0.49
				09/13/2022	4.0	0.049	0.50
				09/20/2022	4.3	0.050	0.50
				10/04/2022	4.5	0.050	0.50
				10/11/2022	4.1	0.050	0.50
				11/01/2022	4.0	0.049	0.49
				11/09/2022	3.9	0.049	0.49
				12/06/2022	3.9	0.050	0.50
				12/13/2022	3.2	0.049	0.49
				Annual Mean	3.8		
				Annual Max	4.5		
		EPA 6010C	mg/kg	Plant 2 Dewatering Cake	01/25/2022	3.9	0.050	0.50
					02/01/2022	4.5	0.049	0.49
					02/08/2022	5.0	0.049	0.49
					03/01/2022	4.1	0.049	0.49
					03/08/2022	3.3	0.050	0.50
					04/05/2022	5.7	0.049	0.49
					04/12/2022	5.3	0.049	0.49
					05/03/2022	5.1	0.049	0.50
					05/10/2022	5.7	0.050	0.50
					06/07/2022	5.0	0.049	0.49
					06/14/2022	5.8	0.049	0.49
					07/12/2022	4.8	0.049	0.49
					07/19/2022	3.4	0.049	0.49
					08/02/2022	6.0	0.050	0.50
					08/09/2022	5.2	0.049	0.49
					09/13/2022	4.6	0.049	0.50
					09/20/2022	4.8	0.050	0.50
					10/04/2022	5.4	0.049	0.49
					10/11/2022	4.0	0.050	0.50
					11/01/2022	4.3	0.049	0.49
					11/09/2022	3.2	0.049	0.49
					12/06/2022	4.8	0.049	0.49
					12/13/2022	3.8	0.050	0.50
					Annual Mean	4.7		
					Annual Max	6.0		
	Nickel	EPA 6010C	mg/kg dry weight	Plant 1 Dewatering Cake	01/25/2022	27	0.61	2.2
					02/01/2022	19	0.43	1.5
					02/08/2022	27	0.59	2.1
					03/01/2022	27	0.60	2.1
					04/05/2022	29	0.59	2.1
					04/12/2022	28	0.59	2.1
					05/03/2022	28	0.56	2.0
					05/10/2022	26	0.56	2.0
					06/07/2022	28	0.57	2.0
					06/14/2022	31	0.56	2.0
					07/12/2022	27	0.58	2.1
					07/19/2022	28	0.56	2.0
					08/02/2022	28	0.56	2.0
					08/09/2022	31	0.57	2.0
					09/13/2022	31	0.59	2.1
					09/20/2022	31	0.56	2.0
					10/04/2022	29	0.57	2.0
					10/11/2022	36	0.58	2.1
					11/01/2022	31	0.55	1.9
					11/09/2022	29	0.55	1.9
					12/06/2022	27	0.56	2.0
					12/13/2022	27	0.56	2.0
					Annual Mean	28		
					Annual Max	36		
		EPA 6010C	mg/kg dry	Plant 2	01/25/2022	27	0.51	1.8

			weight	Dewatering Cake	02/01/2022	26	0.49	1.7
					02/08/2022	29	0.54	1.9
					03/01/2022	30	0.55	1.9
					04/05/2022	28	0.51	1.8
					04/12/2022	27	0.53	1.9
					05/03/2022	26	0.50	1.8
					05/10/2022	25	0.49	1.8
					06/07/2022	24	0.49	1.7
					06/14/2022	25	0.49	1.7
					07/12/2022	27	0.49	1.7
					07/19/2022	20	0.49	1.7
					08/02/2022	30	0.51	1.8
					08/09/2022	29	0.50	1.7
					09/13/2022	23	0.51	1.8
					09/20/2022	24	0.50	1.8
					10/04/2022	25	0.51	1.8
					10/11/2022	23	0.54	1.9
					11/01/2022	24	0.52	1.8
					11/09/2022	21	0.60	2.1
					12/06/2022	24	0.52	1.8
					12/13/2022	22	0.49	1.8
					Annual Mean	25		
					Annual Max	30		
	Nickel wet weight	EPA 6010C	mg/kg	Plant 1 Dewatering Cake	01/25/2022	6.2	0.14	0.50
					02/01/2022	6.3	0.14	0.49
					02/08/2022	6.3	0.14	0.50
					03/01/2022	6.4	0.14	0.50
					03/08/2022	8.1	0.14	0.50
					04/05/2022	6.9	0.14	0.49
					04/12/2022	6.6	0.14	0.50
					05/03/2022	6.9	0.14	0.49
					05/10/2022	6.5	0.14	0.49
					06/07/2022	7.0	0.14	0.49
					06/14/2022	7.6	0.14	0.49
					07/12/2022	6.6	0.14	0.50
					07/19/2022	7.1	0.14	0.50
					08/02/2022	7.1	0.14	0.49
					08/09/2022	7.7	0.14	0.49
					09/13/2022	7.2	0.14	0.50
					09/20/2022	7.7	0.14	0.50
					10/04/2022	7.1	0.14	0.50
					10/11/2022	8.7	0.14	0.50
					11/01/2022	7.9	0.14	0.49
					11/09/2022	7.3	0.14	0.49
					12/06/2022	6.8	0.14	0.50
					12/13/2022	6.8	0.14	0.49
					Annual Mean	7.1		
					Annual Max	8.7		
		EPA 6010C	mg/kg	Plant 2 Dewatering Cake	01/25/2022	7.4	0.14	0.50
					02/01/2022	7.6	0.14	0.49
					02/08/2022	7.6	0.14	0.49
					03/01/2022	7.7	0.14	0.49
					03/08/2022	7.4	0.14	0.50
					04/05/2022	7.7	0.14	0.49
					04/12/2022	7.1	0.14	0.49
					05/03/2022	7.4	0.14	0.50
					05/10/2022	7.2	0.14	0.50
					06/07/2022	6.7	0.14	0.49
					06/14/2022	7.2	0.14	0.49
					07/12/2022	7.8	0.14	0.49
					07/19/2022	5.8	0.14	0.49
					08/02/2022	8.2	0.14	0.50

				08/09/2022	8.1	0.14	0.49
				09/13/2022	6.3	0.14	0.50
				09/20/2022	6.8	0.14	0.50
				10/04/2022	6.8	0.14	0.49
				10/11/2022	6.0	0.14	0.50
				11/01/2022	6.4	0.14	0.49
				11/09/2022	4.8	0.14	0.49
				12/06/2022	6.5	0.14	0.49
				12/13/2022	6.3	0.14	0.50
				Annual Mean	7.0		
				Annual Max	8.2		
	Selenium	EPA 6010C	mg/kg dry weight	Plant 1 Dewatering Cake	01/25/2022	11	1.1	2.2
					02/01/2022	6.2	0.74	1.5
					02/08/2022	7.2	1.1	2.1
					03/01/2022	7.7	1.1	2.1
					04/05/2022	8.0	1.0	2.1
					04/12/2022	9.3	1.1	2.1
					05/03/2022	8.1	0.97	2.0
					05/10/2022	6.8	0.96	2.0
					06/07/2022	6.5	0.97	2.0
					06/14/2022	7.7	0.97	2.0
					07/12/2022	8.2	1.0	2.1
					07/19/2022	7.6	1.0	2.0
					08/02/2022	7.6	0.96	2.0
					08/09/2022	8.1	0.97	2.0
					09/13/2022	9.3	1.1	2.1
					09/20/2022	10	1.0	2.0
					10/04/2022	6.5	1.0	2.0
					10/11/2022	8.3	1.0	2.1
					11/01/2022	8.6	0.94	1.9
					11/09/2022	9.0	0.94	1.9
					12/06/2022	7.3	1.0	2.0
					12/13/2022	9.2	0.96	2.0
					Annual Mean	8.1		
					Annual Max	11		
		EPA 6010C	mg/kg dry weight	Plant 2 Dewatering Cake	01/25/2022	11	0.92	1.8
					02/01/2022	9.8	0.84	1.7
					02/08/2022	9.7	0.93	1.9
					03/01/2022	8.6	0.94	1.9
					04/05/2022	9.1	0.88	1.8
					04/12/2022	9.1	0.91	1.9
					05/03/2022	9.9	0.89	1.8
					05/10/2022	7.8	0.88	1.8
					06/07/2022	8.5	0.85	1.7
					06/14/2022	8.8	0.85	1.7
					07/12/2022	9.5	0.84	1.7
					07/19/2022	6.7	0.85	1.7
					08/02/2022	9.8	0.91	1.8
					08/09/2022	8.5	0.85	1.7
					09/13/2022	8.0	0.87	1.8
					09/20/2022	9.7	0.90	1.8
					10/04/2022	8.4	0.87	1.8
					10/11/2022	8.9	0.97	1.9
					11/01/2022	9.0	0.90	1.8
					11/09/2022	8.6	1.0	2.1
					12/06/2022	9.3	0.89	1.8
					12/13/2022	8.8	0.88	1.8
					Annual Mean	9.0		
					Annual Max	11		
	Selenium wet weight	EPA 6010C	mg/kg	Plant 1 Dewatering Cake	01/25/2022	2.5	0.25	0.50
					02/01/2022	2.0	0.24	0.49
					02/08/2022	1.7	0.25	0.50

				03/01/2022	1.8	0.25	0.50
				03/08/2022	2.3	0.25	0.50
				04/05/2022	1.9	0.24	0.49
				04/12/2022	2.2	0.25	0.50
				05/03/2022	2.0	0.24	0.49
				05/10/2022	1.7	0.24	0.49
				06/07/2022	1.6	0.24	0.49
				06/14/2022	1.9	0.24	0.49
				07/12/2022	2.0	0.25	0.50
				07/19/2022	1.9	0.25	0.50
				08/02/2022	1.9	0.24	0.49
				08/09/2022	2.0	0.24	0.49
				09/13/2022	2.2	0.25	0.50
				09/20/2022	2.5	0.25	0.50
				10/04/2022	1.6	0.25	0.50
				10/11/2022	2.0	0.25	0.50
				11/01/2022	2.2	0.24	0.49
				11/09/2022	2.3	0.24	0.49
				12/06/2022	1.8	0.25	0.50
				12/13/2022	2.3	0.24	0.49
				Annual Mean	2.0		
				Annual Max	2.5		
		EPA 6010C	mg/kg	Plant 2 Dewatering Cake	01/25/2022	2.9	0.25	0.50
					02/01/2022	2.8	0.24	0.49
					02/08/2022	2.5	0.24	0.49
					03/01/2022	2.2	0.24	0.49
					03/08/2022	1.9	0.25	0.50
					04/05/2022	2.5	0.24	0.49
					04/12/2022	2.4	0.24	0.49
					05/03/2022	2.8	0.25	0.50
					05/10/2022	2.2	0.25	0.50
					06/07/2022	2.4	0.24	0.49
					06/14/2022	2.5	0.24	0.49
					07/12/2022	2.7	0.24	0.49
					07/19/2022	1.9	0.24	0.49
					08/02/2022	2.7	0.25	0.50
					08/09/2022	2.4	0.24	0.49
					09/13/2022	2.2	0.24	0.50
					09/20/2022	2.7	0.25	0.50
					10/04/2022	2.3	0.24	0.49
					10/11/2022	2.3	0.25	0.50
					11/01/2022	2.4	0.24	0.49
					11/09/2022	2.0	0.24	0.49
					12/06/2022	2.5	0.24	0.49
					12/13/2022	2.5	0.25	0.50
					Annual Mean	2.4		
					Annual Max	2.9		
	Silver	EPA 6010C	mg/kg dry weight	Plant 1 Dewatering Cake	01/25/2022	2.1	0.052	1.7
					02/01/2022	1.9	0.037	1.2
					02/08/2022	3.2	0.051	1.7
					03/01/2022	2.3	0.051	1.7
					04/05/2022	2.6	0.050	1.6
					04/12/2022	2.8	0.051	1.7
					05/03/2022	2.7	0.048	1.6
					05/10/2022	2.2	0.048	1.6
					06/07/2022	1.9	0.049	1.6
					06/14/2022	2.5	0.048	1.6
					07/12/2022	2.3	0.049	1.6
					07/19/2022	2.9	0.048	1.6
					08/02/2022	3.1	0.048	1.6
					08/09/2022	3.1	0.049	1.6
					09/13/2022	2.8	0.051	1.7

				09/20/2022	2.6	0.048	1.6
				10/04/2022	3.5	0.049	1.6
				10/11/2022	2.7	0.050	1.7
				11/01/2022	3.2	0.047	1.6
				11/09/2022	2.4	0.047	1.5
				12/06/2022	3.0	0.048	1.6
				12/13/2022	2.8	0.048	1.6
				Annual Mean	2.7		
				Annual Max	3.5		
		EPA 6010C	mg/kg dry weight	Plant 2 Dewatering Cake	01/25/2022	1.9	0.044	1.5
					02/01/2022	2.7	0.042	1.4
					02/08/2022	2.3	0.046	1.5
					03/01/2022	1.6	0.047	1.5
					04/05/2022	1.9	0.044	1.4
					04/12/2022	1.8	0.045	1.5
					05/03/2022	1.5	0.043	1.4
					05/10/2022	1.9	0.042	1.4
					06/07/2022	1.1 DNQ	0.042	1.4
					06/14/2022	1.6	0.042	1.4
					07/12/2022	1.4	0.042	1.4
					07/19/2022	1.2 DNQ	0.042	1.4
					08/02/2022	2.1	0.043	1.4
					08/09/2022	1.6	0.043	1.4
					09/13/2022	1.5	0.044	1.5
					09/20/2022	0.86 DNQ	0.043	1.4
					10/04/2022	2.1	0.044	1.4
					10/11/2022	1.7	0.047	1.6
					11/01/2022	1.9	0.045	1.5
					11/09/2022	1.5 DNQ	0.052	1.7
					12/06/2022	2.2	0.044	1.4
					12/13/2022	2.2	0.042	1.4
					Annual Mean	1.8 DNQ		
					Annual Max	2.7		
	Silver wet weight	EPA 6010C	mg/kg	Plant 1 Dewatering Cake	01/25/2022	0.47	0.012	0.40
					02/01/2022	0.61	0.012	0.39
					02/08/2022	0.76	0.012	0.40
					03/01/2022	0.55	0.012	0.40
					03/08/2022	0.48	0.012	0.40
					04/05/2022	0.62	0.012	0.39
					04/12/2022	0.67	0.012	0.40
					05/03/2022	0.67	0.012	0.39
					05/10/2022	0.56	0.012	0.39
					06/07/2022	0.46	0.012	0.39
					06/14/2022	0.61	0.012	0.39
					07/12/2022	0.55	0.012	0.40
					07/19/2022	0.73	0.012	0.40
					08/02/2022	0.78	0.012	0.39
					08/09/2022	0.77	0.012	0.39
					09/13/2022	0.67	0.012	0.40
					09/20/2022	0.64	0.012	0.40
					10/04/2022	0.86	0.012	0.40
					10/11/2022	0.65	0.012	0.40
					11/01/2022	0.82	0.012	0.40
					11/09/2022	0.61	0.012	0.39
					12/06/2022	0.74	0.012	0.40
					12/13/2022	0.69	0.012	0.39
					Annual Mean	0.65		
					Annual Max	0.86		
		EPA 6010C	mg/kg	Plant 2 Dewatering Cake	01/25/2022	0.53	0.012	0.40
					02/01/2022	0.78	0.012	0.39
					02/08/2022	0.60	0.012	0.39
					03/01/2022	0.42	0.012	0.39

				03/08/2022	0.64	0.012	0.40
				04/05/2022	0.51	0.012	0.39
				04/12/2022	0.47	0.012	0.39
				05/03/2022	0.43	0.012	0.40
				05/10/2022	0.54	0.012	0.40
				06/07/2022	0.30 DNQ	0.012	0.39
				06/14/2022	0.44	0.012	0.39
				07/12/2022	0.41	0.012	0.39
				07/19/2022	0.35 DNQ	0.012	0.40
				08/02/2022	0.59	0.012	0.40
				08/09/2022	0.46	0.012	0.39
				09/13/2022	0.41	0.012	0.40
				09/20/2022	0.24 DNQ	0.012	0.40
				10/04/2022	0.58	0.012	0.39
				10/11/2022	0.44	0.012	0.40
				11/01/2022	0.50	0.012	0.39
				11/09/2022	0.35 DNQ	0.012	0.40
				12/06/2022	0.60	0.012	0.39
				12/13/2022	0.63	0.012	0.40
				Annual Mean	0.49 DNQ		
				Annual Max	0.78		
Thallium	EPA 6010C	mg/kg dry weight	Plant 1 Dewatering Cake	07/12/2022	ND	0.49	1.0
				Annual Mean	<0.49		
				Annual Max	<0.49		
	EPA 6010C	mg/kg dry weight	Plant 2 Dewatering Cake	07/12/2022	1.4	0.42	0.84
				Annual Mean	1.4		
				Annual Max	1.4		
Thallium wet weight	EPA 6010C	mg/kg	Plant 1 Dewatering Cake	07/12/2022	ND	0.12	0.25
				Annual Mean	<0.12		
				Annual Max	<0.12		
	EPA 6010C	mg/kg	Plant 2 Dewatering Cake	07/12/2022	0.41	0.12	0.24
				Annual Mean	0.41		
				Annual Max	0.41		
Vanadium	EPA 6010C	mg/kg dry weight	Plant 1 Dewatering Cake	07/12/2022	66	0.11	1.0
				Annual Mean	66		
				Annual Max	66		
	EPA 6010C	mg/kg dry weight	Plant 2 Dewatering Cake	07/12/2022	140	0.091	0.84
				Annual Mean	140		
				Annual Max	140		
Vanadium wet weight	EPA 6010C	mg/kg	Plant 1 Dewatering Cake	07/12/2022	16	0.027	0.25
				Annual Mean	16		
				Annual Max	16		
	EPA 6010C	mg/kg	Plant 2 Dewatering Cake	07/12/2022	40	0.026	0.24
				Annual Mean	40		
				Annual Max	40		
Zinc	EPA 6010C	mg/kg dry weight	Plant 1 Dewatering Cake	01/25/2022	830	3.8	22
				02/01/2022	550	2.6	15
				02/08/2022	800	3.6	21
				03/01/2022	810	3.7	21
				04/05/2022	800	3.5	21
				04/12/2022	800	3.6	21
				05/03/2022	770	3.4	20
				05/10/2022	720	3.3	20
				06/07/2022	730	3.4	20
				06/14/2022	810	3.3	20
				07/12/2022	740	3.5	21
				07/19/2022	840	3.4	20
				08/02/2022	800	3.3	20
				08/09/2022	850	3.4	20
				09/13/2022	760	3.6	21
				09/20/2022	880	3.4	20
				10/04/2022	810	3.4	20

				10/11/2022	790	3.5	21
				11/01/2022	780	3.3	19
				11/09/2022	750	3.3	19
				12/06/2022	770	3.4	20
				12/13/2022	760	3.4	20
				Annual Mean	780		
				Annual Max	880		
		EPA 6010C	mg/kg dry weight	Plant 2 Dewatering Cake	01/25/2022	660	3.1	18
					02/01/2022	660	2.9	17
					02/08/2022	730	3.2	19
					03/01/2022	700	3.3	19
					04/05/2022	660	3.1	18
					04/12/2022	680	3.2	19
					05/03/2022	670	3.0	18
					05/10/2022	640	3.0	18
					06/07/2022	630	3.0	17
					06/14/2022	710	3.0	17
					07/12/2022	700	2.9	17
					07/19/2022	530	3.0	17
					08/02/2022	800	3.1	18
					08/09/2022	740	3.0	17
					09/13/2022	620	3.1	18
					09/20/2022	720	3.0	18
					10/04/2022	730	3.1	18
					10/11/2022	660	3.3	19
					11/01/2022	670	3.1	18
					11/09/2022	600	3.7	21
					12/06/2022	700	3.1	18
					12/13/2022	670	3.0	18
					Annual Mean	680		
					Annual Max	800		
	Zinc wet weight	EPA 6010C	mg/kg	Plant 1 Dewatering Cake	01/25/2022	190	0.86	5.0
					02/01/2022	180	0.84	4.9
					02/08/2022	190	0.85	5.0
					03/01/2022	190	0.86	5.0
					03/08/2022	180	0.86	5.0
					04/05/2022	190	0.84	4.9
					04/12/2022	190	0.86	5.0
					05/03/2022	190	0.84	4.9
					05/10/2022	180	0.84	4.9
					06/07/2022	180	0.84	4.9
					06/14/2022	200	0.83	4.9
					07/12/2022	180	0.85	5.0
					07/19/2022	210	0.85	5.0
					08/02/2022	200	0.84	4.9
					08/09/2022	210	0.84	4.9
					09/13/2022	180	0.85	5.0
					09/20/2022	220	0.85	5.0
					10/04/2022	200	0.85	5.0
					10/11/2022	190	0.85	5.0
					11/01/2022	200	0.85	4.9
					11/09/2022	190	0.84	4.9
					12/06/2022	190	0.85	5.0
					12/13/2022	190	0.84	4.9
					Annual Mean	190		
					Annual Max	220		
		EPA 6010C	mg/kg	Plant 2 Dewatering Cake	01/25/2022	180	0.85	5.0
					02/01/2022	190	0.84	4.9
					02/08/2022	190	0.84	4.9
					03/01/2022	180	0.84	4.9
					03/08/2022	190	0.85	5.0
					04/05/2022	180	0.84	4.9

					04/12/2022	180	0.84	4.9
					05/03/2022	190	0.85	5.0
					05/10/2022	180	0.85	5.0
					06/07/2022	180	0.84	4.9
					06/14/2022	200	0.84	4.9
					07/12/2022	200	0.84	4.9
					07/19/2022	150	0.85	4.9
					08/02/2022	220	0.85	5.0
					08/09/2022	210	0.84	4.9
					09/13/2022	170	0.85	5.0
					09/20/2022	200	0.85	5.0
					10/04/2022	200	0.85	4.9
					10/11/2022	170	0.85	5.0
					11/01/2022	180	0.84	4.9
					11/09/2022	140	0.85	4.9
					12/06/2022	190	0.83	4.9
					12/13/2022	190	0.85	5.0
					Annual Mean	190		
					Annual Max	220		
Volatile Organic Compounds	1,1,1,2-Tetrachloroethane	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	71	1700
					01/25/2022	ND	61	740
					Annual Mean	<71		
					Annual Max	<71		
		EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/25/2022	ND	55	620
					Annual Mean	<55		
					Annual Max	<55		
	1,1,1,2-Tetrachloroethane wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	17	410
					01/25/2022	ND	14	170
					Annual Mean	<17		
					Annual Max	<17		
		EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	15	350
					01/25/2022	ND	15	170
					Annual Mean	<15		
					Annual Max	<15		
	1,1,1-Trichloroethane	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	67	670
					01/25/2022	ND	200	740
					Annual Mean	<200		
					Annual Max	<200		
		EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/25/2022	ND	170	620
					Annual Mean	<170		
					Annual Max	<170		
	1,1,1-Trichloroethane wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	16	160
					01/25/2022	ND	46	170
					Annual Mean	<46		
					Annual Max	<46		
		EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	13	140
					01/25/2022	ND	46	170
					Annual Mean	<46		
					Annual Max	<46		
	1,1,2,2-Tetrachloroethane	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	120	670
					01/25/2022	ND	87	740
					Annual Mean	<120		
					Annual Max	<120		
		EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/25/2022	ND	73	620
					Annual Mean	<73		
					Annual Max	<73		
	1,1,2,2-Tetrachloroethane wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	29	160
					01/25/2022	ND	20	170
					Annual Mean	<29		
					Annual Max	<29		
		EPA 8260B	µg/kg	Plant 2 Dewatering	01/04/2022	ND	25	140
					01/25/2022	ND	20	170

			Cake	Annual Mean	<25		
				Annual Max	<25		
1,1,2-Trichloroethane	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	84	670
				01/25/2022	ND	83	740
				Annual Mean	<84		
				Annual Max	<84		
	EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/25/2022	ND	70	620
				Annual Mean	<70		
				Annual Max	<70		
1,1,2-Trichloroethane wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	20	160
				01/25/2022	ND	19	170
				Annual Mean	<20		
				Annual Max	<20		
	EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	17	140
				01/25/2022	ND	19	170
				Annual Mean	<19		
				Annual Max	<19		
1,1-Dichloroethane	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	80	670
				01/25/2022	ND	150	740
				Annual Mean	<150		
				Annual Max	<150		
	EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/25/2022	ND	130	620
				Annual Mean	<130		
				Annual Max	<130		
1,1-Dichloroethane wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	19	160
				01/25/2022	ND	35	170
				Annual Mean	<35		
				Annual Max	<35		
	EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	16	140
				01/25/2022	ND	35	170
				Annual Mean	<35		
				Annual Max	<35		
1,1-Dichloroethene	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	160	1700
				01/25/2022	ND	150	740
				Annual Mean	<160		
				Annual Max	<160		
	EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/25/2022	ND	130	620
				Annual Mean	<130		
				Annual Max	<130		
1,1-Dichloroethene wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	39	410
				01/25/2022	ND	35	170
				Annual Mean	<39		
				Annual Max	<39		
	EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	33	350
				01/25/2022	ND	35	170
				Annual Mean	<35		
				Annual Max	<35		
1,1-Dichloropropene	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	80	670
				01/25/2022	ND	140	740
				Annual Mean	<140		
				Annual Max	<140		
	EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/25/2022	ND	120	620
				Annual Mean	<120		
				Annual Max	<120		
1,1-Dichloropropene wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	19	160
				01/25/2022	ND	33	170
				Annual Mean	<33		
				Annual Max	<33		
	EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	16	140
				01/25/2022	ND	33	170
				Annual Mean	<33		
				Annual Max	<33		

Appendix C: Summary of Biosolids Monitoring Results

1,2,3-Trichlorobenzene	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	880	1700
				01/25/2022	ND	240	740
				Annual Mean	<880		
				Annual Max	<880		
	EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/25/2022	ND	210	620
				Annual Mean	<210		
				Annual Max	<210		
1,2,3-Trichlorobenzene wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	210	410
				01/25/2022	ND	55	170
				Annual Mean	<210		
				Annual Max	<210		
	EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	180	350
				01/25/2022	ND	56	170
				Annual Mean	<180		
				Annual Max	<180		
1,2,3-Trichloropropane	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	130	670
				01/25/2022	ND	140	740
				Annual Mean	<140		
				Annual Max	<140		
	EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/25/2022	ND	120	620
				Annual Mean	<120		
				Annual Max	<120		
1,2,3-Trichloropropane wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	31	160
				01/25/2022	ND	32	170
				Annual Mean	<32		
				Annual Max	<32		
	EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	26	140
				01/25/2022	ND	33	170
				Annual Mean	<33		
				Annual Max	<33		
1,2,4-Trichlorobenzene	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	350	1700
				01/25/2022	ND	140	740
				Annual Mean	<350		
				Annual Max	<350		
	EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/25/2022	ND	120	620
				Annual Mean	<120		
				Annual Max	<120		
1,2,4-Trichlorobenzene wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	83	410
				01/25/2022	ND	32	170
				Annual Mean	<83		
				Annual Max	<83		
	EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	71	350
				01/25/2022	ND	33	170
				Annual Mean	<71		
				Annual Max	<71		
1,2,4-Trimethylbenzene	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	220	670
				01/25/2022	96 DNQ	92	740
				Annual Mean	160 DNQ		
				Annual Max	96 DNQ		
	EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/25/2022	ND	81	620
				Annual Mean	<81		
				Annual Max	<81		
1,2,4-Trimethylbenzene wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	53	160
				01/25/2022	22 DNQ	21	170
				Annual Mean	38 DNQ		
				Annual Max	22 DNQ		
	EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	45	140
				01/25/2022	ND	22	170
				Annual Mean	<45		
				Annual Max	<45		
1,2-Dibromo-3-	EPA 8260B	µg/kg dry	Plant 1 Dewatering	01/04/2022	ND	1100	1700
				01/25/2022	ND	260	1500

chloropropane			Cake	Annual Mean	<1100		
				Annual Max	<1100		
	EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/25/2022	ND	220	1300
				Annual Mean	<220		
				Annual Max	<220		
1,2-Dibromo-3-chloropropane wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	250	410
				01/25/2022	ND	59	340
				Annual Mean	<250		
				Annual Max	<250		
	EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	210	350
				01/25/2022	ND	60	350
				Annual Mean	<210		
				Annual Max	<210		
1,2-Dibromoethane	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	71	170
				01/25/2022	ND	170	740
				Annual Mean	<170		
				Annual Max	<170		
	EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/25/2022	ND	140	620
				Annual Mean	<140		
				Annual Max	<140		
1,2-Dibromoethane wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	17	41
				01/25/2022	ND	39	170
				Annual Mean	<39		
				Annual Max	<39		
	EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	14	35
				01/25/2022	ND	39	170
				Annual Mean	<39		
				Annual Max	<39		
1,2-Dichlorobenzene	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	88	670
				01/25/2022	ND	280	740
				Annual Mean	<280		
				Annual Max	<280		
	EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/25/2022	ND	240	620
				Annual Mean	<240		
				Annual Max	<240		
1,2-Dichlorobenzene wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	21	160
				01/25/2022	ND	65	170
				Annual Mean	<65		
				Annual Max	<65		
	EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	18	140
				01/25/2022	ND	65	170
				Annual Mean	<65		
				Annual Max	<65		
1,2-Dichloroethane	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	110	670
				01/25/2022	ND	74	740
				Annual Mean	<110		
				Annual Max	<110		
	EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/25/2022	ND	62	620
				Annual Mean	<62		
				Annual Max	<62		
1,2-Dichloroethane wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	25	160
				01/25/2022	ND	17	170
				Annual Mean	<25		
				Annual Max	<25		
	EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	21	140
				01/25/2022	ND	17	170
				Annual Mean	<21		
				Annual Max	<21		
1,2-Dichloropropane	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	97	670
				01/25/2022	ND	140	740
				Annual Mean	<140		
				Annual Max	<140		

	EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/25/2022	ND	120	620
				Annual Mean	<120		
				Annual Max	<120		
1,2-Dichloropropane wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	23	160
				01/25/2022	ND	32	170
				Annual Mean	<32		
				Annual Max	<32		
	EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	20	140
				01/25/2022	ND	32	170
				Annual Mean	<32		
				Annual Max	<32		
1,3,5-Trichlorobenzene	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/25/2022	ND	48	740
				Annual Mean	<48		
				Annual Max	<48		
	EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/25/2022	ND	40	620
				Annual Mean	<40		
				Annual Max	<40		
1,3,5-Trichlorobenzene wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/25/2022	ND	11	170
				Annual Mean	<11		
				Annual Max	<11		
	EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/25/2022	ND	11	170
				Annual Mean	<11		
				Annual Max	<11		
1,3,5-Trimethylbenzene	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	120	670
				01/25/2022	ND	120	740
				Annual Mean	<120		
				Annual Max	<120		
	EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/25/2022	ND	99	620
				Annual Mean	<99		
				Annual Max	<99		
1,3,5-Trimethylbenzene wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	29	160
				01/25/2022	ND	27	170
				Annual Mean	<29		
				Annual Max	<29		
	EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	25	140
				01/25/2022	ND	27	170
				Annual Mean	<27		
				Annual Max	<27		
1,3-Dichlorobenzene	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	92	670
				01/25/2022	ND	120	740
				Annual Mean	<120		
				Annual Max	<120		
	EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/25/2022	ND	100	620
				Annual Mean	<100		
				Annual Max	<100		
1,3-Dichlorobenzene wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	22	160
				01/25/2022	ND	28	170
				Annual Mean	<28		
				Annual Max	<28		
	EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	18	140
				01/25/2022	ND	28	170
				Annual Mean	<28		
				Annual Max	<28		
1,3-Dichloropropane	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	80	670
				01/25/2022	ND	83	740
				Annual Mean	<83		
				Annual Max	<83		
	EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/25/2022	ND	70	620
				Annual Mean	<70		
				Annual Max	<70		
1,3-Dichloroprop	EPA 8260B	µg/kg	Plant 1 Dewatering	01/04/2022	ND	19	160
				01/25/2022	ND	19	170

ane wet weight			Cake	Annual Mean	<19		
				Annual Max	<19		
	EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	16	140
				01/25/2022	ND	19	170
				Annual Mean	<19		
				Annual Max	<19		
1,4-Dichlorobenzene	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	84	670
				01/25/2022	ND	74	740
				Annual Mean	<84		
				Annual Max	<84		
	EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/25/2022	ND	62	620
				Annual Mean	<62		
				Annual Max	<62		
1,4-Dichlorobenzene wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	20	160
				01/25/2022	ND	17	170
				Annual Mean	<20		
				Annual Max	<20		
	EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	17	140
				01/25/2022	ND	17	170
				Annual Mean	<17		
				Annual Max	<17		
2,2-Dichloropropane	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	140	670
				01/25/2022	ND	180	740
				Annual Mean	<180		
				Annual Max	<180		
	EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/25/2022	ND	150	620
				Annual Mean	<150		
				Annual Max	<150		
2,2-Dichloropropane wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	33	160
				01/25/2022	ND	42	170
				Annual Mean	<42		
				Annual Max	<42		
	EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	29	140
				01/25/2022	ND	42	170
				Annual Mean	<42		
				Annual Max	<42		
2-Chlorotoluene	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	80	1700
				01/25/2022	ND	79	740
				Annual Mean	<80		
				Annual Max	<80		
	EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/25/2022	ND	66	620
				Annual Mean	<66		
				Annual Max	<66		
2-Chlorotoluene wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	19	410
				01/25/2022	ND	18	170
				Annual Mean	<19		
				Annual Max	<19		
	EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	17	350
				01/25/2022	ND	18	170
				Annual Mean	<18		
				Annual Max	<18		
2-Hexanone wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	230	810
				01/25/2022	ND	150	690
				Annual Mean	<230		
				Annual Max	<230		
	EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	200	700
				01/25/2022	ND	150	700
				Annual Mean	<200		
				Annual Max	<200		
4-Chlorotoluene	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	140	1700
				01/25/2022	ND	70	740
				Annual Mean	<140		

				Annual Max	<140		
	EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/25/2022	ND	59	620
				Annual Mean	<59		
				Annual Max	<59		
4-Chlorotoluene wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	34	410
				01/25/2022	ND	16	170
				Annual Mean	<34		
				Annual Max	<34		
	EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	29	350
				01/25/2022	ND	16	170
				Annual Mean	<29		
				Annual Max	<29		
Acrolein	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/25/2022	ND	3400	15000
				Annual Mean	<3400		
				Annual Max	<3400		
	EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/25/2022	ND	2900	13000
				Annual Mean	<2900		
				Annual Max	<2900		
Acrolein wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/25/2022	ND	790	3400
				Annual Mean	<790		
				Annual Max	<790		
	EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/25/2022	ND	800	3500
				Annual Mean	<800		
				Annual Max	<800		
Acrylonitrile	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/25/2022	ND	790	15000
				Annual Mean	<790		
				Annual Max	<790		
	EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/25/2022	ND	660	13000
				Annual Mean	<660		
				Annual Max	<660		
Acrylonitrile wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/25/2022	ND	180	3400
				Annual Mean	<180		
				Annual Max	<180		
	EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/25/2022	ND	180	3500
				Annual Mean	<180		
				Annual Max	<180		
Benzene	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	92	340
				01/25/2022	ND	140	740
				Annual Mean	<140		
				Annual Max	<140		
	EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/25/2022	ND	110	620
				Annual Mean	<110		
				Annual Max	<110		
Benzene wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	22	81
				01/25/2022	ND	31	170
				Annual Mean	<31		
				Annual Max	<31		
	EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	19	70
				01/25/2022	ND	31	170
				Annual Mean	<31		
				Annual Max	<31		
Bromobenzene	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	97	1700
				01/25/2022	ND	57	740
				Annual Mean	<97		
				Annual Max	<97		
	EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/25/2022	ND	48	620
				Annual Mean	<48		
				Annual Max	<48		
Bromobenzene wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	23	410
				01/25/2022	ND	13	170
				Annual Mean	<23		
				Annual Max	<23		

	EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	19	350
				01/25/2022	ND	13	170
				Annual Mean	<19		
				Annual Max	<19		
Bromochloromethane	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	100	1700
				01/25/2022	ND	140	740
				Annual Mean	<140		
				Annual Max	<140		
	EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/25/2022	ND	120	620
				Annual Mean	<120		
				Annual Max	<120		
Bromochloromethane wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	24	410
				01/25/2022	ND	32	170
				Annual Mean	<32		
				Annual Max	<32		
	EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	21	350
				01/25/2022	ND	33	170
				Annual Mean	<33		
				Annual Max	<33		
Bromodichloromethane	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	80	670
				01/25/2022	ND	280	740
				Annual Mean	<280		
				Annual Max	<280		
	EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/25/2022	ND	240	620
				Annual Mean	<240		
				Annual Max	<240		
Bromodichloromethane wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	19	160
				01/25/2022	ND	65	170
				Annual Mean	<65		
				Annual Max	<65		
	EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	16	140
				01/25/2022	ND	66	170
				Annual Mean	<66		
				Annual Max	<66		
Bromoform	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	97	1700
				01/25/2022	ND	480	740
				Annual Mean	<480		
				Annual Max	<480		
	EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/25/2022	ND	400	620
				Annual Mean	<400		
				Annual Max	<400		
Bromoform wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	23	410
				01/25/2022	ND	110	170
				Annual Mean	<110		
				Annual Max	<110		
	EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	20	350
				01/25/2022	ND	110	170
				Annual Mean	<110		
				Annual Max	<110		
Bromomethane	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	1400	3400
				01/25/2022	ND	140	1500
				Annual Mean	<1400		
				Annual Max	<1400		
	EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/25/2022	ND	120	1300
				Annual Mean	<120		
				Annual Max	<120		
Bromomethane wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	330	810
				01/25/2022	ND	32	340
				Annual Mean	<330		
				Annual Max	<330		
	EPA 8260B	µg/kg	Plant 2 Dewatering	01/04/2022	ND	280	700
				01/25/2022	ND	33	350

			Cake	Annual Mean	<280		
				Annual Max	<280		
Carbon tetrachloride	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	63	1700
				01/25/2022	ND	52	740
				Annual Mean	<63		
				Annual Max	<63		
	EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/25/2022	ND	44	620
				Annual Mean	<44		
				Annual Max	<44		
Carbon tetrachloride wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	15	410
				01/25/2022	ND	12	170
				Annual Mean	<15		
				Annual Max	<15		
	EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	12	350
				01/25/2022	ND	12	170
				Annual Mean	<12		
				Annual Max	<12		
Chlorobenzene	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	84	340
				01/25/2022	ND	39	740
				Annual Mean	<84		
				Annual Max	<84		
	EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/25/2022	ND	33	620
				Annual Mean	<33		
				Annual Max	<33		
Chlorobenzene wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	20	81
				01/25/2022	ND	9.0	170
				Annual Mean	<20		
				Annual Max	<20		
	EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	17	70
				01/25/2022	ND	9.1	170
				Annual Mean	<17		
				Annual Max	<17		
Chloroethane	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	220	1700
				01/25/2022	ND	520	1500
				Annual Mean	<520		
				Annual Max	<520		
	EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/25/2022	ND	440	1300
				Annual Mean	<440		
				Annual Max	<440		
Chloroethane wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	52	410
				01/25/2022	ND	120	340
				Annual Mean	<120		
				Annual Max	<120		
	EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	45	350
				01/25/2022	ND	120	350
				Annual Mean	<120		
				Annual Max	<120		
Chloroform	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	71	670
				01/25/2022	ND	140	740
				Annual Mean	<140		
				Annual Max	<140		
	EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/25/2022	ND	120	620
				Annual Mean	<120		
				Annual Max	<120		
Chloroform wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	17	160
				01/25/2022	ND	32	170
				Annual Mean	<32		
				Annual Max	<32		
	EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	15	140
				01/25/2022	ND	32	170
				Annual Mean	<32		
				Annual Max	<32		

Chloromethane	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	170	1700
				01/25/2022	ND	150	1500
				Annual Mean	<170		
				Annual Max	<170		
	EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/25/2022	ND	130	1300
				Annual Mean	<130		
				Annual Max	<130		
Chloromethane wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	41	410
				01/25/2022	ND	34	340
				Annual Mean	<41		
				Annual Max	<41		
	EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	35	350
				01/25/2022	ND	35	350
				Annual Mean	<35		
				Annual Max	<35		
cis-1,2-Dichloroethene	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	130	670
				01/25/2022	ND	66	380
				Annual Mean	<130		
				Annual Max	<130		
	EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/25/2022	ND	55	320
				Annual Mean	<55		
				Annual Max	<55		
cis-1,2-Dichloroethene wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	31	160
				01/25/2022	ND	15	86
				Annual Mean	<31		
				Annual Max	<31		
	EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	27	140
				01/25/2022	ND	15	87
				Annual Mean	<27		
				Annual Max	<27		
cis-1,3-Dichloropropene	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	71	670
				01/25/2022	ND	360	920
				Annual Mean	<360		
				Annual Max	<360		
	EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/25/2022	ND	300	770
				Annual Mean	<300		
				Annual Max	<300		
cis-1,3-Dichloropropene wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	17	160
				01/25/2022	ND	82	210
				Annual Mean	<82		
				Annual Max	<82		
	EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	14	140
				01/25/2022	ND	83	210
				Annual Mean	<83		
				Annual Max	<83		
Dibromochloromethane	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	80	670
				01/25/2022	ND	100	740
				Annual Mean	<100		
				Annual Max	<100		
	EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/25/2022	ND	84	620
				Annual Mean	<84		
				Annual Max	<84		
Dibromochloromethane wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	19	160
				01/25/2022	ND	23	170
				Annual Mean	<23		
				Annual Max	<23		
	EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/04/2022	37 DNQ	16	140
				01/25/2022	ND	23	170
				Annual Mean	30 DNQ		
				Annual Max	37 DNQ		
Dibromomethane	EPA 8260B	µg/kg dry	Plant 1 Dewatering	01/04/2022	ND	92	670
				01/25/2022	ND	92	740

			Cake	Annual Mean	<92		
				Annual Max	<92		
	EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/25/2022	ND	77	620
				Annual Mean	<77		
				Annual Max	<77		
Dibromomethane wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	22	160
				01/25/2022	ND	21	170
				Annual Mean	<22		
				Annual Max	<22		
	EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	19	140
				01/25/2022	ND	21	170
				Annual Mean	<21		
				Annual Max	<21		
Dichlorodifluoromethane	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	140	1700
				01/25/2022	ND	200	1500
				Annual Mean	<200		
				Annual Max	<200		
	EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/25/2022	ND	170	1300
				Annual Mean	<170		
				Annual Max	<170		
Dichlorodifluoromethane wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	33	410
				01/25/2022	ND	45	340
				Annual Mean	<45		
				Annual Max	<45		
	EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	28	350
				01/25/2022	ND	46	350
				Annual Mean	<46		
				Annual Max	<46		
Ethylbenzene	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	97	670
				01/25/2022	ND	100	740
				Annual Mean	<100		
				Annual Max	<100		
	EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/25/2022	ND	88	620
				Annual Mean	<88		
				Annual Max	<88		
Ethylbenzene wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	23	160
				01/25/2022	ND	23	170
				Annual Mean	<23		
				Annual Max	<23		
	EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	20	140
				01/25/2022	ND	24	170
				Annual Mean	<24		
				Annual Max	<24		
Hexachlorobutadiene	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	230 DNQ	160	1700
				01/25/2022	ND	150	740
				Annual Mean	190 DNQ		
				Annual Max	230 DNQ		
	EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/25/2022	ND	120	620
				Annual Mean	<120		
				Annual Max	<120		
Hexachlorobutadiene wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/04/2022	55 DNQ	38	410
				01/25/2022	ND	34	170
				Annual Mean	44 DNQ		
				Annual Max	55 DNQ		
	EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/04/2022	33 DNQ	32	350
				01/25/2022	ND	34	170
				Annual Mean	34 DNQ		
				Annual Max	33 DNQ		
Isobutyl alcohol	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/25/2022	ND	4400	30000
				Annual Mean	<4400		
				Annual Max	<4400		
	EPA 8260B	µg/kg dry	Plant 2	01/25/2022	ND	3700	26000

			Dewatering Cake	Annual Mean	<3700		
				Annual Max	<3700		
Isobutyl alcohol wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/25/2022	ND	1000	6900
				Annual Mean	<1000		
				Annual Max	<1000		
	EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/25/2022	ND	1000	7000
				Annual Mean	<1000		
				Annual Max	<1000		
Isopropylbenzene	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	110	670
				01/25/2022	ND	87	740
				Annual Mean	<110		
				Annual Max	<110		
	EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/25/2022	ND	73	620
				Annual Mean	<73		
				Annual Max	<73		
Isopropylbenzene wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	25	160
				01/25/2022	ND	20	170
				Annual Mean	<25		
				Annual Max	<25		
	EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	22	140
				01/25/2022	ND	20	170
				Annual Mean	<22		
				Annual Max	<22		
m,p-Xylenes	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	210	1000
				01/25/2022	ND	240	740
				Annual Mean	<240		
				Annual Max	<240		
	EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/25/2022	ND	200	620
				Annual Mean	<200		
				Annual Max	<200		
m,p-Xylenes wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	49	240
				01/25/2022	ND	54	170
				Annual Mean	<54		
				Annual Max	<54		
	EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	42	210
				01/25/2022	ND	54	170
				Annual Mean	<54		
				Annual Max	<54		
Methyl ethyl ketone	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	3500	6700
				01/25/2022	ND	2300	6100
				Annual Mean	<3500		
				Annual Max	<3500		
	EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/25/2022	ND	1900	5100
				Annual Mean	<1900		
				Annual Max	<1900		
Methyl ethyl ketone wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	840	1600
				01/25/2022	ND	520	1400
				Annual Mean	<840		
				Annual Max	<840		
	EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	720	1400
				01/25/2022	ND	530	1400
				Annual Mean	<720		
				Annual Max	<720		
Methylene Chloride	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	1000	3400
				01/25/2022	ND	210	740
				Annual Mean	<1000		
				Annual Max	<1000		
	EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/25/2022	ND	180	620
				Annual Mean	<180		
				Annual Max	<180		
Methylene Chloride wet	EPA 8260B	µg/kg	Plant 1 Dewatering	01/04/2022	ND	240	810
				01/25/2022	ND	48	170

weight			Cake	Annual Mean	<240		
				Annual Max	<240		
	EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	210	700
				01/25/2022	ND	48	170
				Annual Mean	<210		
				Annual Max	<210		
MIBK	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	800	3400
				01/25/2022	ND	1800	3900
				Annual Mean	<1800		
				Annual Max	<1800		
	EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/25/2022	ND	1500	3300
				Annual Mean	<1500		
				Annual Max	<1500		
MIBK wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	190	810
				01/25/2022	ND	420	900
				Annual Mean	<420		
				Annual Max	<420		
	EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	160	700
				01/25/2022	ND	420	900
				Annual Mean	<420		
				Annual Max	<420		
Naphthalene	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/25/2022	ND	520	1500
				Annual Mean	<520		
				Annual Max	<520		
	EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/25/2022	ND	440	1300
				Annual Mean	<440		
				Annual Max	<440		
Naphthalene wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/25/2022	ND	120	340
				Annual Mean	<120		
				Annual Max	<120		
	EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/25/2022	ND	120	350
				Annual Mean	<120		
				Annual Max	<120		
n-Butylbenzene	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	110	1700
				01/25/2022	ND	240	740
				Annual Mean	<240		
				Annual Max	<240		
	EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/25/2022	ND	210	620
				Annual Mean	<210		
				Annual Max	<210		
n-Butylbenzene wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	26	410
				01/25/2022	ND	56	170
				Annual Mean	<56		
				Annual Max	<56		
	EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/04/2022	22 DNQ	22	350
				01/25/2022	ND	56	170
				Annual Mean	39 DNQ		
				Annual Max	22 DNQ		
n-Propylbenzene	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	120	670
				01/25/2022	ND	330	740
				Annual Mean	<330		
				Annual Max	<330		
	EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/25/2022	ND	280	620
				Annual Mean	<280		
				Annual Max	<280		
n-Propylbenzene wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	29	160
				01/25/2022	ND	76	170
				Annual Mean	<76		
				Annual Max	<76		
	EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	25	140
				01/25/2022	ND	77	170
				Annual Mean	<77		

Appendix C: Summary of Biosolids Monitoring Results

				Annual Max	<77		
o-Xylene	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	130	1000
				01/25/2022	ND	100	380
				Annual Mean	<130		
				Annual Max	<130		
	EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/25/2022	ND	88	320
				Annual Mean	<88		
				Annual Max	<88		
o-Xylene wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	30	240
				01/25/2022	ND	24	86
				Annual Mean	<30		
				Annual Max	<30		
	EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	26	210
				01/25/2022	ND	24	87
				Annual Mean	<26		
				Annual Max	<26		
sec-Butylbenzene	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	130 DNQ	110	1700
				01/25/2022	ND	110	740
				Annual Mean	120 DNQ		
				Annual Max	130 DNQ		
	EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/25/2022	ND	95	620
				Annual Mean	<95		
				Annual Max	<95		
sec-Butylbenzene wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/04/2022	30 DNQ	26	410
				01/25/2022	ND	26	170
				Annual Mean	28 DNQ		
				Annual Max	30 DNQ		
	EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/04/2022	26 DNQ	22	350
				01/25/2022	ND	26	170
				Annual Mean	26 DNQ		
				Annual Max	26 DNQ		
Styrene	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	110	670
				01/25/2022	ND	410	920
				Annual Mean	<410		
				Annual Max	<410		
	EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/25/2022	ND	340	770
				Annual Mean	<340		
				Annual Max	<340		
Styrene wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	25	160
				01/25/2022	ND	93	210
				Annual Mean	<93		
				Annual Max	<93		
	EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	21	140
				01/25/2022	ND	94	210
				Annual Mean	<94		
				Annual Max	<94		
tert-Butylbenzene	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	150 DNQ	110	1700
				01/25/2022	ND	83	740
				Annual Mean	120 DNQ		
				Annual Max	150 DNQ		
	EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/25/2022	ND	70	620
				Annual Mean	<70		
				Annual Max	<70		
tert-Butylbenzene wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/04/2022	36 DNQ	25	410
				01/25/2022	ND	19	170
				Annual Mean	28 DNQ		
				Annual Max	36 DNQ		
	EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	21	350
				01/25/2022	ND	19	170
				Annual Mean	<21		
				Annual Max	<21		
Tetrachloroet	EPA 8260B	µg/kg dry	Plant 1	01/04/2022	ND	80	670

hene			Dewatering Cake	01/25/2022	ND	83	740
				Annual Mean	<83		
				Annual Max	<83		
	EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/25/2022	ND	70	620
				Annual Mean	<70		
				Annual Max	<70		
Tetrachloroethene wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	19	160
				01/25/2022	ND	19	170
				Annual Mean	<19		
				Annual Max	<19		
	EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	17	140
				01/25/2022	ND	19	170
				Annual Mean	<19		
				Annual Max	<19		
Toluene	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	220	670
				01/25/2022	ND	120	740
				Annual Mean	<220		
				Annual Max	<220		
	EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/25/2022	ND	99	620
				Annual Mean	<99		
				Annual Max	<99		
Toluene wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	53	160
				01/25/2022	ND	27	170
				Annual Mean	<53		
				Annual Max	<53		
	EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	45	140
				01/25/2022	ND	27	170
				Annual Mean	<45		
				Annual Max	<45		
trans-1,2-Dichloroethene	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	150	670
				01/25/2022	ND	140	380
				Annual Mean	<150		
				Annual Max	<150		
	EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/25/2022	ND	110	320
				Annual Mean	<110		
				Annual Max	<110		
trans-1,2-Dichloroethene wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	35	160
				01/25/2022	ND	31	86
				Annual Mean	<35		
				Annual Max	<35		
	EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	30	140
				01/25/2022	ND	31	87
				Annual Mean	<31		
				Annual Max	<31		
trans-1,3-Dichloropropene	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	67	670
				01/25/2022	ND	520	1200
				Annual Mean	<520		
				Annual Max	<520		
	EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/25/2022	ND	480	1000
				Annual Mean	<480		
				Annual Max	<480		
trans-1,3-Dichloropropene wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	16	160
				01/25/2022	ND	120	280
				Annual Mean	<120		
				Annual Max	<120		
	EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	13	140
				01/25/2022	ND	130	280
				Annual Mean	<130		
				Annual Max	<130		
Trichloroethene	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	88	670
				01/25/2022	ND	70	740
				Annual Mean	<88		

					Annual Max	<88		
		EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/25/2022	ND	59	620
					Annual Mean	<59		
					Annual Max	<59		
	Trichloroethene wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	21	160
					01/25/2022	ND	16	170
					Annual Mean	<21		
					Annual Max	<21		
		EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	18	140
					01/25/2022	ND	16	170
					Annual Mean	<18		
					Annual Max	<18		
	Trichlorofluoromethane	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	190	1700
					01/25/2022	ND	150	1500
					Annual Mean	<190		
					Annual Max	<190		
		EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/25/2022	ND	130	1300
					Annual Mean	<130		
					Annual Max	<130		
	Trichlorofluoromethane wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	45	410
					01/25/2022	ND	34	340
					Annual Mean	<45		
					Annual Max	<45		
		EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	39	350
					01/25/2022	ND	35	350
					Annual Mean	<39		
					Annual Max	<39		
	Vinyl chloride	EPA 8260B	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	140	340
					01/25/2022	ND	83	1500
					Annual Mean	<140		
					Annual Max	<140		
		EPA 8260B	µg/kg dry	Plant 2 Dewatering Cake	01/25/2022	ND	70	1300
					Annual Mean	<70		
					Annual Max	<70		
	Vinyl chloride wet weight	EPA 8260B	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	34	81
					01/25/2022	ND	19	340
					Annual Mean	<34		
					Annual Max	<34		
		EPA 8260B	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	29	70
					01/25/2022	ND	19	350
					Annual Mean	<29		
					Annual Max	<29		
Semi-Volatile Organic Compounds	1,2,4-Trichlorobenzene	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	13000	41000
					07/12/2022	ND	13000	41000
					09/13/2022	ND	6400	21000
					Annual Mean	<13000		
					Annual Max	<13000		
		EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	07/12/2022	ND	11000	35000
					09/13/2022	ND	5100	16000
					Annual Mean	<11000		
					Annual Max	<11000		
	1,2,4-Trichlorobenzene wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	3100	9800
					07/12/2022	ND	3100	9900
					09/13/2022	ND	1500	4900
					Annual Mean	<3100		
					Annual Max	<3100		
		EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	3000	9500
					07/12/2022	ND	3100	10000
					09/13/2022	ND	1400	4300
					Annual Mean	<3100		
					Annual Max	<3100		
	1,2-	EPA 8270C	µg/kg dry	Plant 1	01/04/2022	ND	13000	84000

Dichlorobenzene			Dewatering Cake	07/12/2022	ND	12000	82000
				09/13/2022	ND	6400	42000
				Annual Mean	<13000		
				Annual Max	<13000		
	EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	07/12/2022	ND	11000	70000
				09/13/2022	ND	4700	32000
				Annual Mean	<11000		
				Annual Max	<11000		
1,2-Dichlorobenzene wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	3000	20000
				07/12/2022	ND	3000	20000
				09/13/2022	ND	1500	9800
				Annual Mean	<3000		
				Annual Max	<3000		
	EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	2900	19000
				07/12/2022	ND	3000	20000
				09/13/2022	ND	1300	8700
				Annual Mean	<3000		
				Annual Max	<3000		
1,3-Dichlorobenzene	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	24000	41000
				07/12/2022	ND	23000	41000
				09/13/2022	ND	12000	21000
				Annual Mean	<24000		
				Annual Max	<24000		
	EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	07/12/2022	ND	20000	35000
				09/13/2022	ND	9100	16000
				Annual Mean	<20000		
				Annual Max	<20000		
1,3-Dichlorobenzene wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	5600	9800
				07/12/2022	ND	5600	9900
				09/13/2022	ND	2800	4900
				Annual Mean	<5600		
				Annual Max	<5600		
	EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	5400	9500
				07/12/2022	ND	5700	10000
				09/13/2022	ND	2500	4300
				Annual Mean	<5700		
				Annual Max	<5700		
1,4-Dichlorobenzene	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	23000	41000
				07/12/2022	ND	23000	41000
				09/13/2022	ND	11000	21000
				Annual Mean	<23000		
				Annual Max	<23000		
	EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	07/12/2022	ND	20000	35000
				09/13/2022	ND	8700	16000
				Annual Mean	<20000		
				Annual Max	<20000		
1,4-Dichlorobenzene wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	5500	9800
				07/12/2022	ND	5500	9900
				09/13/2022	ND	2700	4900
				Annual Mean	<5500		
				Annual Max	<5500		
	EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	5300	9500
				07/12/2022	ND	5600	10000
				09/13/2022	ND	2400	4300
				Annual Mean	<5600		
				Annual Max	<5600		
2,4,5-Trichlorophenol	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	13000	41000
				07/12/2022	ND	13000	41000
				09/13/2022	ND	6800	21000
				Annual Mean	<13000		
				Annual Max	<13000		
	EPA 8270C	µg/kg dry	Plant 2	07/12/2022	ND	11000	35000

			Dewatering Cake	09/13/2022	ND	5100	16000
				Annual Mean	<11000		
				Annual Max	<11000		
2,4,5-Trichlorophenol wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	3100	9800
				07/12/2022	ND	3200	9900
				09/13/2022	ND	1600	4900
				Annual Mean	<3200		
				Annual Max	<3200		
	EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	3000	9500
				07/12/2022	ND	3200	10000
				09/13/2022	ND	1400	4300
				Annual Mean	<3200		
				Annual Max	<3200		
2,4,6-Trichlorophenol	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	16000	41000
				07/12/2022	ND	16000	41000
				09/13/2022	ND	8100	21000
				Annual Mean	<16000		
				Annual Max	<16000		
	EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	07/12/2022	ND	14000	35000
				09/13/2022	ND	6200	16000
				Annual Mean	<14000		
				Annual Max	<14000		
2,4,6-Trichlorophenol wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	3900	9800
				07/12/2022	ND	3900	9900
				09/13/2022	ND	1900	4900
				Annual Mean	<3900		
				Annual Max	<3900		
	EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	3800	9500
				07/12/2022	ND	3900	10000
				09/13/2022	ND	1700	4300
				Annual Mean	<3900		
				Annual Max	<3900		
2,4-Dichlorophenol	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	13000	41000
				07/12/2022	ND	13000	41000
				09/13/2022	ND	6400	21000
				Annual Mean	<13000		
				Annual Max	<13000		
	EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	07/12/2022	ND	11000	35000
				09/13/2022	ND	5100	16000
				Annual Mean	<11000		
				Annual Max	<11000		
2,4-Dichlorophenol wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	3100	9800
				07/12/2022	ND	3100	9900
				09/13/2022	ND	1500	4900
				Annual Mean	<3100		
				Annual Max	<3100		
	EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	3000	9500
				07/12/2022	ND	3100	10000
				09/13/2022	ND	1400	4300
				Annual Mean	<3100		
				Annual Max	<3100		
2,4-Dimethylphenol	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	12000	41000
				07/12/2022	ND	12000	41000
				09/13/2022	ND	6400	21000
				Annual Mean	<12000		
				Annual Max	<12000		
	EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	07/12/2022	ND	11000	35000
				09/13/2022	ND	4700	16000
				Annual Mean	<11000		
				Annual Max	<11000		
2,4-Dimethylphe	EPA 8270C	µg/kg	Plant 1 Dewatering	01/04/2022	ND	2900	9800
				07/12/2022	ND	3000	9900

nol wet weight			Cake	09/13/2022	ND	1500	4900
				Annual Mean	<3000		
				Annual Max	<3000		
	EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	2900	9500
				07/12/2022	ND	3000	10000
				09/13/2022	ND	1300	4300
				Annual Mean	<3000		
				Annual Max	<3000		
2,4-Dinitrophenol	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	110000	410000
				09/13/2022	ND	55000	210000
				Annual Mean	<110000		
				Annual Max	<110000		
	EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	09/13/2022	ND	44000	160000
				Annual Mean	<44000		
				Annual Max	<44000		
2,4-Dinitrophenol wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	27000	98000
				09/13/2022	ND	13000	49000
				Annual Mean	<27000		
				Annual Max	<27000		
	EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	26000	95000
				09/13/2022	ND	12000	43000
				Annual Mean	<26000		
				Annual Max	<26000		
2,4-Dinitrotoluene	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	15000	41000
				09/13/2022	ND	7600	21000
				Annual Mean	<15000		
				Annual Max	<15000		
	EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	09/13/2022	ND	5800	16000
				Annual Mean	<5800		
				Annual Max	<5800		
2,4-Dinitrotoluene wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	3600	9800
				09/13/2022	ND	1800	4900
				Annual Mean	<3600		
				Annual Max	<3600		
	EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	3400	9500
				09/13/2022	ND	1600	4300
				Annual Mean	<3400		
				Annual Max	<3400		
2,6-Dinitrotoluene	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	15000	41000
				07/12/2022	ND	14000	41000
				09/13/2022	ND	7200	21000
				Annual Mean	<15000		
				Annual Max	<15000		
	EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	07/12/2022	ND	13000	35000
				09/13/2022	ND	5800	16000
				Annual Mean	<13000		
				Annual Max	<13000		
2,6-Dinitrotoluene wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	3500	9800
				07/12/2022	ND	3500	9900
				09/13/2022	ND	1700	4900
				Annual Mean	<3500		
				Annual Max	<3500		
	EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	3400	9500
				07/12/2022	ND	3600	10000
				09/13/2022	ND	1600	4300
				Annual Mean	<3600		
				Annual Max	<3600		
2-Chloronaphthalene	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	14000	41000
				07/12/2022	ND	14000	41000
				09/13/2022	ND	7200	21000
				Annual Mean	<14000		
				Annual Max	<14000		

	EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	07/12/2022	ND	12000	35000
				09/13/2022	ND	5500	16000
				Annual Mean	<12000		
				Annual Max	<12000		
2-Chloronaphthalene wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	3400	9800
				07/12/2022	ND	3400	9900
				09/13/2022	ND	1700	4900
				Annual Mean	<3400		
				Annual Max	<3400		
	EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	3300	9500
				07/12/2022	ND	3500	10000
				09/13/2022	ND	1500	4300
				Annual Mean	<3500		
				Annual Max	<3500		
2-Chlorophenol	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	22000	41000
				07/12/2022	ND	22000	41000
				09/13/2022	ND	11000	21000
				Annual Mean	<22000		
				Annual Max	<22000		
	EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	07/12/2022	ND	19000	35000
				09/13/2022	ND	8700	16000
				Annual Mean	<19000		
				Annual Max	<19000		
2-Chlorophenol wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	5300	9800
				07/12/2022	ND	5400	9900
				09/13/2022	ND	2700	4900
				Annual Mean	<5400		
				Annual Max	<5400		
	EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	5200	9500
				07/12/2022	ND	5400	10000
				09/13/2022	ND	2400	4300
				Annual Mean	<5400		
				Annual Max	<5400		
2-Methylnaphthalene	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	11000	84000
				07/12/2022	ND	11000	82000
				09/13/2022	ND	5900	42000
				Annual Mean	<11000		
				Annual Max	<11000		
	EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	07/12/2022	ND	9800	70000
				09/13/2022	ND	4400	32000
				Annual Mean	<9800		
				Annual Max	<9800		
2-Methylnaphthalene wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	2700	20000
				07/12/2022	ND	2700	20000
				09/13/2022	ND	1400	9800
				Annual Mean	<2700		
				Annual Max	<2700		
	EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	2600	19000
				07/12/2022	ND	2800	20000
				09/13/2022	ND	1200	8700
				Annual Mean	<2800		
				Annual Max	<2800		
2-Methylphenol	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	13000	41000
				07/12/2022	ND	13000	41000
				09/13/2022	ND	6400	21000
				Annual Mean	<13000		
				Annual Max	<13000		
	EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	07/12/2022	ND	11000	35000
				09/13/2022	ND	4700	16000
				Annual Mean	<11000		
				Annual Max	<11000		
2-	EPA 8270C	µg/kg	Plant 1	01/04/2022	ND	3000	9800

Methylphenol wet weight			Dewatering Cake	07/12/2022	ND	3100	9900
				09/13/2022	ND	1500	4900
				Annual Mean	<3100		
				Annual Max	<3100		
	EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	2900	9500
				07/12/2022	ND	3100	10000
				09/13/2022	ND	1300	4300
				Annual Mean	<3100		
				Annual Max	<3100		
2-Nitroaniline	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	12000	41000
				07/12/2022	ND	12000	41000
				09/13/2022	ND	6400	21000
				Annual Mean	<12000		
				Annual Max	<12000		
	EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	07/12/2022	ND	11000	35000
				09/13/2022	ND	4700	16000
				Annual Mean	<11000		
				Annual Max	<11000		
2-Nitroaniline wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	2900	9800
				07/12/2022	ND	2900	9900
				09/13/2022	ND	1500	4900
				Annual Mean	<2900		
				Annual Max	<2900		
	EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	2800	9500
				07/12/2022	ND	3000	10000
				09/13/2022	ND	1300	4300
				Annual Mean	<3000		
				Annual Max	<3000		
2-Nitrophenol	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	31000	41000
				07/12/2022	ND	30000	41000
				09/13/2022	ND	15000	21000
				Annual Mean	<31000		
				Annual Max	<31000		
	EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	07/12/2022	ND	26000	35000
				09/13/2022	ND	12000	16000
				Annual Mean	<26000		
				Annual Max	<26000		
2-Nitrophenol wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	7300	9800
				07/12/2022	ND	7300	9900
				09/13/2022	ND	3600	4900
				Annual Mean	<7300		
				Annual Max	<7300		
	EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	7100	9500
				07/12/2022	ND	7400	10000
				09/13/2022	ND	3200	4300
				Annual Mean	<7400		
				Annual Max	<7400		
3&4-Methylphenol	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	12000	84000
				07/12/2022	ND	12000	82000
				09/13/2022	ND	5900	42000
				Annual Mean	<12000		
				Annual Max	<12000		
	EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	07/12/2022	ND	11000	70000
				09/13/2022	ND	4700	32000
				Annual Mean	<11000		
				Annual Max	<11000		
3&4-Methylphenol wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	2900	20000
				07/12/2022	ND	2900	20000
				09/13/2022	ND	1400	9800
				Annual Mean	<2900		
				Annual Max	<2900		
	EPA 8270C	µg/kg	Plant 2	01/04/2022	ND	2800	19000

			Dewatering Cake	07/12/2022	ND	3000	20000
				09/13/2022	ND	1300	8700
				Annual Mean	<3000		
				Annual Max	<3000		
3,3-Dichlorobenzidine	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	11000	41000
				07/12/2022	ND	11000	41000
				09/13/2022	ND	5500	21000
				Annual Mean	<11000		
				Annual Max	<11000		
	EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	07/12/2022	ND	9500	35000
				09/13/2022	ND	4400	16000
				Annual Mean	<9500		
				Annual Max	<9500		
3,3-Dichlorobenzidine wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	2700	9800
				07/12/2022	ND	2700	9900
				09/13/2022	ND	1300	4900
				Annual Mean	<2700		
				Annual Max	<2700		
	EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	2600	9500
				07/12/2022	ND	2700	10000
				09/13/2022	ND	1200	4300
				Annual Mean	<2700		
				Annual Max	<2700		
3-Nitroaniline	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	13000	41000
				07/12/2022	ND	13000	41000
				09/13/2022	ND	6800	21000
				Annual Mean	<13000		
				Annual Max	<13000		
	EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	07/12/2022	ND	11000	35000
				09/13/2022	ND	5100	16000
				Annual Mean	<11000		
				Annual Max	<11000		
3-Nitroaniline wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	3200	9800
				07/12/2022	ND	3200	9900
				09/13/2022	ND	1600	4900
				Annual Mean	<3200		
				Annual Max	<3200		
	EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	3100	9500
				07/12/2022	ND	3200	10000
				09/13/2022	ND	1400	4300
				Annual Mean	<3200		
				Annual Max	<3200		
4,6-Dinitro-2-methylphenol	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	84000	410000
				07/12/2022	ND	82000	410000
				09/13/2022	ND	42000	210000
				Annual Mean	<84000		
				Annual Max	<84000		
	EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	07/12/2022	ND	74000	350000
				09/13/2022	ND	33000	160000
				Annual Mean	<74000		
				Annual Max	<74000		
4,6-Dinitro-2-methylphenol wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	20000	98000
				07/12/2022	ND	20000	99000
				09/13/2022	ND	10000	49000
				Annual Mean	<20000		
				Annual Max	<20000		
	EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	20000	95000
				07/12/2022	ND	21000	100000
				09/13/2022	ND	9000	43000
				Annual Mean	<21000		
				Annual Max	<21000		
4-	EPA 8270C	µg/kg dry	Plant 1	01/04/2022	ND	15000	41000

Bromophenyl phenyl ether			Dewatering Cake	07/12/2022	ND	14000	41000
				09/13/2022	ND	7200	21000
				Annual Mean	<15000		
				Annual Max	<15000		
	EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	07/12/2022	ND	12000	35000
				09/13/2022	ND	5500	16000
				Annual Mean	<12000		
				Annual Max	<12000		
4-Bromophenyl phenyl ether wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	3500	9800
				07/12/2022	ND	3500	9900
				09/13/2022	ND	1700	4900
				Annual Mean	<3500		
				Annual Max	<3500		
	EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	3400	9500
				07/12/2022	ND	3500	10000
				09/13/2022	ND	1500	4300
				Annual Mean	<3500		
				Annual Max	<3500		
4-Chloro-3-methylphenol	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	12000	41000
				07/12/2022	ND	12000	41000
				09/13/2022	ND	5900	21000
				Annual Mean	<12000		
				Annual Max	<12000		
	EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	07/12/2022	ND	10000	35000
				09/13/2022	ND	4700	16000
				Annual Mean	<10000		
				Annual Max	<10000		
4-Chloro-3-methylphenol wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	2900	9800
				07/12/2022	ND	2900	9900
				09/13/2022	ND	1400	4900
				Annual Mean	<2900		
				Annual Max	<2900		
	EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	2800	9500
				07/12/2022	ND	2900	10000
				09/13/2022	ND	1300	4300
				Annual Mean	<2900		
				Annual Max	<2900		
4-Chloroaniline	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	8400	84000
				07/12/2022	ND	8200	82000
				09/13/2022	ND	4200	42000
				Annual Mean	<8400		
				Annual Max	<8400		
	EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	07/12/2022	ND	7000	70000
				09/13/2022	ND	3200	32000
				Annual Mean	<7000		
				Annual Max	<7000		
4-Chloroaniline wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	2000	20000
				07/12/2022	ND	2000	20000
				09/13/2022	ND	1000	9800
				Annual Mean	<2000		
				Annual Max	<2000		
	EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	1900	19000
				07/12/2022	ND	2000	20000
				09/13/2022	ND	890	8700
				Annual Mean	<2000		
				Annual Max	<2000		
4-Chlorophenyl phenyl ether	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	13000	41000
				07/12/2022	ND	13000	41000
				09/13/2022	ND	6400	21000
				Annual Mean	<13000		
				Annual Max	<13000		
	EPA 8270C	µg/kg dry	Plant 2	07/12/2022	ND	11000	35000

			Dewatering Cake	09/13/2022	ND	5100	16000
				Annual Mean	<11000		
				Annual Max	<11000		
4-Chlorophenyl phenyl ether wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	3100	9800
				07/12/2022	ND	3100	9900
				09/13/2022	ND	1500	4900
				Annual Mean	<3100		
				Annual Max	<3100		
	EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	3000	9500
				07/12/2022	ND	3200	10000
				09/13/2022	ND	1400	4300
				Annual Mean	<3200		
				Annual Max	<3200		
4-Nitroaniline	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	13000	41000
				07/12/2022	ND	13000	41000
				09/13/2022	ND	6800	21000
				Annual Mean	<13000		
				Annual Max	<13000		
	EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	07/12/2022	ND	12000	35000
				09/13/2022	ND	5100	16000
				Annual Mean	<12000		
				Annual Max	<12000		
4-Nitroaniline wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	3200	9800
				07/12/2022	ND	3200	9900
				09/13/2022	ND	1600	4900
				Annual Mean	<3200		
				Annual Max	<3200		
	EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	3100	9500
				07/12/2022	ND	3300	10000
				09/13/2022	ND	1400	4300
				Annual Mean	<3300		
				Annual Max	<3300		
4-Nitrophenol	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	59000	84000
				07/12/2022	ND	58000	82000
				09/13/2022	ND	30000	42000
				Annual Mean	<59000		
				Annual Max	<59000		
	EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	07/12/2022	ND	53000	70000
				09/13/2022	ND	23000	32000
				Annual Mean	<53000		
				Annual Max	<53000		
4-Nitrophenol wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	14000	20000
				07/12/2022	ND	14000	20000
				09/13/2022	ND	7100	9800
				Annual Mean	<14000		
				Annual Max	<14000		
	EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	14000	19000
				07/12/2022	ND	15000	20000
				09/13/2022	ND	6400	8700
				Annual Mean	<15000		
				Annual Max	<15000		
Acenaphthene	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	13000	41000
				07/12/2022	ND	12000	41000
				09/13/2022	ND	6400	21000
				Annual Mean	<13000		
				Annual Max	<13000		
	EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	07/12/2022	ND	11000	35000
				09/13/2022	ND	4700	16000
				Annual Mean	<11000		
				Annual Max	<11000		
Acenaphthene wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering	01/04/2022	ND	3000	9800
				07/12/2022	ND	3000	9900

			Cake	09/13/2022	ND	1500	4900
				Annual Mean	<3000		
				Annual Max	<3000		
	EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	2900	9500
				07/12/2022	ND	3000	10000
				09/13/2022	ND	1300	4300
				Annual Mean	<3000		
				Annual Max	<3000		
Acenaphthylene	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	13000	41000
				07/12/2022	ND	13000	41000
				09/13/2022	ND	6800	21000
				Annual Mean	<13000		
				Annual Max	<13000		
	EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	07/12/2022	ND	11000	35000
				09/13/2022	ND	5100	16000
				Annual Mean	<11000		
				Annual Max	<11000		
Acenaphthylene wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	3100	9800
				07/12/2022	ND	3100	9900
				09/13/2022	ND	1600	4900
				Annual Mean	<3100		
				Annual Max	<3100		
	EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	3000	9500
				07/12/2022	ND	3200	10000
				09/13/2022	ND	1400	4300
				Annual Mean	<3200		
				Annual Max	<3200		
Anthracene	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	13000	41000
				07/12/2022	ND	14000	41000
				09/13/2022	ND	6800	21000
				Annual Mean	<14000		
				Annual Max	<14000		
	EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	07/12/2022	ND	12000	35000
				09/13/2022	ND	5100	16000
				Annual Mean	<12000		
				Annual Max	<12000		
Anthracene wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	3200	9800
				07/12/2022	ND	3300	9900
				09/13/2022	ND	1600	4900
				Annual Mean	<3300		
				Annual Max	<3300		
	EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	3100	9500
				07/12/2022	ND	3300	10000
				09/13/2022	ND	1400	4300
				Annual Mean	<3300		
				Annual Max	<3300		
Azobenzene/ 1,2-Diphenylhydrazine	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	24000	41000
				07/12/2022	ND	24000	41000
				09/13/2022	ND	12000	21000
				Annual Mean	<24000		
				Annual Max	<24000		
	EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	07/12/2022	ND	21000	35000
				09/13/2022	ND	9500	16000
				Annual Mean	<21000		
				Annual Max	<21000		
Azobenzene/ 1,2-Diphenylhydrazine wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	5800	9800
				07/12/2022	ND	5800	9900
				09/13/2022	ND	2900	4900
				Annual Mean	<5800		
				Annual Max	<5800		
	EPA 8270C	µg/kg	Plant 2 Dewatering	01/04/2022	ND	5600	9500
				07/12/2022	ND	5900	10000

			Cake	09/13/2022	ND	2600	4300
				Annual Mean	<5900		
				Annual Max	<5900		
Benz(a)anthracene	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	14000	41000
				07/12/2022	ND	14000	41000
				09/13/2022	ND	7200	21000
				Annual Mean	<14000		
				Annual Max	<14000		
	EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	07/12/2022	ND	12000	35000
				09/13/2022	ND	5500	16000
				Annual Mean	<12000		
				Annual Max	<12000		
Benz(a)anthracene wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	3300	9800
				07/12/2022	ND	3400	9900
				09/13/2022	ND	1700	4900
				Annual Mean	<3400		
				Annual Max	<3400		
	EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	3200	9500
				07/12/2022	ND	3400	10000
				09/13/2022	ND	1500	4300
				Annual Mean	<3400		
				Annual Max	<3400		
Benzidine	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	39000	250000
				09/13/2022	ND	19000	120000
				Annual Mean	<39000		
				Annual Max	<39000		
	EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	09/13/2022	ND	15000	95000
				Annual Mean	<15000		
				Annual Max	<15000		
Benzidine wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	9300	59000
				09/13/2022	ND	4600	29000
				Annual Mean	<9300		
				Annual Max	<9300		
	EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	9000	57000
				09/13/2022	ND	4100	26000
				Annual Mean	<9000		
				Annual Max	<9000		
Benzo(a)pyrene	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	14000	41000
				07/12/2022	ND	14000	41000
				09/13/2022	ND	7200	21000
				Annual Mean	<14000		
				Annual Max	<14000		
	EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	07/12/2022	ND	12000	35000
				09/13/2022	ND	5500	16000
				Annual Mean	<12000		
				Annual Max	<12000		
Benzo(a)pyrene wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	3400	9800
				07/12/2022	ND	3400	9900
				09/13/2022	ND	1700	4900
				Annual Mean	<3400		
				Annual Max	<3400		
	EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	3300	9500
				07/12/2022	ND	3500	10000
				09/13/2022	ND	1500	4300
				Annual Mean	<3500		
				Annual Max	<3500		
Benzo(b)fluoranthene	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	13000	41000
				07/12/2022	ND	13000	41000
				09/13/2022	ND	6400	21000
				Annual Mean	<13000		
				Annual Max	<13000		
	EPA 8270C	µg/kg dry	Plant 2	07/12/2022	ND	11000	35000

			Dewatering Cake	09/13/2022	ND	5100	16000
				Annual Mean	<11000		
				Annual Max	<11000		
Benzo(b)fluoranthene wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	3100	9800
				07/12/2022	ND	3100	9900
				09/13/2022	ND	1500	4900
				Annual Mean	<3100		
				Annual Max	<3100		
	EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	3000	9500
				07/12/2022	ND	3100	10000
				09/13/2022	ND	1400	4300
				Annual Mean	<3100		
				Annual Max	<3100		
Benzo(g,h,i)perylene	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	14000	41000
				07/12/2022	ND	14000	41000
				09/13/2022	ND	7200	21000
				Annual Mean	<14000		
				Annual Max	<14000		
	EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	07/12/2022	ND	12000	35000
				09/13/2022	ND	5500	16000
				Annual Mean	<12000		
				Annual Max	<12000		
Benzo(g,h,i)perylene wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	3400	9800
				07/12/2022	ND	3400	9900
				09/13/2022	ND	1700	4900
				Annual Mean	<3400		
				Annual Max	<3400		
	EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	3200	9500
				07/12/2022	ND	3400	10000
				09/13/2022	ND	1500	4300
				Annual Mean	<3400		
				Annual Max	<3400		
Benzo(k)fluoranthene	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	15000	41000
				07/12/2022	ND	15000	41000
				09/13/2022	ND	7600	21000
				Annual Mean	<15000		
				Annual Max	<15000		
	EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	07/12/2022	ND	13000	35000
				09/13/2022	ND	5800	16000
				Annual Mean	<13000		
				Annual Max	<13000		
Benzo(k)fluoranthene wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	3500	9800
				07/12/2022	ND	3600	9900
				09/13/2022	ND	1800	4900
				Annual Mean	<3600		
				Annual Max	<3600		
	EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	3400	9500
				07/12/2022	ND	3600	10000
				09/13/2022	ND	1600	4300
				Annual Mean	<3600		
				Annual Max	<3600		
Benzoic acid	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	46000	160000
				09/13/2022	ND	23000	85000
				Annual Mean	<46000		
				Annual Max	<46000		
	EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	09/13/2022	ND	17000	62000
				Annual Mean	<17000		
				Annual Max	<17000		
Benzoic acid wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	11000	39000
				09/13/2022	ND	5400	20000
				Annual Mean	<11000		
				Annual Max	<11000		

	EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	11000	38000
				09/13/2022	ND	4800	17000
				Annual Mean	<11000		
				Annual Max	<11000		
Benzyl alcohol	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	13000	41000
				07/12/2022	ND	12000	41000
				09/13/2022	ND	6400	21000
				Annual Mean	<13000		
				Annual Max	<13000		
	EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	07/12/2022	ND	11000	35000
				09/13/2022	ND	4700	16000
				Annual Mean	<11000		
				Annual Max	<11000		
Benzyl alcohol wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	3000	9800
				07/12/2022	ND	3000	9900
				09/13/2022	ND	1500	4900
				Annual Mean	<3000		
				Annual Max	<3000		
	EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	2900	9500
				07/12/2022	ND	3100	10000
				09/13/2022	ND	1300	4300
				Annual Mean	<3100		
				Annual Max	<3100		
Bis(2-chloroethoxy) methane	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	12000	41000
				07/12/2022	ND	12000	41000
				09/13/2022	ND	5900	21000
				Annual Mean	<12000		
				Annual Max	<12000		
	EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	07/12/2022	ND	10000	35000
				09/13/2022	ND	4700	16000
				Annual Mean	<10000		
				Annual Max	<10000		
Bis(2-chloroethoxy) methane wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	2800	9800
				07/12/2022	ND	2800	9900
				09/13/2022	ND	1400	4900
				Annual Mean	<2800		
				Annual Max	<2800		
	EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	2700	9500
				07/12/2022	ND	2900	10000
				09/13/2022	ND	1300	4300
				Annual Mean	<2900		
				Annual Max	<2900		
Bis(2-chloroethyl)ether	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	14000	41000
				07/12/2022	ND	14000	41000
				09/13/2022	ND	7200	21000
				Annual Mean	<14000		
				Annual Max	<14000		
	EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	07/12/2022	ND	12000	35000
				09/13/2022	ND	5500	16000
				Annual Mean	<12000		
				Annual Max	<12000		
Bis(2-chloroethyl)ether wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	3400	9800
				07/12/2022	ND	3400	9900
				09/13/2022	ND	1700	4900
				Annual Mean	<3400		
				Annual Max	<3400		
	EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	3200	9500
				07/12/2022	ND	3400	10000
				09/13/2022	ND	1500	4300
				Annual Mean	<3400		
				Annual Max	<3400		
Bis(2-	EPA 8270C	µg/kg dry	Plant 1	01/04/2022	ND	13000	41000

chloroisopropyl)ether			Dewatering Cake	07/12/2022	ND	12000	41000
				09/13/2022	ND	6400	21000
				Annual Mean	<13000		
				Annual Max	<13000		
	EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	07/12/2022	ND	11000	35000
				09/13/2022	ND	4700	16000
				Annual Mean	<11000		
				Annual Max	<11000		
Bis(2-chloroisopropyl)ether wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	3000	9800
				07/12/2022	ND	3000	9900
				09/13/2022	ND	1500	4900
				Annual Mean	<3000		
				Annual Max	<3000		
	EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	2900	9500
				07/12/2022	ND	3000	10000
				09/13/2022	ND	1300	4300
				Annual Mean	<3000		
				Annual Max	<3000		
Bis(2-ethylhexyl)phthalate	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	31000 DNQ	15000	41000
				07/12/2022	34000 DNQ	15000	41000
				09/13/2022	35000	7600	21000
				Annual Mean	33000 DNQ		
				Annual Max	35000		
	EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	07/12/2022	25000 DNQ	13000	35000
				09/13/2022	31000	5800	16000
				Annual Mean	28000 DNQ		
				Annual Max	31000		
Bis(2-ethylhexyl)phthalate wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/04/2022	7400 DNQ	3500	9800
				07/12/2022	8300 DNQ	3600	9900
				09/13/2022	8200	1800	4900
				Annual Mean	8000 DNQ		
				Annual Max	8200		
	EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/04/2022	9400 DNQ	3400	9500
				07/12/2022	7200 DNQ	3600	10000
				09/13/2022	8400	1600	4300
				Annual Mean	8300 DNQ		
				Annual Max	8400		
Butyl benzyl phthalate	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	14000	41000
				07/12/2022	ND	14000	41000
				09/13/2022	ND	6800	21000
				Annual Mean	<14000		
				Annual Max	<14000		
	EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	07/12/2022	ND	12000	35000
				09/13/2022	ND	5100	16000
				Annual Mean	<12000		
				Annual Max	<12000		
Butyl benzyl phthalate wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	3300	9800
				07/12/2022	ND	3300	9900
				09/13/2022	ND	1600	4900
				Annual Mean	<3300		
				Annual Max	<3300		
	EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	3100	9500
				07/12/2022	ND	3300	10000
				09/13/2022	ND	1400	4300
				Annual Mean	<3300		
				Annual Max	<3300		
Chrysene	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	15000	41000
				07/12/2022	ND	14000	41000
				09/13/2022	ND	7200	21000

				Annual Mean	<15000		
				Annual Max	<15000		
	EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	07/12/2022	ND	12000	35000
				09/13/2022	ND	5500	16000
				Annual Mean	<12000		
				Annual Max	<12000		
Chrysene wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	3500	9800
				07/12/2022	ND	3500	9900
				09/13/2022	ND	1700	4900
				Annual Mean	<3500		
				Annual Max	<3500		
	EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	3300	9500
				07/12/2022	ND	3500	10000
				09/13/2022	ND	1500	4300
				Annual Mean	<3500		
				Annual Max	<3500		
Dibenz(a,h)anthracene	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	39000	41000
				07/12/2022	ND	38000	41000
				09/13/2022	ND	19000	21000
				Annual Mean	<39000		
				Annual Max	<39000		
	EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	07/12/2022	ND	33000	35000
				09/13/2022	ND	15000	16000
				Annual Mean	<33000		
				Annual Max	<33000		
Dibenz(a,h)anthracene wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	9300	9800
				07/12/2022	ND	9300	9900
				09/13/2022	ND	4600	4900
				Annual Mean	<9300		
				Annual Max	<9300		
	EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	9000	9500
				07/12/2022	ND	9400	10000
				09/13/2022	ND	4100	4300
				Annual Mean	<9400		
				Annual Max	<9400		
Dibenzofuran	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	13000	41000
				07/12/2022	ND	13000	41000
				09/13/2022	ND	6800	21000
				Annual Mean	<13000		
				Annual Max	<13000		
	EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	07/12/2022	ND	11000	35000
				09/13/2022	ND	5100	16000
				Annual Mean	<11000		
				Annual Max	<11000		
Dibenzofuran wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	3200	9800
				07/12/2022	ND	3200	9900
				09/13/2022	ND	1600	4900
				Annual Mean	<3200		
				Annual Max	<3200		
	EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	3100	9500
				07/12/2022	ND	3200	10000
				09/13/2022	ND	1400	4300
				Annual Mean	<3200		
				Annual Max	<3200		
Diethyl phthalate	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	13000	41000
				07/12/2022	ND	13000	41000
				09/13/2022	ND	6400	21000
				Annual Mean	<13000		
				Annual Max	<13000		
	EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	07/12/2022	ND	11000	35000
				09/13/2022	ND	5100	16000
				Annual Mean	<11000		

				Annual Max	<11000		
Diethyl phthalate wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	3100	9800
				07/12/2022	ND	3100	9900
				09/13/2022	ND	1500	4900
				Annual Mean	<3100		
				Annual Max	<3100		
	EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	3000	9500
				07/12/2022	ND	3100	10000
				09/13/2022	ND	1400	4300
				Annual Mean	<3100		
				Annual Max	<3100		
Dimethyl phthalate	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	13000	41000
				07/12/2022	ND	12000	41000
				09/13/2022	ND	6400	21000
				Annual Mean	<13000		
				Annual Max	<13000		
	EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	07/12/2022	ND	11000	35000
				09/13/2022	ND	4700	16000
				Annual Mean	<11000		
				Annual Max	<11000		
Dimethyl phthalate wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	3000	9800
				07/12/2022	ND	3000	9900
				09/13/2022	ND	1500	4900
				Annual Mean	<3000		
				Annual Max	<3000		
	EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	2900	9500
				07/12/2022	ND	3100	10000
				09/13/2022	ND	1300	4300
				Annual Mean	<3100		
				Annual Max	<3100		
Di-n-butyl phthalate	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	14000	41000
				07/12/2022	ND	14000	41000
				09/13/2022	ND	7200	21000
				Annual Mean	<14000		
				Annual Max	<14000		
	EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	07/12/2022	ND	12000	35000
				09/13/2022	ND	5500	16000
				Annual Mean	<12000		
				Annual Max	<12000		
Di-n-butyl phthalate wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	3300	9800
				07/12/2022	ND	3300	9900
				09/13/2022	ND	1700	4900
				Annual Mean	<3300		
				Annual Max	<3300		
	EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	3200	9500
				07/12/2022	ND	3400	10000
				09/13/2022	ND	1500	4300
				Annual Mean	<3400		
				Annual Max	<3400		
Di-n-octyl phthalate	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	13000	41000
				07/12/2022	ND	13000	41000
				09/13/2022	ND	6400	21000
				Annual Mean	<13000		
				Annual Max	<13000		
	EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	07/12/2022	ND	11000	35000
				09/13/2022	ND	5100	16000
				Annual Mean	<11000		
				Annual Max	<11000		
Di-n-octyl phthalate wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	3100	9800
				07/12/2022	ND	3100	9900
				09/13/2022	ND	1500	4900
				Annual Mean	<3100		

				Annual Max	<3100		
	EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	3000	9500
				07/12/2022	ND	3100	10000
				09/13/2022	ND	1400	4300
				Annual Mean	<3100		
				Annual Max	<3100		
Fluoranthene	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	13000	41000
				07/12/2022	ND	13000	41000
				09/13/2022	ND	6800	21000
				Annual Mean	<13000		
				Annual Max	<13000		
	EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	07/12/2022	ND	11000	35000
				09/13/2022	ND	5100	16000
				Annual Mean	<11000		
				Annual Max	<11000		
Fluoranthene wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	3200	9800
				07/12/2022	ND	3200	9900
				09/13/2022	ND	1600	4900
				Annual Mean	<3200		
				Annual Max	<3200		
	EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	3100	9500
				07/12/2022	ND	3200	10000
				09/13/2022	ND	1400	4300
				Annual Mean	<3200		
				Annual Max	<3200		
Fluorene	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	13000	41000
				07/12/2022	ND	14000	41000
				09/13/2022	ND	6800	21000
				Annual Mean	<14000		
				Annual Max	<14000		
	EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	07/12/2022	ND	12000	35000
				09/13/2022	ND	5100	16000
				Annual Mean	<12000		
				Annual Max	<12000		
Fluorene wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	3200	9800
				07/12/2022	ND	3300	9900
				09/13/2022	ND	1600	4900
				Annual Mean	<3300		
				Annual Max	<3300		
	EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	3100	9500
				07/12/2022	ND	3300	10000
				09/13/2022	ND	1400	4300
				Annual Mean	<3300		
				Annual Max	<3300		
Hexachlorobenzene	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	12000	41000
				09/13/2022	ND	5900	21000
				Annual Mean	<12000		
				Annual Max	<12000		
	EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	09/13/2022	ND	4700	16000
				Annual Mean	<4700		
				Annual Max	<4700		
Hexachlorobenzene wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	2800	9800
				09/13/2022	ND	1400	4900
				Annual Mean	<2800		
				Annual Max	<2800		
	EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	2800	9500
				09/13/2022	ND	1300	4300
				Annual Mean	<2800		
				Annual Max	<2800		
Hexachlorobutadiene	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	17000	41000
				07/12/2022	ND	16000	41000
				09/13/2022	ND	8500	21000

				Annual Mean	<17000		
				Annual Max	<17000		
	EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	07/12/2022	ND	14000	35000
				09/13/2022	ND	6500	16000
				Annual Mean	<14000		
				Annual Max	<14000		
Hexachlorobutadiene wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	4000	9800
				07/12/2022	ND	4000	9900
				09/13/2022	ND	2000	4900
				Annual Mean	<4000		
				Annual Max	<4000		
	EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	3900	9500
				07/12/2022	ND	4100	10000
				09/13/2022	ND	1800	4300
				Annual Mean	<4100		
				Annual Max	<4100		
Hexachlorocyclopentadiene	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	23000	84000
				07/12/2022	ND	23000	82000
				09/13/2022	ND	11000	42000
				Annual Mean	<23000		
				Annual Max	<23000		
	EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	07/12/2022	ND	20000	70000
				09/13/2022	ND	9100	32000
				Annual Mean	<20000		
				Annual Max	<20000		
Hexachlorocyclopentadiene wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	5500	20000
				07/12/2022	ND	5600	20000
				09/13/2022	ND	2700	9800
				Annual Mean	<5600		
				Annual Max	<5600		
	EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	5300	19000
				07/12/2022	ND	5600	20000
				09/13/2022	ND	2500	8700
				Annual Mean	<5600		
				Annual Max	<5600		
Hexachloroethane	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	22000	84000
				07/12/2022	ND	22000	82000
				09/13/2022	ND	11000	42000
				Annual Mean	<22000		
				Annual Max	<22000		
	EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	07/12/2022	ND	19000	70000
				09/13/2022	ND	8400	32000
				Annual Mean	<19000		
				Annual Max	<19000		
Hexachloroethane wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	5300	20000
				07/12/2022	ND	5300	20000
				09/13/2022	ND	2600	9800
				Annual Mean	<5300		
				Annual Max	<5300		
	EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	5100	19000
				07/12/2022	ND	5400	20000
				09/13/2022	ND	2300	8700
				Annual Mean	<5400		
				Annual Max	<5400		
Indeno(1,2,3-cd)pyrene	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	17000	41000
				07/12/2022	ND	17000	41000
				09/13/2022	ND	8500	21000
				Annual Mean	<17000		
				Annual Max	<17000		
	EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	07/12/2022	ND	14000	35000
				09/13/2022	ND	6500	16000
				Annual Mean	<14000		

				Annual Max	<14000		
Indeno(1,2,3-cd)pyrene wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	4000	9800
				07/12/2022	ND	4100	9900
				09/13/2022	ND	2000	4900
				Annual Mean	<4100		
				Annual Max	<4100		
	EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	3900	9500
				07/12/2022	ND	4100	10000
				09/13/2022	ND	1800	4300
				Annual Mean	<4100		
				Annual Max	<4100		
Isophorone	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	14000	41000
				07/12/2022	ND	14000	41000
				09/13/2022	ND	7200	21000
				Annual Mean	<14000		
				Annual Max	<14000		
	EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	07/12/2022	ND	12000	35000
				09/13/2022	ND	5500	16000
				Annual Mean	<12000		
				Annual Max	<12000		
Isophorone wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	3400	9800
				07/12/2022	ND	3400	9900
				09/13/2022	ND	1700	4900
				Annual Mean	<3400		
				Annual Max	<3400		
	EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	3300	9500
				07/12/2022	ND	3500	10000
				09/13/2022	ND	1500	4300
				Annual Mean	<3500		
				Annual Max	<3500		
Naphthalene	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	13000	84000
				07/12/2022	ND	13000	82000
				09/13/2022	ND	6800	42000
				Annual Mean	<13000		
				Annual Max	<13000		
	EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	07/12/2022	ND	11000	70000
				09/13/2022	ND	5100	32000
				Annual Mean	<11000		
				Annual Max	<11000		
Naphthalene wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	3200	20000
				07/12/2022	ND	3200	20000
				09/13/2022	ND	1600	9800
				Annual Mean	<3200		
				Annual Max	<3200		
	EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	3100	19000
				07/12/2022	ND	3200	20000
				09/13/2022	ND	1400	8700
				Annual Mean	<3200		
				Annual Max	<3200		
Nitrobenzene	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	14000	41000
				07/12/2022	ND	14000	41000
				09/13/2022	ND	7200	21000
				Annual Mean	<14000		
				Annual Max	<14000		
	EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	07/12/2022	ND	12000	35000
				09/13/2022	ND	5500	16000
				Annual Mean	<12000		
				Annual Max	<12000		
Nitrobenzene wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	3300	9800
				07/12/2022	ND	3400	9900
				09/13/2022	ND	1700	4900
				Annual Mean	<3400		

				Annual Max	<3400		
	EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	3200	9500
				07/12/2022	ND	3400	10000
				09/13/2022	ND	1500	4300
				Annual Mean	<3400		
				Annual Max	<3400		
N-Nitrosodimethylamine	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	50000	160000
				09/13/2022	ND	25000	85000
				Annual Mean	<50000		
				Annual Max	<50000		
	EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	09/13/2022	ND	19000	62000
				Annual Mean	<19000		
				Annual Max	<19000		
N-Nitrosodimethylamine wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	09/13/2022	ND	5800	20000
				Annual Mean	<5800		
				Annual Max	<5800		
		µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	12000	39000
				Annual Mean	<12000		
				Annual Max	<12000		
	EPA 8270C	µg/kg	Plant 2 Dewatering Cake	09/13/2022	ND	5100	17000
				Annual Mean	<5100		
				Annual Max	<5100		
		µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	11000	38000
				Annual Mean	<11000		
				Annual Max	<11000		
N-Nitroso-di-n-propylamine	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	12000	84000
				07/12/2022	ND	12000	82000
				09/13/2022	ND	5900	42000
				Annual Mean	<12000		
				Annual Max	<12000		
	EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	07/12/2022	ND	10000	70000
				09/13/2022	ND	4700	32000
				Annual Mean	<10000		
				Annual Max	<10000		
N-Nitroso-di-n-propylamine wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	2800	20000
				07/12/2022	ND	2800	20000
				09/13/2022	ND	1400	9800
				Annual Mean	<2800		
				Annual Max	<2800		
	EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	2700	19000
				07/12/2022	ND	2900	20000
				09/13/2022	ND	1300	8700
				Annual Mean	<2900		
				Annual Max	<2900		
N-Nitrosodiphenylamine	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	13000	41000
				07/12/2022	ND	13000	41000
				09/13/2022	ND	6800	21000
				Annual Mean	<13000		
				Annual Max	<13000		
	EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	07/12/2022	ND	11000	35000
				09/13/2022	ND	5100	16000
				Annual Mean	<11000		
				Annual Max	<11000		
N-Nitrosodiphenylamine wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	3100	9800
				07/12/2022	ND	3200	9900
				09/13/2022	ND	1600	4900
				Annual Mean	<3200		
				Annual Max	<3200		
	EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	3000	9500
				07/12/2022	ND	3200	10000
				09/13/2022	ND	1400	4300
				Annual Mean	<3200		

Appendix C: Summary of Biosolids Monitoring Results

				Annual Max	<3200		
Pentachlorophenol	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	80000	160000
				07/12/2022	ND	78000	160000
				09/13/2022	ND	41000	85000
				Annual Mean	<80000		
				Annual Max	<80000		
	EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	07/12/2022	ND	70000	140000
				09/13/2022	ND	31000	62000
				Annual Mean	<70000		
				Annual Max	<70000		
Pentachlorophenol wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	19000	39000
				07/12/2022	ND	19000	39000
				09/13/2022	ND	9600	20000
				Annual Mean	<19000		
				Annual Max	<19000		
	EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	19000	38000
				07/12/2022	ND	20000	40000
				09/13/2022	ND	8600	17000
				Annual Mean	<20000		
				Annual Max	<20000		
Phenanthrene	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	13000	41000
				07/12/2022	ND	13000	41000
				09/13/2022	ND	6400	21000
				Annual Mean	<13000		
				Annual Max	<13000		
	EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	07/12/2022	ND	11000	35000
				09/13/2022	ND	5100	16000
				Annual Mean	<11000		
				Annual Max	<11000		
Phenanthrene wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	3100	9800
				07/12/2022	ND	3100	9900
				09/13/2022	ND	1500	4900
				Annual Mean	<3100		
				Annual Max	<3100		
	EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	3000	9500
				07/12/2022	ND	3100	10000
				09/13/2022	ND	1400	4300
				Annual Mean	<3100		
				Annual Max	<3100		
Phenol	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	26000	84000
				07/12/2022	ND	26000	82000
				09/13/2022	85000	13000	42000
				Annual Mean	46000 DNQ		
				Annual Max	85000		
	EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	07/12/2022	ND	22000	70000
				09/13/2022	ND	9800	32000
				Annual Mean	<22000		
				Annual Max	<22000		
Phenol wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	6200	20000
				07/12/2022	ND	6200	20000
				09/13/2022	20000	3100	9800
				Annual Mean	11000 DNQ		
				Annual Max	20000		
	EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	6000	19000
				07/12/2022	ND	6300	20000
				09/13/2022	ND	2700	8700
				Annual Mean	<6300		
				Annual Max	<6300		
Pyrene	EPA 8270C	µg/kg dry	Plant 1 Dewatering	01/04/2022	ND	14000	41000
				07/12/2022	ND	14000	41000

				Cake	09/13/2022	ND	7200	21000
					Annual Mean	<14000		
					Annual Max	<14000		
		EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	07/12/2022	ND	12000	35000
					09/13/2022	ND	5500	16000
					Annual Mean	<12000		
					Annual Max	<12000		
	Pyrene wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	3400	9800
					07/12/2022	ND	3500	9900
					09/13/2022	ND	1700	4900
					Annual Mean	<3500		
					Annual Max	<3500		
		EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	3300	9500
					07/12/2022	ND	3500	10000
					09/13/2022	ND	1500	4300
					Annual Mean	<3500		
					Annual Max	<3500		
	Pyridine	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	40000	84000
					07/12/2022	ND	40000	82000
					09/13/2022	ND	20000	42000
					Annual Mean	<40000		
					Annual Max	<40000		
		EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	07/12/2022	ND	34000	70000
					09/13/2022	ND	15000	32000
					Annual Mean	<34000		
					Annual Max	<34000		
	Pyridine wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	9500	20000
					07/12/2022	ND	9600	20000
					09/13/2022	ND	4700	9800
					Annual Mean	<9600		
					Annual Max	<9600		
		EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	9200	19000
					07/12/2022	ND	9700	20000
					09/13/2022	ND	4200	8700
					Annual Mean	<9700		
					Annual Max	<9700		
	Total Cresols	EPA 8270C	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	13000	84000
					07/12/2022	ND	13000	82000
					09/13/2022	ND	6400	42000
					Annual Mean	<13000		
					Annual Max	<13000		
		EPA 8270C	µg/kg dry	Plant 2 Dewatering Cake	07/12/2022	ND	11000	70000
					09/13/2022	ND	4700	32000
					Annual Mean	<11000		
					Annual Max	<11000		
	Total Cresols wet weight	EPA 8270C	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	3000	20000
					07/12/2022	ND	3100	20000
					09/13/2022	ND	1500	9800
					Annual Mean	<3100		
					Annual Max	<3100		
		EPA 8270C	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	2900	19000
					07/12/2022	ND	3100	20000
					09/13/2022	ND	1300	8700
					Annual Mean	<3100		
					Annual Max	<3100		
Organochlorine Pesticides	Aldrin	EPA 8081A	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	15	42
					Annual Mean	<15		
					Annual Max	<15		
	Aldrin wet weight	EPA 8081A	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	3.6	10
					Annual Mean	<3.6		
					Annual Max	<3.6		
		EPA 8081A	µg/kg	Plant 2	01/04/2022	ND	3.6	9.9

			Dewatering Cake	Annual Mean	<3.6		
				Annual Max	<3.6		
alpha-BHC	EPA 8081A	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	5.0	42
				Annual Mean	<5.0		
				Annual Max	<5.0		
alpha-BHC wet weight	EPA 8081A	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	1.2	10
				Annual Mean	<1.2		
				Annual Max	<1.2		
	EPA 8081A	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	1.2	9.9
				Annual Mean	<1.2		
				Annual Max	<1.2		
alpha-Chlordane wet weight	EPA 8081A	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	130	670
				Annual Mean	<130		
				Annual Max	<130		
	EPA 8081A	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	130	660
				Annual Mean	<130		
				Annual Max	<130		
beta-BHC	EPA 8081A	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	22	42
				Annual Mean	<22		
				Annual Max	<22		
beta-BHC wet weight	EPA 8081A	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	5.2	10
				Annual Mean	<5.2		
				Annual Max	<5.2		
	EPA 8081A	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	5.2	9.9
				Annual Mean	<5.2		
				Annual Max	<5.2		
Chlordane	EPA 8081A	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	160	420
				Annual Mean	<160		
				Annual Max	<160		
Chlordane wet weight	EPA 8081A	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	38	100
				Annual Mean	<38		
				Annual Max	<38		
	EPA 8081A	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	38	99
				Annual Mean	<38		
				Annual Max	<38		
delta-BHC	EPA 8081A	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	6.7	42
				Annual Mean	<6.7		
				Annual Max	<6.7		
delta-BHC wet weight	EPA 8081A	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	1.6	10
				Annual Mean	<1.6		
				Annual Max	<1.6		
	EPA 8081A	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	1.6	9.9
				Annual Mean	<1.6		
				Annual Max	<1.6		
Dieldrin	EPA 8081A	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	16	42
				Annual Mean	<16		
				Annual Max	<16		
Dieldrin wet weight	EPA 8081A	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	3.8	10
				Annual Mean	<3.8		
				Annual Max	<3.8		
	EPA 8081A	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	3.8	9.9
				Annual Mean	<3.8		
				Annual Max	<3.8		
Endosulfan 1	EPA 8081A	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	14	42
				Annual Mean	<14		
				Annual Max	<14		
Endosulfan 1 wet weight	EPA 8081A	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	3.4	10
				Annual Mean	<3.4		
				Annual Max	<3.4		
	EPA 8081A	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	3.4	9.9
				Annual Mean	<3.4		
				Annual Max	<3.4		

Endosulfan 2	EPA 8081A	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	16	42
				Annual Mean	<16		
				Annual Max	<16		
Endosulfan 2 wet weight	EPA 8081A	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	3.8	10
				Annual Mean	<3.8		
				Annual Max	<3.8		
	EPA 8081A	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	3.8	9.9
				Annual Mean	<3.8		
				Annual Max	<3.8		
Endosulfan Sulfate	EPA 8081A	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	18	42
				Annual Mean	<18		
				Annual Max	<18		
Endosulfan Sulfate wet weight	EPA 8081A	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	4.2	10
				Annual Mean	<4.2		
				Annual Max	<4.2		
	EPA 8081A	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	4.2	9.9
				Annual Mean	<4.2		
				Annual Max	<4.2		
Endrin	EPA 8081A	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	15	42
				Annual Mean	<15		
				Annual Max	<15		
Endrin Aldehyde	EPA 8081A	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	16	42
				Annual Mean	<16		
				Annual Max	<16		
Endrin Aldehyde wet weight	EPA 8081A	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	3.8	10
				Annual Mean	<3.8		
				Annual Max	<3.8		
	EPA 8081A	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	3.8	9.9
				Annual Mean	<3.8		
				Annual Max	<3.8		
Endrin Ketone	EPA 8081A	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	330	2800
				Annual Mean	<330		
				Annual Max	<330		
Endrin Ketone wet weight	EPA 8081A	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	79	670
				Annual Mean	<79		
				Annual Max	<79		
	EPA 8081A	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	78	660
				Annual Mean	<78		
				Annual Max	<78		
Endrin wet weight	EPA 8081A	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	3.6	10
				Annual Mean	<3.6		
				Annual Max	<3.6		
	EPA 8081A	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	3.6	9.9
				Annual Mean	<3.6		
				Annual Max	<3.6		
gamma-BHC	EPA 8081A	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	5.9	42
				Annual Mean	<5.9		
				Annual Max	<5.9		
gamma-BHC wet weight	EPA 8081A	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	1.4	10
				Annual Mean	<1.4		
				Annual Max	<1.4		
	EPA 8081A	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	1.4	9.9
				Annual Mean	<1.4		
				Annual Max	<1.4		
Heptachlor	EPA 8081A	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	20	42
				Annual Mean	<20		
				Annual Max	<20		
Heptachlor Epoxide	EPA 8081A	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	14	42
				Annual Mean	<14		
				Annual Max	<14		
Heptachlor Epoxide wet	EPA 8081A	µg/kg	Plant 1 Dewatering	01/04/2022	ND	3.4	10
				Annual Mean	<3.4		

weight			Cake	Annual Max	<3.4		
	EPA 8081A	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	3.4	9.9
				Annual Mean	<3.4		
				Annual Max	<3.4		
Heptachlor wet weight	EPA 8081A	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	4.8	10
				Annual Mean	<4.8		
				Annual Max	<4.8		
	EPA 8081A	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	4.8	9.9
				Annual Mean	<4.8		
				Annual Max	<4.8		
Kepone	EPA 8081A	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	88000	250000
				Annual Mean	<88000		
				Annual Max	<88000		
Kepone wet weight	EPA 8081A	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	21000	59000
				Annual Mean	<21000		
				Annual Max	<21000		
	EPA 8081A	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	21000	58000
				Annual Mean	<21000		
				Annual Max	<21000		
Methoxychlor	EPA 8081A	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	13	84
				Annual Mean	<13		
				Annual Max	<13		
Methoxychlor wet weight	EPA 8081A	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	3.0	20
				Annual Mean	<3.0		
				Annual Max	<3.0		
	EPA 8081A	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	3.0	20
				Annual Mean	<3.0		
				Annual Max	<3.0		
Mirex	EPA 8081A	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	1100	2800
				Annual Mean	<1100		
				Annual Max	<1100		
Mirex wet weight	EPA 8081A	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	260	670
				Annual Mean	<260		
				Annual Max	<260		
	EPA 8081A	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	260	660
				Annual Mean	<260		
				Annual Max	<260		
o,p'-DDD	EPA 8081A	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	590	2800
				Annual Mean	<590		
				Annual Max	<590		
o,p'-DDD wet weight	EPA 8081A	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	140	670
				Annual Mean	<140		
				Annual Max	<140		
	EPA 8081A	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	140	660
				Annual Mean	<140		
				Annual Max	<140		
o,p'-DDE	EPA 8081A	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	1100	2800
				Annual Mean	<1100		
				Annual Max	<1100		
o,p'-DDE wet weight	EPA 8081A	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	250	670
				Annual Mean	<250		
				Annual Max	<250		
	EPA 8081A	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	250	660
				Annual Mean	<250		
				Annual Max	<250		
o,p'-DDT	EPA 8081A	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	880	2800
				Annual Mean	<880		
				Annual Max	<880		
o,p'-DDT wet weight	EPA 8081A	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	210	670
				Annual Mean	<210		
				Annual Max	<210		
	EPA 8081A	µg/kg	Plant 2	01/04/2022	ND	210	660

			Dewatering Cake	Annual Mean	<210		
				Annual Max	<210		
p,p'-DDD	EPA 8081A	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	20	42
				Annual Mean	<20		
				Annual Max	<20		
p,p'-DDD wet weight	EPA 8081A	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	4.8	10
				Annual Mean	<4.8		
				Annual Max	<4.8		
	EPA 8081A	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	4.8	9.9
				Annual Mean	<4.8		
				Annual Max	<4.8		
p,p'-DDE	EPA 8081A	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	18	42
				Annual Mean	<18		
				Annual Max	<18		
p,p'-DDE wet weight	EPA 8081A	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	4.4	10
				Annual Mean	<4.4		
				Annual Max	<4.4		
	EPA 8081A	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	4.4	9.9
				Annual Mean	<4.4		
				Annual Max	<4.4		
p,p'-DDT	EPA 8081A	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	29	42
				Annual Mean	<29		
				Annual Max	<29		
p,p'-DDT wet weight	EPA 8081A	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	7.0	10
				Annual Mean	<7.0		
				Annual Max	<7.0		
	EPA 8081A	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	6.9	9.9
				Annual Mean	<6.9		
				Annual Max	<6.9		
Total DDTs	EPA 8081A	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	1100	2800
				Annual Mean	<1100		
				Annual Max	<1100		
Total DDTs wet weight	EPA 8081A	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	250	670
				Annual Mean	<250		
				Annual Max	<250		
	EPA 8081A	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	250	660
				Annual Mean	<250		
				Annual Max	<250		
Total Heptachlors	EPA 8081A	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	20	42
				Annual Mean	<20		
				Annual Max	<20		
Total Heptachlors wet weight	EPA 8081A	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	4.8	10
				Annual Mean	<4.8		
				Annual Max	<4.8		
	EPA 8081A	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	4.8	9.9
				Annual Mean	<4.8		
				Annual Max	<4.8		
Toxaphene	EPA 8081A	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	160	840
				Annual Mean	<160		
				Annual Max	<160		
Toxaphene wet weight	EPA 8081A	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	37	200
				Annual Mean	<37		
				Annual Max	<37		
	EPA 8081A	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	37	200
				Annual Mean	<37		
				Annual Max	<37		
trans-Chlordane wet weight	EPA 8081A	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	100	670
				Annual Mean	<100		
				Annual Max	<100		
	EPA 8081A	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	100	660
				Annual Mean	<100		
				Annual Max	<100		

Appendix C: Summary of Biosolids Monitoring Results

PCBs	PCB 1016	EPA 8082	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	200	420
					Annual Mean	<200		
					Annual Max	<200		
	PCB 1016 wet weight	EPA 8082	mg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	0.047	0.099
					Annual Mean	<0.047		
					Annual Max	<0.047		
		EPA 8082	mg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	0.047	0.10
					Annual Mean	<0.047		
					Annual Max	<0.047		
	PCB 1221	EPA 8082	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	240	420
					Annual Mean	<240		
					Annual Max	<240		
	PCB 1221 wet weight	EPA 8082	mg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	0.057	0.099
					Annual Mean	<0.057		
					Annual Max	<0.057		
		EPA 8082	mg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	0.057	0.10
					Annual Mean	<0.057		
					Annual Max	<0.057		
	PCB 1232	EPA 8082	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	260	420
					Annual Mean	<260		
					Annual Max	<260		
	PCB 1232 wet weight	EPA 8082	mg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	0.062	0.099
					Annual Mean	<0.062		
					Annual Max	<0.062		
		EPA 8082	mg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	0.063	0.10
					Annual Mean	<0.063		
					Annual Max	<0.063		
	PCB 1242	EPA 8082	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	130	420
					Annual Mean	<130		
					Annual Max	<130		
	PCB 1242 wet weight	EPA 8082	mg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	0.030	0.099
					Annual Mean	<0.030		
					Annual Max	<0.030		
		EPA 8082	mg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	0.030	0.10
					Annual Mean	<0.030		
					Annual Max	<0.030		
	PCB 1248	EPA 8082	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	130	420
					Annual Mean	<130		
					Annual Max	<130		
	PCB 1248 wet weight	EPA 8082	mg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	0.031	0.099
					Annual Mean	<0.031		
					Annual Max	<0.031		
		EPA 8082	mg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	0.032	0.10
					Annual Mean	<0.032		
					Annual Max	<0.032		
	PCB 1254	EPA 8082	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	130	420
					Annual Mean	<130		
					Annual Max	<130		
	PCB 1254 wet weight	EPA 8082	mg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	0.030	0.099
					Annual Mean	<0.030		
					Annual Max	<0.030		
		EPA 8082	mg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	0.031	0.10
					Annual Mean	<0.031		
					Annual Max	<0.031		
	PCB 1260	EPA 8082	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	130	420
					Annual Mean	<130		
					Annual Max	<130		
	PCB 1260 wet weight	EPA 8082	mg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	0.030	0.099
					Annual Mean	<0.030		
					Annual Max	<0.030		
		EPA 8082	mg/kg	Plant 2 Dewatering	01/04/2022	ND	0.031	0.10
					Annual Mean	<0.031		

Appendix C: Summary of Biosolids Monitoring Results

				Cake	Annual Max	<0.031		
	Total PCBs	EPA 8082	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	0.26	0.42
					Annual Mean	<0.26		
					Annual Max	<0.26		
	Total PCBs wet weight	EPA 8082	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	0.062	0.099
					Annual Mean	<0.062		
					Annual Max	<0.062		
		EPA 8082	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	0.063	0.10
					Annual Mean	<0.063		
					Annual Max	<0.063		
Herbicides	2,4,5-TP (Silvex)	EPA 8151A	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	130	250
					Annual Mean	<130		
					Annual Max	<130		
	2,4,5-TP (Silvex) wet weight	EPA 8151A	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	30	60.1
					Annual Mean	<30		
					Annual Max	<30		
		EPA 8151A	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	15	30.3
					Annual Mean	<15		
					Annual Max	<15		
	2,4-D	EPA 8151A	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	1700	3400
					Annual Mean	<1700		
					Annual Max	<1700		
	2,4-D wet weight	EPA 8151A	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	400	801
					Annual Mean	<400		
					Annual Max	<400		
		EPA 8151A	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	200	404
					Annual Mean	<200		
					Annual Max	<200		
	Pentachlorophenol	EPA 8151A	µg/kg dry	Plant 1 Dewatering Cake	01/04/2022	ND	170	340
					Annual Mean	<170		
					Annual Max	<170		
	Pentachlorophenol wet weight	EPA 8151A	µg/kg	Plant 1 Dewatering Cake	01/04/2022	ND	40	80.1
					Annual Mean	<40		
					Annual Max	<40		
		EPA 8151A	µg/kg	Plant 2 Dewatering Cake	01/04/2022	ND	20	40.4
					Annual Mean	<20		
					Annual Max	<20		
Dioxins/Furans	2,3,7,8-TCDD	EPA 1613B	pg/g	Plant 1 Dewatering Cake	01/04/2022	ND	0.23	0.99
					Annual Mean	<0.23		
					Annual Max	<0.23		
			pg/g dry	Plant 1 Dewatering Cake	01/04/2022	ND	0.97	4.2
					Annual Mean	<0.97		
					Annual Max	<0.97		
		EPA 1613B	pg/g	Plant 2 Dewatering Cake	01/04/2022	ND	0.22	0.99
					Annual Mean	<0.22		
					Annual Max	<0.22		
Other	Asbestos	EPA/600/R-93/116	%	Plant 1 Dewatering Cake	01/04/2022	ND	--	1
					07/12/2022	ND	--	1
					Annual Mean	<1		
					Annual Max	<1		
			% dry weight	Plant 1 Dewatering Cake	01/04/2022	ND	--	4
					07/12/2022	ND	--	4
					Annual Mean	<4		
					Annual Max	<4		
		EPA/600/R-93/116	%	Plant 2 Dewatering Cake	01/04/2022	ND	--	1
					07/12/2022	ND	--	1
					Annual Mean	<1		
					Annual Max	<1		
			% dry weight	Plant 2 Dewatering Cake	07/12/2022	ND	--	4
					Annual Mean	<4		
					Annual Max	<4		

Appendix C: Summary of Biosolids Monitoring Results

DEFINITIONS AND FOOTNOTES

Definitions:

ND = Not Detected

DNQ = Detected, Not Quantified; represents estimated values above the method detection limit (MDL), but below the reporting limit (RL).

N/A = Not Applicable

Annual Mean:

- If all results for a parameter were ND, the Annual Mean is reported as < the highest MDL (or RL if not MDL) for that parameter during the year.
- If only some results for a parameter were ND, the ND is replaced by the MDL value for calculating the Annual Mean
- For any parameter that had a DNQ result, the Annual Mean is also designated as DNQ.

Annual Max:

- If all results for a parameter were ND, the Annual Max is reported as < the highest MDL (or RL if not MDL) for that parameter during the year.
- Quantified values take priority for determining the maximum (ND and DNQ values are ignored). If there are only ND and DNQ values, the highest DNQ value is reported as the maximum with a DNQ notation.

Footnotes:

- Due to laboratory instrumentation issues and hold times limitations, the Ammonia values for 1/4/2022, 5/3/2022 and 5/10/2022 were analyzed at a laboratory that did not have AZ Certification.

APPENDIX D- EPA Biosolids Annual Report Electronic Forms

EPA Biosolids Annual Report Electronic Form, Plant No. 1
EPA Biosolids Annual Report Electronic Form, Plant No. 2

NPDES FORM 6100-035		UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, DC 20460 BIOSOLIDS ANNUAL REPORT	Form Approved. OMB No. 2040-0004. Exp. 03/31/2022

EPA's sewage sludge regulations require certain publicly owned treatment works (POTWs) and Class I sewage sludge management facilities to submit to a Sewage Sludge (Biosolids) Annual Report (see 40 CFR 503.18 (https://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_118), 503.28 (https://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_128), 503.48 (https://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_148)). Facilities that must submit a Sewage Sludge (Biosolids) Annual Report include POTWs with a design flow rate equal to or greater than one million gallons per day, POTWs that serve 10,000 people or more, Class I Sludge Management Facilities (as defined by 40 CFR 503.9 (https://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_19)), and facilities otherwise required to file this report (e.g., permit condition, enforcement action, state law). This is the electronic form for Sewage Sludge (Biosolids) Annual Report filers to use if they are located in one of the states, tribes, or territories (https://www.epa.gov/npdes/npdes-state-program-information) where EPA administers the Federal biosolids program.

For the purposes of this form, the term 'sewage sludge (https://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_19)' also refers to the material that is commonly referred to as 'biosolids'. EPA does not have a regulatory definition for biosolids but this material is commonly referred to as sewage sludge that is placed on, or applied to the land to use the beneficial properties of the material as a soil amendment, conditioner, or fertilizer. EPA's use of the term 'biosolids' in this form is to confirm that information about beneficially used sewage sludge (a.k.a. biosolids) should be reported on this form.

Public Availability of Information Submitted on and with General Permit Reports

EPA may make all the information submitted through this form (including all attachments) available to the public without further notice to you. Do not use this online form to submit personal information (e.g., non-business cell phone number or non-business email address), confidential business information (CBI), or if you intend to assert a CBI claim on any of the submitted information. Pursuant to 40 CFR 2.203(a), EPA is providing you with notice that all CBI claims must be asserted at the time of submission. EPA cannot accommodate a late CBI claim to cover previously submitted information because efforts to protect the information are not administratively practicable since it may already be disclosed to the public. Although we do not foresee a need for persons to assert a claim of CBI based on the types of information requested in this form, if persons wish to assert a CBI claim we direct submitters to contact the NPDES eReporting Help Desk (NPDESeReporting@epa.gov (mailto:NPDESereporting@epa.gov)) for further guidance.

Please note that EPA may contact you after you submit this report for more information regarding your sewage sludge management program.

This collection of information is approved by OMB under the Paperwork Reduction Act, 44 U.S.C. 3501 et seq. (OMB Control No. 2040-0004). Responses to this collection of information are mandatory in accordance with EPA regulations (40 CFR 503.18, 503.28, and 503.48). An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. The public reporting and recordkeeping burden for this collection of information are estimated to average 3 hours per response. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates and any suggested methods for minimizing respondent burden including through the use of automated collection techniques to the Director, Regulatory Support Division, U.S. Environmental Protection Agency (2821T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.

Facility Information

Facility Name: ORANGE COUNTY SD #1

NPDES ID: CAL110604

Program Information

Please select all of the following that apply to your obligation to submit a Sewage Sludge (Biosolids) Annual Report in compliance with 40 CFR part 503. The facility is:

- a POTW with a design flow rate equal to or greater than one million gallons per day
- a POTW that serves 10,000 people or more

In the reporting period, did you manage your sewage sludge or biosolids using any of the following management practices: land application, surface disposal, or incineration?

☑ YES ☐ NO

If your facility is a POTW, please provide the estimated total amount of sewage sludge produced at your facility for the reporting period (in dry metric tons). If your facility is not a POTW, please provide the estimated total amount of biosolids produced at your facility for the reporting period (in dry metric tons).

27994

Reporting Period Start Date: 01/01/2022

Reporting Period End Date: 12/31/2022

Treatment Processes

Processes to Significantly Reduce Pathogens (PSRP):

Anaerobic Digestion

Processes to Further Reduce Pathogens (PFRP):

Physical Treatment Options:
Preliminary Operations (e.g., sludge grinding, degritting, blending)
Thickening (e.g., Gravity and/or Flotation Thickening, Centrifugation, Belt Filter Press, Vacuum Filter, Screw Press)

Other Processes to Manage Sewage Sludge:
Methane or Biogas Capture and Recovery

Analytical Methods

Did you or your facility collect sewage sludge or biosolids samples for laboratory analysis? ☑ YES ☐ NO

Analytical Methods

- EPA Method 6010 - Arsenic (ICP-OES)
- EPA Method 6010 - Cadmium (ICP-OES)
- EPA Method 6010 - Chromium (ICP-OES)
- EPA Method 6010 - Copper (ICP-OES)
- EPA Method 6010 - Lead (ICP-OES)
- EPA Method 6010 - Molybdenum (ICP-OES)
- EPA Method 6010 - Nickel (ICP-OES)
- EPA Method 6010 - Selenium (ICP-OES)
- EPA Method 6010 - Zinc (ICP-OES)
- EPA Method 6010 - Beryllium (ICP-OES)
- EPA Method 351.2 - Total Kjeldahl Nitrogen
- Standard Method 4500-N - Nitrogen
- Standard Method 2540 - Total Solids
- Standard Method 2540 - Volatile Solids
- EPA Method 9045 - pH (> 7% solids)

Other Analytical Methods

- Other Nitrogen Analytical Method

Other Analytical Methods Text Area:

EPA 300.0

Sludge Management - Land Application

ID: 012

Amount: 5743

Management Practice Detail: Agricultural Land Application

Bulk or Bag/Container: Bulk

Handler, Preparer, or Applier Type: Off-Site Third-Party Handler or Applier

NPDES ID of handler:

Facility Information:
Tule/Ag Tech
4324 Ashlan Ave
Fresno, CA 93726
US

Contact Information:
Kurt Wyrick
Controller
559-222-7736 ext. 102
kurt@westexp.com

Pathogen Class: Class B

Sewage Sludge or Biosolids Pathogen Reduction Options:

- Class B-Alternative 2 PSRP 3: Anaerobic Digestion

Sewage Sludge or Biosolids Vector Attraction Reduction Options:

- Option 1 - Volatile Solids Reduction
- Option 10 - Sewage Sludge Timely Incorporation into Land

Did the facility land apply bulk sewage sludge when one or more pollutants in the sewage sludge exceeded 90 percent or more of any of the cumulative pollutant loading rates in Table 2 of 40 CFR 503.13?

☐ YES ☑ NO ☐ UNKNOWN

Monitoring Data

INSTRUCTIONS: Pollutants, pathogen densities, and vector attraction reduction must be monitored when sewage sludge or biosolids are applied to the land. Please use the following section to report monitoring data for the land application conducted by you or your facility in the reporting period for this SSUID. These monitoring data should be representative of the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID (40 CFR 503.8(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_18)). All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis. EPA will be using these data to demonstrate compliance with EPA's land application requirements (40 CFR 503, Subpart B).

Compliance Monitoring Periods

INSTRUCTIONS: Please use the table below to identify the start date and end date for each compliance monitoring period. You can adjust the start and end dates as needed. Please note that the compliance monitoring periods cannot overlap and that each compliance monitoring period must have a start date that is equal to or less than the end date. The number of compliance monitoring periods is based on the number of metric tons (dry weight basis) of sewage sludge or biosolids land applied in the reporting period (summed across all land application SSUIDs). For example, you will need to provide monitoring data for 12 compliance monitoring periods for each land application SSUID when you land apply 15,000 or more metric tons (dry weight basis) of sewage sludge or biosolids (summed across all land application SSUIDs) in the reporting period (see 40 CFR 503.16 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_116)).

Compliance Monitoring Event No. 1 | **Compliance Monitoring Period Start Date:** 01/01/2022 | **Compliance Monitoring Period End Date:** 02/28/2022

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☐ YES ☑ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's regulations prohibit land application of bulk sewage sludge or sewage sludge sold or gave away sewage sludge in a bag or other container when one or more sewage sludge pollutant concentrations in the sewage sludge exceed a land application ceiling pollutant limit (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	11	
Cadmium	=	1.3	
Copper	=	510	
Lead	=	6.6	
Mercury	=	1	
Molybdenum	=	17	
Nickel	=	27	

Nickel	=	27	
Selenium	=	11	
Zinc	=	830	

Pathogen And Vector Attraction Reduction

Note: Pathogenic organisms are disease-causing organisms. These include, but are not limited to, certain bacteria, protozoa, viruses, and viable helminth ova [see 40 CFR 503.31(f) (https://www.ecfr.gov/current/title-40/chapter-I/subchapter-O/part-503/subpart-D/section-503.31#p-503.31(f))]. The following units should be used for pathogen data (see 40 CFR 503.32 (https://www.ecfr.gov/current/title-40/chapter-I/subchapter-O/part-503/subpart-D/section-503.32)):

- Density of fecal coliform in the sewage sludge shall be reported as Most Probable Number per gram of total solids (dry weight basis).
  - When using the Class B - Alternative 1 management option, the density of fecal coliform in the sewage sludge shall be reported as Most Probable Number or Colony Forming Units per gram of total solids (dry weight basis) expressed as the geometric mean of the results of seven individual samples of sewage sludge.
- Density of Salmonella sp. bacteria in the sewage sludge shall be reported as Most Probable Number per four grams of total solids (dry weight basis).
- Density of enteric viruses shall be reported as plaque-forming unit per four grams of total solids (dry weight basis).
- Density of Helminth Ova. shall be reported as viable helminth ovum per four grams of total solids (dry weight basis).

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Vector Attraction Reduction Selected Options	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	Option 1 - Volatile Solids Reduction	=	66	

Note: Vector attraction is the characteristic of sewage sludge that attracts rodents, flies, mosquitos, or other organisms capable of transporting infectious agents [see 40 CFR 503.31(k) (https://www.ecfr.gov/current/title-40/chapter-I/subchapter-O/part-503/subpart-D/section-503.31#p-503.31(k))]. The following units should be used for vector attraction reduction data (see 40 CFR 503.33) (https://www.ecfr.gov/current/title-40/chapter-I/subchapter-O/part-503/subpart-D/section-503.33):

- Solids, total volatile, shall be reported as percent removal. See calculation procedures in "Environmental Regulations and Technology - Control of Pathogens and Vector Attraction in Sewage Sludge" (https://www.epa.gov/biosolids/control-pathogens-and-vector-attraction-sewage-sludge), EPA-625/R-92/013, 1992, U.S. Environmental Protection Agency, Cincinnati, Ohio 45268) [see 40 CFR 503.33(b)(1) (https://www.ecfr.gov/current/title-40/chapter-I/subchapter-O/part-503/subpart-D/section-503.33#p-503.33(b)(1))]. Volatile solids is the amount of the total solids in sewage sludge lost when the sewage sludge is combusted at 550 degrees Celsius in the presence of excess air [see 40 CFR 503.31(l) (https://www.ecfr.gov/current/title-40/chapter-I/subchapter-O/part-503/subpart-D/section-503.31#p-503.31(l))].
- Specific Oxygen Update Rate (SOUR) shall be reported as milligrams of oxygen per hour per gram of total solids (dry weight basis) at a temperature of 20 degrees Celsius. SOUR is the mass of oxygen consumed per unit time per unit mass of total solids (dry weight basis) in the sewage sludge [see 40 CFR 503.31(h) (https://www.ecfr.gov/current/title-40/chapter-I/subchapter-O/part-503/subpart-D/section-503.31#p-503.31(h))].

Monthly Average Pollutant Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	J (Below RL but Above MDL)	9.9	
Cadmium	=	1.1	
Copper	=	427.5	
Lead	=	5.6	
Mercury	=	0.65	
Nickel	=	24.5	
Selenium	=	8	
Zinc	=	722.5	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	58000	

Compliance Monitoring Event No. 2 **Compliance Monitoring Period Start Date:** 03/01/2022 **Compliance Monitoring Period End Date:** 04/30/2022

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☐ YES ☑ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's regulations prohibit land application of bulk sewage sludge or sewage sludge sold or gave away sewage sludge in a bag or other container when one or more sewage sludge pollutant concentrations in the sewage sludge exceed a land application ceiling pollutant limit (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	J (Below RL but Above MDL)	8.4	
Cadmium	=	1.8	
Copper	=	510	
Lead	=	6.4	
Mercury	=	0.6	
Molybdenum	=	17	
Nickel	=	28.5	
Selenium	=	9.3	
Zinc	=	810	

Pathogen And Vector Attraction Reduction

Note: Pathogenic organisms are disease-causing organisms. These include, but are not limited to, certain bacteria, protozoa, viruses, and viable helminth ova [see 40 CFR 503.31(f) (https://www.ecfr.gov/current/title-40/chapter-I/subchapter-O/part-503/subpart-D/section-503.31#p-503.31(f))]. The following units should be used for pathogen data (see 40 CFR 503.32 (https://www.ecfr.gov/current/title-40/chapter-I/subchapter-O/part-503/subpart-D/section-503.32)):

- Density of fecal coliform in the sewage sludge shall be reported as Most Probable Number per gram of total solids (dry weight basis).
  - When using the Class B - Alternative 1 management option, the density of fecal coliform in the sewage sludge shall be reported as Most Probable Number or Colony Forming Units per gram of total solids (dry weight basis) expressed as the geometric mean of the results of seven individual samples of sewage sludge.
- Density of Salmonella sp. bacteria in the sewage sludge shall be reported as Most Probable Number per four grams of total solids (dry weight basis).
- Density of enteric viruses shall be reported as plaque-forming unit per four grams of total solids (dry weight basis).
- Density of Helminth Ova. shall be reported as viable helminth ovum per four grams of total solids (dry weight basis).

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Vector Attraction Reduction Selected Options	Value Qualifier	Value	If No Data, Select One Of The Following

Solids, total volatile percent removal	Option 1 - Volatile Solids Reduction	=	54.8	

Note: Vector attraction is the characteristic of sewage sludge that attracts rodents, flies, mosquitos, or other organisms capable of transporting infectious agents [see 40 CFR 503.31(k) (https://www.ecfr.gov/current/title-40/chapter-I/subchapter-O/part-503/subpart-D/section-503.31#p-503.31(k))]. The following units should be used for vector attraction reduction data (see 40 CFR 503.33) (https://www.ecfr.gov/current/title-40/chapter-I/subchapter-O/part-503/subpart-D/section-503.33):

- Solids, total volatile, shall be reported as percent removal. See calculation procedures in "Environmental Regulations and Technology - Control of Pathogens and Vector Attraction in Sewage Sludge" (https://www.epa.gov/biosolids/control-pathogens-and-vector-attraction-sewage-sludge), EPA-625/R-92/013, 1992, U.S. Environmental Protection Agency, Cincinnati, Ohio 45268) [see 40 CFR 503.33(b)(1) (https://www.ecfr.gov/current/title-40/chapter-I/subchapter-O/part-503/subpart-D/section-503.33#p-503.33(b)(1))]. Volatile solids is the amount of the total solids in sewage sludge lost when the sewage sludge is combusted at 550 degrees Celsius in the presence of excess air [see 40 CFR 503.31(l) (https://www.ecfr.gov/current/title-40/chapter-I/subchapter-O/part-503/subpart-D/section-503.31#p-503.31(l))].
- Specific Oxygen Update Rate (SOUR) shall be reported as milligrams of oxygen per hour per gram of total solids (dry weight basis) at a temperature of 20 degrees Celsius. SOUR is the mass of oxygen consumed per unit time per unit mass of total solids (dry weight basis) in the sewage sludge [see 40 CFR 503.31(h) (https://www.ecfr.gov/current/title-40/chapter-I/subchapter-O/part-503/subpart-D/section-503.31#p-503.31(h))].

Monthly Average Pollutant Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	J (Below RL but Above MDL)	8.2	
Cadmium	=	1.5	
Copper	=	485	
Lead	=	5.9	
Mercury	=	0.58	
Nickel	=	27.8	
Selenium	=	8.2	
Zinc	=	805	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	75000	

Compliance Monitoring Event No. 3 **Compliance Monitoring Period Start Date:** 05/01/2022 **Compliance Monitoring Period End Date:** 06/30/2022

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☐ YES ☑ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's regulations prohibit land application of bulk sewage sludge or sewage sludge sold or gave away sewage sludge in a bag or other container when one or more sewage sludge pollutant concentrations in the sewage sludge exceed a land application ceiling pollutant limit (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	J (Below RL but Above MDL)	8.4	
Cadmium	=	1.2	
Copper	=	480	
Lead	=	7.7	
Mercury	=	0.9	
Molybdenum	=	15.5	
Nickel	=	31	
Selenium	=	8.1	
Zinc	=	810	

Pathogen And Vector Attraction Reduction

Note: Pathogenic organisms are disease-causing organisms. These include, but are not limited to, certain bacteria, protozoa, viruses, and viable helminth ova [see 40 CFR 503.31(f) (https://www.ecfr.gov/current/title-40/chapter-I/subchapter-O/part-503/subpart-D/section-503.31#p-503.31(f))]. The following units should be used for pathogen data (see 40 CFR 503.32 (https://www.ecfr.gov/current/title-40/chapter-I/subchapter-O/part-503/subpart-D/section-503.32)):

- Density of fecal coliform in the sewage sludge shall be reported as Most Probable Number per gram of total solids (dry weight basis).
  - When using the Class B - Alternative 1 management option, the density of fecal coliform in the sewage sludge shall be reported as Most Probable Number or Colony Forming Units per gram of total solids (dry weight basis) expressed as the geometric mean of the results of seven individual samples of sewage sludge.
- Density of Salmonella sp. bacteria in the sewage sludge shall be reported as Most Probable Number per four grams of total solids (dry weight basis).
- Density of enteric viruses shall be reported as plaque-forming unit per four grams of total solids (dry weight basis).
- Density of Helminth Ova. shall be reported as viable helminth ovum per four grams of total solids (dry weight basis).

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Vector Attraction Reduction Selected Options	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	Option 1 - Volatile Solids Reduction	=	56.8	

Note: Vector attraction is the characteristic of sewage sludge that attracts rodents, flies, mosquitos, or other organisms capable of transporting infectious agents [see 40 CFR 503.31(k) (https://www.ecfr.gov/current/title-40/chapter-I/subchapter-O/part-503/subpart-D/section-503.31#p-503.31(k))]. The following units should be used for vector attraction reduction data (see 40 CFR 503.33) (https://www.ecfr.gov/current/title-40/chapter-I/subchapter-O/part-503/subpart-D/section-503.33):

- Solids, total volatile, shall be reported as percent removal. See calculation procedures in "Environmental Regulations and Technology - Control of Pathogens and Vector Attraction in Sewage Sludge" (https://www.epa.gov/biosolids/control-pathogens-and-vector-attraction-sewage-sludge), EPA-625/R-92/013, 1992, U.S. Environmental Protection Agency, Cincinnati, Ohio 45268) [see 40 CFR 503.33(b)(1) (https://www.ecfr.gov/current/title-40/chapter-I/subchapter-O/part-503/subpart-D/section-503.33#p-503.33(b)(1))]. Volatile solids is the amount of the total solids in sewage sludge lost when the sewage sludge is combusted at 550 degrees Celsius in the presence of excess air [see 40 CFR 503.31(l) (https://www.ecfr.gov/current/title-40/chapter-I/subchapter-O/part-503/subpart-D/section-503.31#p-503.31(l))].
- Specific Oxygen Update Rate (SOUR) shall be reported as milligrams of oxygen per hour per gram of total solids (dry weight basis) at a temperature of 20 degrees Celsius. SOUR is the mass of oxygen consumed per unit time per unit mass of total solids (dry weight basis) in the sewage sludge [see 40 CFR 503.31(h) (https://www.ecfr.gov/current/title-40/chapter-I/subchapter-O/part-503/subpart-D/section-503.31#p-503.31(h))].

Monthly Average Pollutant Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	J (Below RL but Above MDL)	7.8	

Cadmium	=	1.1	
Copper	=	452.5	
Lead	=	6.5	
Mercury	=	0.66	
Nickel	=	28.3	
Selenium	=	7.3	
Zinc	=	757.5	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	77500	

Compliance Monitoring Event No. 4 **Compliance Monitoring Period Start Date:** 07/01/2022 **Compliance Monitoring Period End Date:** 08/31/2022

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☐ YES ☑ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's regulations prohibit land application of bulk sewage sludge or sewage sludge sold or gave away sewage sludge in a bag or other container when one or more sewage sludge pollutant concentrations in the sewage sludge exceed a land application ceiling pollutant limit (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	J (Below RL but Above MDL)	8.4	
Cadmium	=	1	
Copper	=	490	
Lead	=	4.9	
Mercury	=	0.7	
Molybdenum	=	17	
Nickel	=	31	
Selenium	=	8.2	
Zinc	=	850	

Pathogen And Vector Attraction Reduction

Note: Pathogenic organisms are disease-causing organisms. These include, but are not limited to, certain bacteria, protozoa, viruses, and viable helminth ova [see 40 CFR 503.31(f) (https://www.ecfr.gov/current/title-40/chapter-I/subchapter-O/part-503/subpart-D/section-503.31#p-503.31(f))]. The following units should be used for pathogen data (see 40 CFR 503.32 (https://www.ecfr.gov/current/title-40/chapter-I/subchapter-O/part-503/subpart-D/section-503.32)):

- Density of fecal coliform in the sewage sludge shall be reported as Most Probable Number per gram of total solids (dry weight basis).
    - When using the Class B - Alternative 1 management option, the density of fecal coliform in the sewage sludge shall be reported as Most Probable Number or Colony Forming Units per gram of total solids (dry weight basis) expressed as the geometric mean of the results of seven individual samples of sewage sludge.
- Density of Salmonella sp. bacteria in the sewage sludge shall be reported as Most Probable Number per four grams of total solids (dry weight basis).
- Density of enteric viruses shall be reported as plaque-forming unit per four grams of total solids (dry weight basis).
- Density of Helminth Ova. shall be reported as viable helminth ovum per four grams of total solids (dry weight basis).

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Vector Attraction Reduction Selected Options	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	Option 1 - Volatile Solids Reduction	=	60.4	

Note: Vector attraction is the characteristic of sewage sludge that attracts rodents, flies, mosquitos, or other organisms capable of transporting infectious agents [see 40 CFR 503.31(k) (https://www.ecfr.gov/current/title-40/chapter-I/subchapter-O/part-503/subpart-D/section-503.31#p-503.31(k))]. The following units should be used for vector attraction reduction data (see 40 CFR 503.33) (https://www.ecfr.gov/current/title-40/chapter-I/subchapter-O/part-503/subpart-D/section-503.33):

- Solids, total volatile, shall be reported as percent removal. See calculation procedures in "Environmental Regulations and Technology - Control of Pathogens and Vector Attraction in Sewage Sludge" (https://www.epa.gov/biosolids/control-pathogens-and-vector-attraction-sewage-sludge), EPA-625/R-92/013, 1992, U.S. Environmental Protection Agency, Cincinnati, Ohio 45268) [see 40 CFR 503.33(b)(1) (https://www.ecfr.gov/current/title-40/chapter-I/subchapter-O/part-503/subpart-D/section-503.33#p-503.33(b)(1))]. Volatile solids is the amount of the total solids in sewage sludge lost when the sewage sludge is combusted at 550 degrees Celsius in the presence of excess air [see 40 CFR 503.31(l) (https://www.ecfr.gov/current/title-40/chapter-I/subchapter-O/part-503/subpart-D/section-503.31#p-503.31(l))].
- Specific Oxygen Update Rate (SOUR) shall be reported as milligrams of oxygen per hour per gram of total solids (dry weight basis) at a temperature of 20 degrees Celsius. SOUR is the mass of oxygen consumed per unit time per unit mass of total solids (dry weight basis) in the sewage sludge [see 40 CFR 503.31(h) (https://www.ecfr.gov/current/title-40/chapter-I/subchapter-O/part-503/subpart-D/section-503.31#p-503.31(h))].

Monthly Average Pollutant Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	J (Below RL but Above MDL)	8.2	
Cadmium	=	0.79	
Copper	=	455	
Lead	=	3.5	
Mercury	=	0.67	
Nickel	=	28.5	
Selenium	=	7.9	
Zinc	=	807.5	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	60750	

Compliance Monitoring Event No. 5 | **Compliance Monitoring Period Start Date:** 09/01/2022 | **Compliance Monitoring Period End Date:** 10/31/2022

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☐ YES ☑ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's regulations prohibit land application of bulk sewage sludge or sewage sludge sold or gave away sewage sludge in a bag or other container when one or more sewage sludge pollutant concentrations in the sewage sludge exceed a land application ceiling pollutant limit (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	<	12	
Cadmium	=	1.6	
Copper	=	520	
Lead	=	4.6	
Mercury	=	0.9	
Molybdenum	=	18	
Nickel	=	36	
Selenium	=	10	
Zinc	=	880	

Pathogen And Vector Attraction Reduction

Note: Pathogenic organisms are disease-causing organisms. These include, but are not limited to, certain bacteria, protozoa, viruses, and viable helminth ova [see 40 CFR 503.31(f) (https://www.ecfr.gov/current/title-40/chapter-I/subchapter-O/part-503/subpart-D/section-503.31#p-503.31(f))]. The following units should be used for pathogen data (see 40 CFR 503.32 (https://www.ecfr.gov/current/title-40/chapter-I/subchapter-O/part-503/subpart-D/section-503.32)):

- Density of fecal coliform in the sewage sludge shall be reported as Most Probable Number per gram of total solids (dry weight basis).
  - When using the Class B - Alternative 1 management option, the density of fecal coliform in the sewage sludge shall be reported as Most Probable Number or Colony Forming Units per gram of total solids (dry weight basis) expressed as the geometric mean of the results of seven individual samples of sewage sludge.
- Density of Salmonella sp. bacteria in the sewage sludge shall be reported as Most Probable Number per four grams of total solids (dry weight basis).
- Density of enteric viruses shall be reported as plaque-forming unit per four grams of total solids (dry weight basis).
- Density of Helminth Ova. shall be reported as viable helminth ovum per four grams of total solids (dry weight basis).

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Vector Attraction Reduction Selected Options	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	Option 1 - Volatile Solids Reduction	=	48.7	

Note: Vector attraction is the characteristic of sewage sludge that attracts rodents, flies, mosquitos, or other organisms capable of transporting infectious agents [see 40 CFR 503.31(k) (https://www.ecfr.gov/current/title-40/chapter-I/subchapter-O/part-503/subpart-D/section-503.31#p-503.31(k))]. The following units should be used for vector attraction reduction data (see 40 CFR 503.33) (https://www.ecfr.gov/current/title-40/chapter-I/subchapter-O/part-503/subpart-D/section-503.33):

- Solids, total volatile, shall be reported as percent removal. See calculation procedures in "Environmental Regulations and Technology - Control of

Pathogens and Vector Attraction in Sewage Sludge" (https://www.epa.gov/biosolids/control-pathogens-and-vector-attraction-sewage-sludge), EPA-625/R-92/013, 1992, U.S. Environmental Protection Agency, Cincinnati, Ohio 45268) [see 40 CFR 503.33(b)(1) (https://www.ecfr.gov/current/title-40/chapter-I/subchapter-O/part-503/subpart-D/section-503.33#p-503.33(b)(1))]. Volatile solids is the amount of the total solids in sewage sludge lost when the sewage sludge is combusted at 550 degrees Celsius in the presence of excess air [see 40 CFR 503.31(l) (https://www.ecfr.gov/current/title-40/chapter-I/subchapter-O/part-503/subpart-D/section-503.31#p-503.31(l))].

- Specific Oxygen Update Rate (SOUR) shall be reported as milligrams of oxygen per hour per gram of total solids (dry weight basis) at a temperature of 20 degrees Celsius. SOUR is the mass of oxygen consumed per unit time per unit mass of total solids (dry weight basis) in the sewage sludge [see 40 CFR 503.31(h) (https://www.ecfr.gov/current/title-40/chapter-I/subchapter-O/part-503/subpart-D/section-503.31#p-503.31(h))].

Monthly Average Pollutant Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	J (Below RL but Above MDL)	9	
Cadmium	=	1.4	
Copper	=	495	
Lead	=	3.2	
Mercury	=	0.75	
Nickel	=	31.8	
Selenium	=	8.5	
Zinc	=	810	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	34250	

Compliance Monitoring Event No. 6 **Compliance Monitoring Period Start Date:** 11/01/2022 **Compliance Monitoring Period End Date:** 12/31/2022

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☐ YES ☑ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's regulations prohibit land application of bulk sewage sludge or sewage sludge sold or gave away sewage sludge in a bag or other container when one or more sewage sludge pollutant concentrations in the sewage sludge exceed a land application ceiling pollutant limit (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following

Arsenic	=	9.8	
Cadmium	=	1.5	
Copper	=	520	
Lead	=	5.2	
Mercury	=	0.9	
Molybdenum	=	16	
Nickel	=	31	
Selenium	=	9.2	
Zinc	=	780	

Pathogen And Vector Attraction Reduction

Note: Pathogenic organisms are disease-causing organisms. These include, but are not limited to, certain bacteria, protozoa, viruses, and viable helminth ova [see 40 CFR 503.31(f) (https://www.ecfr.gov/current/title-40/chapter-I/subchapter-O/part-503/subpart-D/section-503.31#p-503.31(f))]. The following units should be used for pathogen data (see 40 CFR 503.32 (https://www.ecfr.gov/current/title-40/chapter-I/subchapter-O/part-503/subpart-D/section-503.32)):

- Density of fecal coliform in the sewage sludge shall be reported as Most Probable Number per gram of total solids (dry weight basis).
  - When using the Class B - Alternative 1 management option, the density of fecal coliform in the sewage sludge shall be reported as Most Probable Number or Colony Forming Units per gram of total solids (dry weight basis) expressed as the geometric mean of the results of seven individual samples of sewage sludge.
- Density of Salmonella sp. bacteria in the sewage sludge shall be reported as Most Probable Number per four grams of total solids (dry weight basis).
- Density of enteric viruses shall be reported as plaque-forming unit per four grams of total solids (dry weight basis).
- Density of Helminth Ova. shall be reported as viable helminth ovum per four grams of total solids (dry weight basis).

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Vector Attraction Reduction Selected Options	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	Option 1 - Volatile Solids Reduction	=	42.9	

Note: Vector attraction is the characteristic of sewage sludge that attracts rodents, flies, mosquitos, or other organisms capable of transporting infectious agents [see 40 CFR 503.31(k) (https://www.ecfr.gov/current/title-40/chapter-I/subchapter-O/part-503/subpart-D/section-503.31#p-503.31(k))]. The following units should be used for vector attraction reduction data (see 40 CFR 503.33) (https://www.ecfr.gov/current/title-40/chapter-I/subchapter-O/part-503/subpart-D/section-503.33):

- Solids, total volatile, shall be reported as percent removal. See calculation procedures in "Environmental Regulations and Technology - Control of Pathogens and Vector Attraction in Sewage Sludge" (https://www.epa.gov/biosolids/control-pathogens-and-vector-attraction-sewage-sludge), EPA-625/R-92/013, 1992, U.S. Environmental Protection Agency, Cincinnati, Ohio 45268) [see 40 CFR 503.33(b)(1) (https://www.ecfr.gov/current/title-40/chapter-I/subchapter-O/part-503/subpart-D/section-503.33#p-503.33(b)(1))]. Volatile solids is the amount of the total solids in sewage sludge lost when the sewage sludge is combusted at 550 degrees Celsius in the presence of excess air [see 40 CFR 503.31(l) (https://www.ecfr.gov/current/title-40/chapter-I/subchapter-O/part-503/subpart-D/section-503.31#p-503.31(l))].
- Specific Oxygen Update Rate (SOUR) shall be reported as milligrams of oxygen per hour per gram of total solids (dry weight basis) at a temperature of 20 degrees Celsius. SOUR is the mass of oxygen consumed per unit time per unit mass of total solids (dry weight basis) in the sewage sludge [see 40 CFR 503.31(h) (https://www.ecfr.gov/current/title-40/chapter-I/subchapter-O/part-503/subpart-D/section-503.31#p-503.31(h))].

Monthly Average Pollutant Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	J (Below RL but Above MDL)	9.1	
Cadmium	=	1.4	
Copper	=	495	
Lead	J (Below RL but Above MDL)	3.2	

Mercury	=	0.65	
Nickel	=	28.5	
Selenium	=	8.5	
Zinc	=	765	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	61750	

Sludge Management - Surface Disposal

Sludge Management - Incineration

Sludge Management - Other Management Practice

ID: 008

Amount: 56

Management Practice Detail: Use as Daily Cover for Municipal Landfill (under 40 CFR 258)

Handler, Preparer, or Applier Type: Off-Site Third-Party Handler or Applier

NPDES ID of handler:

Facility Information:
Orange County Waste Recycling-Prima Descheca Landfill
32250 Avenida La Pata
San Juan Capistrano, CA 92675
US

Contact Information:
Jeff Arbour
Environmental Services Manager
714-834-4056
jeff.arbour@ocwr.ocgov.com

Pathogen Class: Class B

Do you have any deficiencies to report for this SSUID? ☐ YES ☑ NO ☐ UNKNOWN

ID: 009

Amount: 27

Management Practice Detail: Use as Daily Cover for Municipal Landfill (under 40 CFR 258)

Handler, Preparer, or Applier Type: Off-Site Third-Party Handler or Applier

NPDES ID of handler:

Facility Information:
Holloway Environmental
13850 Holloway Road
Lost Hills, CA 93249
US

Contact Information:
Dan Allen
Chief Operating Officer
661-758-6485
dan.allen@hmholloway.com

Pathogen Class: Class B

Do you have any deficiencies to report for this SSUID? ☐ YES ☑ NO ☐ UNKNOWN

ID: 010

Amount: 3428

Management Practice Detail: Other

Other Management Practice Detail Description: Heat dried pellets >90% solids

Handler, Preparer, or Applier Type: Off-Site Third-Party Preparer

NPDES ID of handler:

Facility Information:
Rialto Bioenergy Facility (Anaergia)
503 East Santa Ana Avenue
Rialto, CA 92316
US

Contact Information:
John Hutson
Facility Manager
224-500-7712
john.hutson@anaergia.com

Pathogen Class: Class A EQ

Do you have any deficiencies to report for this SSUID? ☐ YES ☑ NO ☐ UNKNOWN

ID: 013

Amount: 4869

Management Practice Detail: Other

Other Management Practice Detail Description: Composting Facility is classified as Class 1 Sludge Management Facility.

Handler, Preparer, or Applier Type: Off-Site Third-Party Preparer

NPDES ID of handler:

Facility Information:
Synagro-Nursery Products
PO Box 1439
Helendale , CA 92342
US

Contact Information:
Venny Vasquez
Site Manager
760-265-5210
vvasquez@synagro.com

Pathogen Class: Class A EQ

Do you have any deficiencies to report for this SSUID? ☐ YES ☑ NO ☐ UNKNOWN

ID: 014

Amount: 4049

Management Practice Detail: Other

Other Management Practice Detail Description: Composting Facility is classified as Class 1 Sludge Management Facility.

Handler, Preparer, or Applier Type: Off-Site Third-Party Preparer

NPDES ID of handler:

Facility Information:
Synagro-South Kern Compost Manufacturing Facility
PO Box 265
Taft, CA 93268
US

Contact Information:
Rob Rankin
Site Manager
661-765-2200
rrankin@synagro.com

Pathogen Class: Class A EQ

Do you have any deficiencies to report for this SSUID? ☐ YES ☑ NO ☐ UNKNOWN

ID: 015

Amount: 9230

Management Practice Detail: Other

Other Management Practice Detail Description: Composting Facility is classified as Class 1 Sludge Management Facility.

Handler, Preparer, or Applier Type: Off-Site Third-Party Preparer

NPDES ID of handler:

Facility Information:
Synagro-Liberty Compost
12421 Holloway Road
Lost Hill, CA 93249
US

Contact Information:
Wilson Nolan
Site Manager
661-619-7320
wnolan@synagro.com

Pathogen Class: Class A EQ

Do you have any deficiencies to report for this SSUID? ☐ YES ☑ NO ☐ UNKNOWN

ID: 016

Amount: 543

Management Practice Detail: Other

Other Management Practice Detail Description: Composting Facility is classified as Class 1 Sludge Management Facility.

Handler, Preparer, or Applier Type: Off-Site Third-Party Preparer

NPDES ID of handler:

Facility Information:
Synagro-Arizona
5615 S. 91st Ave
Tollesson, CA 85353
US

Contact Information:
Craig Geyer
Area Director of Composting
623-936-6328
cgeyer@synagro.com

Pathogen Class: Class A EQ

Do you have any deficiencies to report for this SSUID? ☐ YES ☑ NO ☐ UNKNOWN

ID: 017

Amount: 50

Management Practice Detail: Other

Other Management Practice Detail Description: Composting Facility is classified as Class 1 Sludge Management Facility.

Handler, Preparer, or Applier Type: Off-Site Third-Party Preparer

NPDES ID of handler:

Facility Information:
Inland Empire Empire Composting
13645 6th street
Rancho Cucamonga, CA 91739
US

Contact Information:
Jeff Ziegenbein
Site Manager
909-993-1981
jziegenbein@ieua.org

Pathogen Class: Class A EQ

Do you have any deficiencies to report for this SSUID? ☐ YES ☑ NO ☐ UNKNOWN

Additional Information

Please enter any additional information that you would like to provide in the comment box below.

-OC San has attached the electronic version of the annual report broken into smaller sections. Alternatively, the complete file is available at www.ocsan.gov/503. -Rialto Bioenergy Facility (RBF) started receiving up to 100 tons per day of OC San biosolids in September 2021. The RBF tonnages are reported in the Other Management Practice section as ID 010. -Synagro-Nursery Products lab reports for NP Allgro Batch 5.2.22 and Batch 5.9.22 showed Salmonella results of > 3 MPN/4g. These batches of compost have been quarantined and was re-sampled in June 2022 and passed for Salmonella. -For SSUID ID's where there were compliance events that have option F (No Sampling or Analysis Conducted - Other Reason), the reason is that OC San did not send materials to those sites for the months.

Additional Attachments

Name	Created Date	Size
1_Biosolid_Annual_Rept_2022 - part 1 for upload_1.pdf	02/16/2023 4:19 PM	921.04 KB
2_Biosolid_Annual_Rept_2022 - Appx A- part 2 for upload.pdf	02/16/2023 4:20 PM	3.12 MB
3_Biosolid_Annual_Rept_2022 - Appx B-C- part 3 for upload.pdf	02/16/2023 4:21 PM	1.18 MB
4_Biosolid_Annual_Rept_2022 - Appx E- part 4 for upload.pdf	02/16/2023 4:21 PM	489.19 KB

Certification Information

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I have no personal knowledge that the information submitted is other than true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. Signing an electronic document on behalf of another person is subject to criminal, civil, administrative, or other lawful action.

Certified By: Lan Wiborg (LWIBORG@OCSD.COM)

Certified On: 02/16/2023 6:35 PM

NPDES FORM 6100-035		UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, DC 20460 BIOSOLIDS ANNUAL REPORT	Form Approved. OMB No. 2040-0004. Exp. 03/31/2022

EPA's sewage sludge regulations require certain publicly owned treatment works (POTWs) and Class I sewage sludge management facilities to submit to a Sewage Sludge (Biosolids) Annual Report (see 40 CFR 503.18 (https://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_118), 503.28 (https://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_128), 503.48 (https://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_148)). Facilities that must submit a Sewage Sludge (Biosolids) Annual Report include POTWs with a design flow rate equal to or greater than one million gallons per day, POTWs that serve 10,000 people or more, Class I Sludge Management Facilities (as defined by 40 CFR 503.9 (https://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_19)), and facilities otherwise required to file this report (e.g., permit condition, enforcement action, state law). This is the electronic form for Sewage Sludge (Biosolids) Annual Report filers to use if they are located in one of the states, tribes, or territories (https://www.epa.gov/npdes/npdes-state-program-information) where EPA administers the Federal biosolids program.

For the purposes of this form, the term 'sewage sludge (https://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_19)' also refers to the material that is commonly referred to as 'biosolids'. EPA does not have a regulatory definition for biosolids but this material is commonly referred to as sewage sludge that is placed on, or applied to the land to use the beneficial properties of the material as a soil amendment, conditioner, or fertilizer. EPA's use of the term 'biosolids' in this form is to confirm that information about beneficially used sewage sludge (a.k.a. biosolids) should be reported on this form.

Public Availability of Information Submitted on and with General Permit Reports

EPA may make all the information submitted through this form (including all attachments) available to the public without further notice to you. Do not use this online form to submit personal information (e.g., non-business cell phone number or non-business email address), confidential business information (CBI), or if you intend to assert a CBI claim on any of the submitted information. Pursuant to 40 CFR 2.203(a), EPA is providing you with notice that all CBI claims must be asserted at the time of submission. EPA cannot accommodate a late CBI claim to cover previously submitted information because efforts to protect the information are not administratively practicable since it may already be disclosed to the public. Although we do not foresee a need for persons to assert a claim of CBI based on the types of information requested in this form, if persons wish to assert a CBI claim we direct submitters to contact the NPDES eReporting Help Desk (NPDESeReporting@epa.gov (mailto:NPDESereporting@epa.gov)) for further guidance.

Please note that EPA may contact you after you submit this report for more information regarding your sewage sludge management program.

This collection of information is approved by OMB under the Paperwork Reduction Act, 44 U.S.C. 3501 et seq. (OMB Control No. 2040-0004). Responses to this collection of information are mandatory in accordance with EPA regulations (40 CFR 503.18, 503.28, and 503.48). An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. The public reporting and recordkeeping burden for this collection of information are estimated to average 3 hours per response. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates and any suggested methods for minimizing respondent burden including through the use of automated collection techniques to the Director, Regulatory Support Division, U.S. Environmental Protection Agency (2821T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.

Facility Information

Facility Name: ORANGE COUNTY SD #2

NPDES ID: CAL120604

Program Information

Please select all of the following that apply to your obligation to submit a Sewage Sludge (Biosolids) Annual Report in compliance with 40 CFR part 503. The facility is:

- a POTW with a design flow rate equal to or greater than one million gallons per day
- a POTW that serves 10,000 people or more

In the reporting period, did you manage your sewage sludge or biosolids using any of the following management practices: land application, surface disposal, or incineration?

☑ YES ☐ NO

If your facility is a POTW, please provide the estimated total amount of sewage sludge produced at your facility for the reporting period (in dry metric tons). If your facility is not a POTW, please provide the estimated total amount of biosolids produced at your facility for the reporting period (in dry metric tons).

17420

Reporting Period Start Date: 01/01/2022

Reporting Period End Date: 12/31/2022

Treatment Processes

Processes to Significantly Reduce Pathogens (PSRP):

Anaerobic Digestion

Processes to Further Reduce Pathogens (PFRP):

Physical Treatment Options:
Preliminary Operations (e.g., sludge grinding, degritting, blending)
Thickening (e.g., Gravity and/or Flotation Thickening, Centrifugation, Belt Filter Press, Vacuum Filter, Screw Press)

Other Processes to Manage Sewage Sludge:
Methane or Biogas Capture and Recovery

Analytical Methods

Did you or your facility collect sewage sludge or biosolids samples for laboratory analysis? ☑ YES ☐ NO

Analytical Methods

- EPA Method 6010 - Arsenic (ICP-OES)
- EPA Method 6010 - Cadmium (ICP-OES)
- EPA Method 6010 - Chromium (ICP-OES)
- EPA Method 6010 - Copper (ICP-OES)
- EPA Method 6010 - Lead (ICP-OES)
- EPA Method 7471 - Mercury (CVAA)
- EPA Method 6010 - Molybdenum (ICP-OES)
- EPA Method 6010 - Nickel (ICP-OES)
- EPA Method 6010 - Selenium (ICP-OES)
- EPA Method 6010 - Zinc (ICP-OES)
- EPA Method 6010 - Beryllium (ICP-OES)
- EPA Method 351.2 - Total Kjeldahl Nitrogen
- Standard Method 4500-N - Nitrogen
- Standard Method 2540 - Total Solids
- Standard Method 2540 - Volatile Solids
- EPA Method 9045 - pH (> 7% solids)

Other Analytical Methods

- Other Nitrogen Analytical Method

Other Analytical Methods Text Area:

EPA 300.0

Sludge Management - Land Application

ID: 005

Amount: 10950

Management Practice Detail: Agricultural Land Application

Bulk or Bag/Container: Bulk

Handler, Preparer, or Applier Type: Off-Site Third-Party Preparer

NPDES ID of handler:

Facility Information:
Tule Ranch/Ag Tech
4324 E. Ashlan Ave
Fresno, CA 93726
US

Contact Information:
Kurt Wyrick
Controller
559-222-7736 ext. 102
kurt@westexp.com

Pathogen Class: Class B

Sewage Sludge or Biosolids Pathogen Reduction Options:

- Class B-Alternative 2 PSRP 3: Anaerobic Digestion

Sewage Sludge or Biosolids Vector Attraction Reduction Options:

- Option 1 - Volatile Solids Reduction
- Option 10 - Sewage Sludge Timely Incorporation into Land

Did the facility land apply bulk sewage sludge when one or more pollutants in the sewage sludge exceeded 90 percent or more of any of the cumulative pollutant loading rates in Table 2 of 40 CFR 503.13?

☐ YES ☑ NO ☐ UNKNOWN

Monitoring Data

INSTRUCTIONS: Pollutants, pathogen densities, and vector attraction reduction must be monitored when sewage sludge or biosolids are applied to the land. Please use the following section to report monitoring data for the land application conducted by you or your facility in the reporting period for this SSUID. These monitoring data should be representative of the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID (40 CFR 503.8(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_18)). All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis. EPA will be using these data to demonstrate compliance with EPA's land application requirements (40 CFR 503, Subpart B).

Compliance Monitoring Periods

INSTRUCTIONS: Please use the table below to identify the start date and end date for each compliance monitoring period. You can adjust the start and end dates as needed. Please note that the compliance monitoring periods cannot overlap and that each compliance monitoring period must have a start date that is equal to or less than the end date. The number of compliance monitoring periods is based on the number of metric tons (dry weight basis) of sewage sludge or biosolids land applied in the reporting period (summed across all land application SSUIDs). For example, you will need to provide monitoring data for 12 compliance monitoring periods for each land application SSUID when you land apply 15,000 or more metric tons (dry weight basis) of sewage sludge or biosolids (summed across all land application SSUIDs) in the reporting period (see 40 CFR 503.16 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_116)).

Compliance Monitoring Event No. 1	Compliance Monitoring Period Start Date:	Compliance Monitoring Period End Date:
	01/01/2022	02/28/2022

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☐ YES ☑ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's regulations prohibit land application of bulk sewage sludge or sewage sludge sold or gave away sewage sludge in a bag or other container when one or more sewage sludge pollutant concentrations in the sewage sludge exceed a land application ceiling pollutant limit (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	14	
Cadmium	=	1.3	
Copper	=	370	
Lead	=	3.7	
Mercury	=	1	
Molybdenum	=	19	

Nickel	=	29	
Selenium	=	11	
Zinc	=	730	

Pathogen And Vector Attraction Reduction

Note: Pathogenic organisms are disease-causing organisms. These include, but are not limited to, certain bacteria, protozoa, viruses, and viable helminth ova [see 40 CFR 503.31(f) (https://www.ecfr.gov/current/title-40/chapter-I/subchapter-O/part-503/subpart-D/section-503.31#p-503.31(f))]. The following units should be used for pathogen data (see 40 CFR 503.32 (https://www.ecfr.gov/current/title-40/chapter-I/subchapter-O/part-503/subpart-D/section-503.32)):

- Density of fecal coliform in the sewage sludge shall be reported as Most Probable Number per gram of total solids (dry weight basis).
  - When using the Class B - Alternative 1 management option, the density of fecal coliform in the sewage sludge shall be reported as Most Probable Number or Colony Forming Units per gram of total solids (dry weight basis) expressed as the geometric mean of the results of seven individual samples of sewage sludge.
- Density of Salmonella sp. bacteria in the sewage sludge shall be reported as Most Probable Number per four grams of total solids (dry weight basis).
- Density of enteric viruses shall be reported as plaque-forming unit per four grams of total solids (dry weight basis).
- Density of Helminth Ova. shall be reported as viable helminth ovum per four grams of total solids (dry weight basis).

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Vector Attraction Reduction Selected Options	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	Option 1 - Volatile Solids Reduction	=	57.7	

Note: Vector attraction is the characteristic of sewage sludge that attracts rodents, flies, mosquitos, or other organisms capable of transporting infectious agents [see 40 CFR 503.31(k) (https://www.ecfr.gov/current/title-40/chapter-I/subchapter-O/part-503/subpart-D/section-503.31#p-503.31(k))]. The following units should be used for vector attraction reduction data (see 40 CFR 503.33) (https://www.ecfr.gov/current/title-40/chapter-I/subchapter-O/part-503/subpart-D/section-503.33):

- Solids, total volatile, shall be reported as percent removal. See calculation procedures in "Environmental Regulations and Technology - Control of Pathogens and Vector Attraction in Sewage Sludge" (https://www.epa.gov/biosolids/control-pathogens-and-vector-attraction-sewage-sludge), EPA-625/R-92/013, 1992, U.S. Environmental Protection Agency, Cincinnati, Ohio 45268) [see 40 CFR 503.33(b)(1) (https://www.ecfr.gov/current/title-40/chapter-I/subchapter-O/part-503/subpart-D/section-503.33#p-503.33(b)(1))]. Volatile solids is the amount of the total solids in sewage sludge lost when the sewage sludge is combusted at 550 degrees Celsius in the presence of excess air [see 40 CFR 503.31(l) (https://www.ecfr.gov/current/title-40/chapter-I/subchapter-O/part-503/subpart-D/section-503.31#p-503.31(l))].
- Specific Oxygen Update Rate (SOUR) shall be reported as milligrams of oxygen per hour per gram of total solids (dry weight basis) at a temperature of 20 degrees Celsius. SOUR is the mass of oxygen consumed per unit time per unit mass of total solids (dry weight basis) in the sewage sludge [see 40 CFR 503.31(h) (https://www.ecfr.gov/current/title-40/chapter-I/subchapter-O/part-503/subpart-D/section-503.31#p-503.31(h))].

Monthly Average Pollutant Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	11.7	
Cadmium	=	1.3	
Copper	=	335	
Lead	=	3.5	
Mercury	=	0.72	
Nickel	=	27.3	
Selenium	=	10.4	
Zinc	=	677.5	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids	Value	Parameter Concentration (mg/kg, dry-weight	If No Data, Select One Of The

Parameter	Qualifier	basis)	Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	54250	

Compliance Monitoring Event No. 2 **Compliance Monitoring Period Start Date:** 03/01/2022 **Compliance Monitoring Period End Date:** 04/30/2022

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☐ YES ☑ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's regulations prohibit land application of bulk sewage sludge or sewage sludge sold or gave away sewage sludge in a bag or other container when one or more sewage sludge pollutant concentrations in the sewage sludge exceed a land application ceiling pollutant limit (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	12	
Cadmium	=	1.4	
Copper	=	370	
Lead	=	7.4	
Mercury	=	0.49	
Molybdenum	=	21	
Nickel	=	30	
Selenium	=	9.1	
Zinc	=	700	

Pathogen And Vector Attraction Reduction

Note: Pathogenic organisms are disease-causing organisms. These include, but are not limited to, certain bacteria, protozoa, viruses, and viable helminth ova [see 40 CFR 503.31(f) (https://www.ecfr.gov/current/title-40/chapter-I/subchapter-O/part-503/subpart-D/section-503.31#p-503.31(f))]. The following units should be used for pathogen data (see 40 CFR 503.32 (https://www.ecfr.gov/current/title-40/chapter-I/subchapter-O/part-503/subpart-D/section-503.32)):

- Density of fecal coliform in the sewage sludge shall be reported as Most Probable Number per gram of total solids (dry weight basis).
  - When using the Class B - Alternative 1 management option, the density of fecal coliform in the sewage sludge shall be reported as Most Probable Number or Colony Forming Units per gram of total solids (dry weight basis) expressed as the geometric mean of the results of seven individual samples of sewage sludge.
- Density of Salmonella sp. bacteria in the sewage sludge shall be reported as Most Probable Number per four grams of total solids (dry weight basis).
- Density of enteric viruses shall be reported as plaque-forming unit per four grams of total solids (dry weight basis).
- Density of Helminth Ova. shall be reported as viable helminth ovum per four grams of total solids (dry weight basis).

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Vector Attraction Reduction Selected Options	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	Option 1 - Volatile Solids Reduction	=	65	

Note: Vector attraction is the characteristic of sewage sludge that attracts rodents, flies, mosquitos, or other organisms capable of transporting infectious agents [see 40 CFR 503.31(k) (https://www.ecfr.gov/current/title-40/chapter-I/subchapter-O/part-503/subpart-D/section-503.31#p-503.31(k))]. The following units should be used for vector attraction reduction data (see 40 CFR 503.33) (https://www.ecfr.gov/current/title-40/chapter-I/subchapter-O/part-503/subpart-D/section-503.33):

- Solids, total volatile, shall be reported as percent removal. See calculation procedures in "Environmental Regulations and Technology - Control of Pathogens and Vector Attraction in Sewage Sludge" (https://www.epa.gov/biosolids/control-pathogens-and-vector-attraction-sewage-sludge), EPA-625/R-92/013, 1992, U.S. Environmental Protection Agency, Cincinnati, Ohio 45268) [see 40 CFR 503.33(b)(1) (https://www.ecfr.gov/current/title-40/chapter-I/subchapter-O/part-503/subpart-D/section-503.33#p-503.33(b)(1))]. Volatile solids is the amount of the total solids in sewage sludge lost when the sewage sludge is combusted at 550 degrees Celsius in the presence of excess air [see 40 CFR 503.31(l) (https://www.ecfr.gov/current/title-40/chapter-I/subchapter-O/part-503/subpart-D/section-503.31#p-503.31(l))].
- Specific Oxygen Update Rate (SOUR) shall be reported as milligrams of oxygen per hour per gram of total solids (dry weight basis) at a temperature of 20 degrees Celsius. SOUR is the mass of oxygen consumed per unit time per unit mass of total solids (dry weight basis) in the sewage sludge [see 40 CFR 503.31(h) (https://www.ecfr.gov/current/title-40/chapter-I/subchapter-O/part-503/subpart-D/section-503.31#p-503.31(h))].

Monthly Average Pollutant Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	10.9	
Cadmium	=	1.2	
Copper	=	362.5	
Lead	=	5.1	
Mercury	=	0.46	
Nickel	=	28.8	
Selenium	=	8.9	
Zinc	=	685	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	60250	

Compliance Monitoring Event No. 3 **Compliance Monitoring Period Start Date:** 05/01/2022 **Compliance Monitoring Period End Date:** 06/30/2022

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☐ YES ☑ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's regulations prohibit land application of bulk sewage sludge or sewage sludge sold or gave away sewage sludge in a bag or other container when one or more sewage sludge pollutant concentrations in the sewage sludge exceed a land application ceiling pollutant limit (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	12	
Cadmium	=	1.4	
Copper	=	390	
Lead	=	5.3	
Mercury	=	0.49	
Molybdenum	=	20	
Nickel	=	26	
Selenium	=	9.9	
Zinc	=	710	

Pathogen And Vector Attraction Reduction

Note: Pathogenic organisms are disease-causing organisms. These include, but are not limited to, certain bacteria, protozoa, viruses, and viable helminth ova [see 40 CFR 503.31(f) (https://www.ecfr.gov/current/title-40/chapter-I/subchapter-O/part-503/subpart-D/section-503.31#p-503.31(f))]. The following units should be used for pathogen data (see 40 CFR 503.32 (https://www.ecfr.gov/current/title-40/chapter-I/subchapter-O/part-503/subpart-D/section-503.32)):

- Density of fecal coliform in the sewage sludge shall be reported as Most Probable Number per gram of total solids (dry weight basis).
  - When using the Class B - Alternative 1 management option, the density of fecal coliform in the sewage sludge shall be reported as Most Probable Number or Colony Forming Units per gram of total solids (dry weight basis) expressed as the geometric mean of the results of seven individual samples of sewage sludge.
- Density of Salmonella sp. bacteria in the sewage sludge shall be reported as Most Probable Number per four grams of total solids (dry weight basis).
- Density of enteric viruses shall be reported as plaque-forming unit per four grams of total solids (dry weight basis).
- Density of Helminth Ova. shall be reported as viable helminth ovum per four grams of total solids (dry weight basis).

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Vector Attraction Reduction Selected Options	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	Option 1 - Volatile Solids Reduction	=	56.8	

Note: Vector attraction is the characteristic of sewage sludge that attracts rodents, flies, mosquitos, or other organisms capable of transporting infectious agents [see 40 CFR 503.31(k) (https://www.ecfr.gov/current/title-40/chapter-I/subchapter-O/part-503/subpart-D/section-503.31#p-503.31(k))]. The following units should be used for vector attraction reduction data (see 40 CFR 503.33) (https://www.ecfr.gov/current/title-40/chapter-I/subchapter-O/part-503/subpart-D/section-503.33):

- Solids, total volatile, shall be reported as percent removal. See calculation procedures in "Environmental Regulations and Technology - Control of Pathogens and Vector Attraction in Sewage Sludge" (https://www.epa.gov/biosolids/control-pathogens-and-vector-attraction-sewage-sludge), EPA-625/R-92/013, 1992, U.S. Environmental Protection Agency, Cincinnati, Ohio 45268) [see 40 CFR 503.33(b)(1) (https://www.ecfr.gov/current/title-40/chapter-I/subchapter-O/part-503/subpart-D/section-503.33#p-503.33(b)(1))]. Volatile solids is the amount of the total solids in sewage sludge lost when the sewage sludge is combusted at 550 degrees Celsius in the presence of excess air [see 40 CFR 503.31(l) (https://www.ecfr.gov/current/title-40/chapter-I/subchapter-O/part-503/subpart-D/section-503.31#p-503.31(l))].
- Specific Oxygen Update Rate (SOUR) shall be reported as milligrams of oxygen per hour per gram of total solids (dry weight basis) at a temperature of 20 degrees Celsius. SOUR is the mass of oxygen consumed per unit time per unit mass of total solids (dry weight basis) in the sewage sludge [see 40 CFR 503.31(h) (https://www.ecfr.gov/current/title-40/chapter-I/subchapter-O/part-503/subpart-D/section-503.31#p-503.31(h))].

Monthly Average Pollutant Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	11.2	
Cadmium	=	1.3	
Copper	=	357.5	

Lead	=	4.2	
Mercury	=	0.42	
Nickel	=	25	
Selenium	=	8.8	
Zinc	=	662.5	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	67000	

Compliance Monitoring Event No. 4 **Compliance Monitoring Period Start Date:** 07/01/2022 **Compliance Monitoring Period End Date:** 08/31/2022

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☐ YES ☑ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's regulations prohibit land application of bulk sewage sludge or sewage sludge sold or gave away sewage sludge in a bag or other container when one or more sewage sludge pollutant concentrations in the sewage sludge exceed a land application ceiling pollutant limit (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	14	
Cadmium	=	1.8	
Copper	=	400	
Lead	=	1.4	
Mercury	=	0.71	
Molybdenum	=	22	
Nickel	=	30	
Selenium	=	9.8	
Zinc	=	800	

Pathogen And Vector Attraction Reduction

Note: Pathogenic organisms are disease-causing organisms. These include, but are not limited to, certain bacteria, protozoa, viruses, and viable helminth ova [see 40 CFR 503.31(f) (https://www.ecfr.gov/current/title-40/chapter-I/subchapter-O/part-503/subpart-D/section-503.31#p-503.31(f))]. The following units should be used for pathogen data (see 40 CFR 503.32 (https://www.ecfr.gov/current/title-40/chapter-I/subchapter-O/part-503/subpart-D/section-503.32)):

- Density of fecal coliform in the sewage sludge shall be reported as Most Probable Number per gram of total solids (dry weight basis).
    - When using the Class B - Alternative 1 management option, the density of fecal coliform in the sewage sludge shall be reported as Most Probable Number or Colony Forming Units per gram of total solids (dry weight basis) expressed as the geometric mean of the results of seven individual samples of sewage sludge.
- Density of Salmonella sp. bacteria in the sewage sludge shall be reported as Most Probable Number per four grams of total solids (dry weight basis).
- Density of enteric viruses shall be reported as plaque-forming unit per four grams of total solids (dry weight basis).
- Density of Helminth Ova. shall be reported as viable helminth ovum per four grams of total solids (dry weight basis).

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Vector Attraction Reduction Selected Options	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	Option 1 - Volatile Solids Reduction	=	61.2	

Note: Vector attraction is the characteristic of sewage sludge that attracts rodents, flies, mosquitos, or other organisms capable of transporting infectious agents [see 40 CFR 503.31(k) (https://www.ecfr.gov/current/title-40/chapter-I/subchapter-O/part-503/subpart-D/section-503.31#p-503.31(k))]. The following units should be used for vector attraction reduction data (see 40 CFR 503.33) (https://www.ecfr.gov/current/title-40/chapter-I/subchapter-O/part-503/subpart-D/section-503.33):

- Solids, total volatile, shall be reported as percent removal. See calculation procedures in "Environmental Regulations and Technology - Control of Pathogens and Vector Attraction in Sewage Sludge" (https://www.epa.gov/biosolids/control-pathogens-and-vector-attraction-sewage-sludge), EPA-625/R-92/013, 1992, U.S. Environmental Protection Agency, Cincinnati, Ohio 45268) [see 40 CFR 503.33(b)(1) (https://www.ecfr.gov/current/title-40/chapter-I/subchapter-O/part-503/subpart-D/section-503.33#p-503.33(b)(1))]. Volatile solids is the amount of the total solids in sewage sludge lost when the sewage sludge is combusted at 550 degrees Celsius in the presence of excess air [see 40 CFR 503.31(l) (https://www.ecfr.gov/current/title-40/chapter-I/subchapter-O/part-503/subpart-D/section-503.31#p-503.31(l))].
- Specific Oxygen Update Rate (SOUR) shall be reported as milligrams of oxygen per hour per gram of total solids (dry weight basis) at a temperature of 20 degrees Celsius. SOUR is the mass of oxygen consumed per unit time per unit mass of total solids (dry weight basis) in the sewage sludge [see 40 CFR 503.31(h) (https://www.ecfr.gov/current/title-40/chapter-I/subchapter-O/part-503/subpart-D/section-503.31#p-503.31(h))].

Monthly Average Pollutant Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	J (Below RL but Above MDL)	10.3	
Cadmium	=	1.2	
Copper	=	340	
Lead	J (Below RL but Above MDL)	0.89	
Mercury	=	0.59	
Nickel	=	26.5	
Selenium	=	8.6	
Zinc	=	692.5	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	50750	

Compliance Monitoring Event No. 5 **Compliance Monitoring Period Start Date:** 09/01/2022 **Compliance Monitoring Period End Date:** 10/31/2022

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☐ YES ☑ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's regulations prohibit land application of bulk sewage sludge or sewage sludge sold or gave away sewage sludge in a bag or other container when one or more sewage sludge pollutant concentrations in the sewage sludge exceed a land application ceiling pollutant limit (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	=	16	
Cadmium	=	1.5	
Copper	=	400	
Lead	=	3.5	
Mercury	=	0.43	
Molybdenum	=	20	
Nickel	=	25	
Selenium	=	9.7	
Zinc	=	730	

Pathogen And Vector Attraction Reduction

Note: Pathogenic organisms are disease-causing organisms. These include, but are not limited to, certain bacteria, protozoa, viruses, and viable helminth ova [see 40 CFR 503.31(f) (https://www.ecfr.gov/current/title-40/chapter-I/subchapter-O/part-503/subpart-D/section-503.31#p-503.31(f))]. The following units should be used for pathogen data (see 40 CFR 503.32 (https://www.ecfr.gov/current/title-40/chapter-I/subchapter-O/part-503/subpart-D/section-503.32)):

- Density of fecal coliform in the sewage sludge shall be reported as Most Probable Number per gram of total solids (dry weight basis).
  - When using the Class B - Alternative 1 management option, the density of fecal coliform in the sewage sludge shall be reported as Most Probable Number or Colony Forming Units per gram of total solids (dry weight basis) expressed as the geometric mean of the results of seven individual samples of sewage sludge.
- Density of Salmonella sp. bacteria in the sewage sludge shall be reported as Most Probable Number per four grams of total solids (dry weight basis).
- Density of enteric viruses shall be reported as plaque-forming unit per four grams of total solids (dry weight basis).
- Density of Helminth Ova. shall be reported as viable helminth ovum per four grams of total solids (dry weight basis).

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Vector Attraction Reduction Selected Options	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	Option 1 - Volatile Solids Reduction	=	62.9	

Note: Vector attraction is the characteristic of sewage sludge that attracts rodents, flies, mosquitos, or other organisms capable of transporting infectious agents [see 40 CFR 503.31(k) (https://www.ecfr.gov/current/title-40/chapter-I/subchapter-O/part-503/subpart-D/section-503.31#p-503.31(k))]. The following units should be used for vector attraction reduction data (see 40 CFR 503.33) (https://www.ecfr.gov/current/title-40/chapter-I/subchapter-O/part-503/subpart-D/section-503.33):

- Solids, total volatile, shall be reported as percent removal. See calculation procedures in "Environmental Regulations and Technology - Control of Pathogens and Vector Attraction in Sewage Sludge" (https://www.epa.gov/biosolids/control-pathogens-and-vector-attraction-sewage-sludge), EPA-625/R-92/013, 1992, U.S. Environmental Protection Agency, Cincinnati, Ohio 45268) [see 40 CFR 503.33(b)(1) (https://www.ecfr.gov/current/title-40/chapter-I/subchapter-O/part-503/subpart-D/section-503.33#p-503.33(b)(1))]. Volatile solids is the amount of the total solids in sewage sludge lost when the sewage

sludge is combusted at 550 degrees Celsius in the presence of excess air [see 40 CFR 503.31(l) (https://www.ecfr.gov/current/title-40/chapter-I/subchapter-O/part-503/subpart-D/section-503.31#p-503.31(l))].

- Specific Oxygen Update Rate (SOUR) shall be reported as milligrams of oxygen per hour per gram of total solids (dry weight basis) at a temperature of 20 degrees Celsius. SOUR is the mass of oxygen consumed per unit time per unit mass of total solids (dry weight basis) in the sewage sludge [see 40 CFR 503.31(h) (https://www.ecfr.gov/current/title-40/chapter-I/subchapter-O/part-503/subpart-D/section-503.31#p-503.31(h))].

Monthly Average Pollutant Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	J (Below RL but Above MDL)	11.5	
Cadmium	=	1.2	
Copper	=	362.5	
Lead	J (Below RL but Above MDL)	1.7	
Mercury	=	0.39	
Nickel	=	23.8	
Selenium	=	8.8	
Zinc	=	682.5	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	40500	

Compliance Monitoring Event No. 6 **Compliance Monitoring Period Start Date:** 11/01/2022 **Compliance Monitoring Period End Date:** 12/31/2022

Do you have analytical results to report for this monitoring period? ☑ YES ☐ NO

Are you reporting maximum pollutant concentrations that are equivalent to the monthly average pollutant concentrations for this compliance monitoring event? [For example, this will be the case if you only collected and analyzed one sample of sewage sludge or biosolids for this compliance monitoring period.]

☐ YES ☑ NO

Maximum Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the maximum pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. In accordance with 40 CFR 503.13(a) (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113), EPA's regulations prohibit land application of bulk sewage sludge or sewage sludge sold or gave away sewage sludge in a bag or other container when one or more sewage sludge pollutant concentrations in the sewage sludge exceed a land application ceiling pollutant limit (Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113)). EPA will compare the pollutant concentrations in this section against the ceiling concentration limits in Table 1 of 40 CFR 503.13 (http://www.ecfr.gov/cgi-bin/text-idx?node=pt40.32.503&rgn=div5#se40.32.503_113) to identify noncompliance events. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Please only select a "No Data Indicator Code" if you are reporting no data for the sampling period or particular parameter.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	J (Below RL but Above MDL)	13	

Cadmium	=	1.3	
Copper	=	370	
Lead	=	4.9	
Mercury	=	0.82	
Molybdenum	=	18	
Nickel	=	24	
Selenium	=	9.3	
Zinc	=	700	

Pathogen And Vector Attraction Reduction

Note: Pathogenic organisms are disease-causing organisms. These include, but are not limited to, certain bacteria, protozoa, viruses, and viable helminth ova [see 40 CFR 503.31(f) (https://www.ecfr.gov/current/title-40/chapter-I/subchapter-O/part-503/subpart-D/section-503.31#p-503.31(f))]. The following units should be used for pathogen data (see 40 CFR 503.32 (https://www.ecfr.gov/current/title-40/chapter-I/subchapter-O/part-503/subpart-D/section-503.32)):

- Density of fecal coliform in the sewage sludge shall be reported as Most Probable Number per gram of total solids (dry weight basis).
    - When using the Class B - Alternative 1 management option, the density of fecal coliform in the sewage sludge shall be reported as Most Probable Number or Colony Forming Units per gram of total solids (dry weight basis) expressed as the geometric mean of the results of seven individual samples of sewage sludge.
- Density of Salmonella sp. bacteria in the sewage sludge shall be reported as Most Probable Number per four grams of total solids (dry weight basis).
- Density of enteric viruses shall be reported as plaque-forming unit per four grams of total solids (dry weight basis).
- Density of Helminth Ova. shall be reported as viable helminth ovum per four grams of total solids (dry weight basis).

Report the vector attraction reduction data for the biosolids or sewage sludge that was placed on an active sewage sludge unit during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Vector Attraction Reduction Selected Options	Value Qualifier	Value	If No Data, Select One Of The Following
Solids, total volatile percent removal	Option 1 - Volatile Solids Reduction	=	51.3	

Note: Vector attraction is the characteristic of sewage sludge that attracts rodents, flies, mosquitos, or other organisms capable of transporting infectious agents [see 40 CFR 503.31(k) (https://www.ecfr.gov/current/title-40/chapter-I/subchapter-O/part-503/subpart-D/section-503.31#p-503.31(k))]. The following units should be used for vector attraction reduction data (see 40 CFR 503.33) (https://www.ecfr.gov/current/title-40/chapter-I/subchapter-O/part-503/subpart-D/section-503.33):

- Solids, total volatile, shall be reported as percent removal. See calculation procedures in "Environmental Regulations and Technology - Control of Pathogens and Vector Attraction in Sewage Sludge" (https://www.epa.gov/biosolids/control-pathogens-and-vector-attraction-sewage-sludge), EPA-625/R-92/013, 1992, U.S. Environmental Protection Agency, Cincinnati, Ohio 45268) [see 40 CFR 503.33(b)(1) (https://www.ecfr.gov/current/title-40/chapter-I/subchapter-O/part-503/subpart-D/section-503.33#p-503.33(b)(1))]. Volatile solids is the amount of the total solids in sewage sludge lost when the sewage sludge is combusted at 550 degrees Celsius in the presence of excess air [see 40 CFR 503.31(l) (https://www.ecfr.gov/current/title-40/chapter-I/subchapter-O/part-503/subpart-D/section-503.31#p-503.31(l))].
- Specific Oxygen Update Rate (SOUR) shall be reported as milligrams of oxygen per hour per gram of total solids (dry weight basis) at a temperature of 20 degrees Celsius. SOUR is the mass of oxygen consumed per unit time per unit mass of total solids (dry weight basis) in the sewage sludge [see 40 CFR 503.31(h) (https://www.ecfr.gov/current/title-40/chapter-I/subchapter-O/part-503/subpart-D/section-503.31#p-503.31(h))].

Monthly Average Pollutant Concentration Data for All Sewage Sludge or Biosolids Applied to Land

This section summarizes the monthly average pollutant concentrations in the biosolids or sewage sludge that was applied to land during the compliance monitoring period for this SSUID. All pollutant monitoring data should be reported in milligrams per kilogram (mg/kg), dry weight basis.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis or Pass/Fail)	If No Data, Select One Of The Following
Arsenic	J (Below RL but Above MDL)	11.1	
Cadmium	=	1.2	
Copper	=	352.5	
Lead	J (Below RL but Above MDL)	2.2	
Mercury	=	0.63	

Nickel	=	22.8	
Selenium	=	8.9	
Zinc	=	660	

Report the average concentration (mg/kg, dry weight basis) of Total Nitrogen (TKN plus Nitrate-Nitrite, as N) in the sewage sludge or biosolids that was applied to land during the compliance monitoring period for this SSUID.

Sewage Sludge or Biosolids Parameter	Value Qualifier	Parameter Concentration (mg/kg, dry-weight basis)	If No Data, Select One Of The Following
Total Nitrogen (TKN plus Nitrate-Nitrite)	=	53500	

Sludge Management - Surface Disposal

Sludge Management - Incineration

Sludge Management - Other Management Practice

ID: 004

Amount: 341

Management Practice Detail: Other

Other Management Practice Detail Description: Heat dryer to >90%

Handler, Preparer, or Applier Type: Off-Site Third-Party Preparer

NPDES ID of handler:

Facility Information:
Rialto Bioenergy Facility (Anaergia)
503 East Santa Ana Avenue
Rialto, CA 92316
US

Contact Information:
John Hutson
Facility Manager
224-500-7712
jhutson@anaergia.com

Pathogen Class: Class A EQ

Do you have any deficiencies to report for this SSUID? ☐ YES ☑ NO ☐ UNKNOWN

ID: 006

Amount: 2124

Management Practice Detail: Other

Other Management Practice Detail Description: Composting Facility is classified as Class 1 Sludge Management Facility.

Handler, Preparer, or Applier Type: Off-Site Third-Party Preparer

NPDES ID of handler:

Facility Information:
Inland Empire Regional Composting Facility
12645 6th Street
Ranco Cucamonga, CA 91739
US

Contact Information:
Jeff Ziegenbein
Site Manager
909-993-1981
jziegenbein@ieua.org

Pathogen Class: Class A EQ

Do you have any deficiencies to report for this SSUID? ☐ YES ☑ NO ☐ UNKNOWN

ID: 007

Amount: 4005

Management Practice Detail: Other

Other Management Practice Detail Description: Composting Facility is classified as Class 1 Sludge Management Facility.

Handler, Preparer, or Applier Type: Off-Site Third-Party Preparer

NPDES ID of handler:

Facility Information:
Synagro-Liberty Compost
12421 Holloway Road
Lost Hill, CA 93249
US

Contact Information:
Wilson Nolan
Site Manager
661-619-7320
wnolan@synagro.com

Pathogen Class: Class A EQ

Do you have any deficiencies to report for this SSUID? ☐ YES ☑ NO ☐ UNKNOWN

Additional Information

Please enter any additional information that you would like to provide in the comment box below.

-OC San has attached the electronic version of the annual report broken into smaller sections. Alternatively, the complete is available at www.ocsan.gov/503. - Rialto Bioenergy Facility (RBF) started receiving up to 100 tons per day of OC San biosolids in September 2021. The RBF tonnages are reported in the Other Management Practice section as ID 004. Please contact Cindy Vellucci at cvellucci@ocsan.gov or 714-593-7156 if you have any questions. -For SSUID ID's where there were compliance events that have option F (No Sampling or Analysis Conducted - Other Reason), the reason is that OC San did not send materials to those sites for the months.

Additional Attachments

Name	Created Date	Size
1_Biosolid_Annual_Rept_2022 - part 1 for upload_1.pdf	02/16/2023 4:32 PM	921.04 KB
2_Biosolid_Annual_Rept_2022 - Appx A- part 2 for upload.pdf	02/16/2023 4:32 PM	3.12 MB
3_Biosolid_Annual_Rept_2022 - Appx B-C- part 3 for upload.pdf	02/16/2023 4:33 PM	1.18 MB

4_Biosolid_Annual_Rept_2022 - Appx E- part 4 for upload.pdf	02/16/2023 4:36 PM	489.19 KB

Certification Information

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I have no personal knowledge that the information submitted is other than true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. Signing an electronic document on behalf of another person is subject to criminal, civil, administrative, or other lawful action.

Certified By: Lan Wiborg (LWIBORG@OCSD.COM)

Certified On: 02/16/2023 6:37 PM

APPENDIX E – ADEQ Biosolids Annual Report Form

Arizona Department of Environmental Quality Biosolids Annual Report Form

ARIZONA
DEPARTMENT OF ENVIRONMENTAL QUALITY
AZPDES Individual Permits Unit
1110 W Washington Street
Phoenix, Arizona 85007
(602) 771-4689 (voicemail) (602) 771-4505 (fax)
Email to: biosolids@azdeq.gov

BIOSOLIDS OR SEWAGE SLUDGE ANNUAL REPORT FORM

1. **Program Information:** All preparers (Generators) and Land Applicators Must complete the following.

Reporting Start Date:1/1/2022	**Reporting End Date: 12/31/2022**
Date: 2/8/2023	**AZPDES Permit # (if applicable):**Click here to enter text.
Company name (Preparer / Applicator): Orange County Sanitation District, Plant No. 1 and Plant No. 2	
Contact Name: Lan C. Wiborg, MPH	**Title: Director of Environmental Services**
Address: 10844 Ellis Ave., Fountain Valley, CA 92708 **Phone: 714-593-7450**	**E-mail: lwiborg@ocsan.gov**

Please select one of the following options pertaining to your obligation to submit a Biosolids Annual Report. My facility is a:

☒ **POTW with a design flow equal to or greater than 1 MGD Per Day**

☒ **POTW that serves 10,000 people or more**

☒ **Class I Sludge Management Facility as defined by 40 CFR 503.9**

☐ **Biosolids Applicator (Complete Section 5 only)**

☐**Other** Click here to enter text.

What is the estimated total of volume of biosolids or sewage sludge generated at your facility (in dry metric tons)?

45,414

Were all biosolids removed from your facility sent to a landfill for disposal? No

If yes, provide the name and address of the landfill(s). Click here to enter text.

If all biosolids or sewage sludge was sent to a landfill for disposal, you do not need to complete the remainder of this form, as it is only applicable to facilities preparing biosolids or sewage sludge for land application.

Certification: I certify, under penalty of law, that the information and descriptions, have been made under my direction and supervision and under a system designed to ensure that qualified personnel properly gather and evaluate the information used to determine whether the applicable biosolids requirements have been met. I am aware that there are significant penalties for false certification including the possibility of fine and imprisonment.

Signature:  Title: Director of Environmental Services	Date: 2/08/23

2. Generator/Preparers - Biosolids Storage and Treatment Processes

2.1 Please check the box next to the following biosolids or sewage sludge storage practices and treatment processes used on the sewage sludge or biosolids generated or produced at your facility during the reporting period.

Storage Practices

☐ Biosolids are stored in lined lagoons or impoundments

☐ Biosolids stored directly on the ground

Physical Treatment Processes

☒ Preliminary Operations (e.g. sludge grinding, degritting, blending)

☒ Thickening (e.g. gravity floatation, centrifugation, belt filter press, vacuum filter)

☐ Sludge lagoon

Pathogen Reduction Operations (PSRP)

☐ Aerobic Digestion

☐ Air Drying (or "sludge drying beds")

☒ Anaerobic Digestion

☐ Lower Temperature Composting

☐ Lime Stabilization

Process to Further Reduce Pathogens (PFRP)

☐ Higher Temperature Composting

☐ Heat Drying (e.g. flash dryer, spray dryer, rotary dryer)

☐ Heat Treatment (Liquid sewage sludge is heated to temp of 356 °F (180 °C) or higher for 30 minutes

☐ Thermophilic Aerobic Digestion

☐ Beta Ray Irradiation

☐ Gamma Ray Irradiation

☐ Pasteurization

3. Generators/Preparers: Disposition of Biosolids or Sewage Treatment Sludge:

3.1 At the beginning of the year, did you have any biosolids or sewage sludge stored on site or remaining from previous years? Include any amount that is being stored anywhere. **No**

If yes provide the following information:

	CLASS A Biosolids	Class B Biosolids
Dry Ton Weight	Click here to enter text.	Click here to enter text.
Pathogen Testing	Choose an item.	Not applicable
Pathogen Reduction Method	Choose an item.	Choose an item.
Vector Attraction Reduction Method	Choose an item.	Choose an item.
Storage Locations	Click here to enter text.	Click here to enter text.

3.2 At the end of the year, are any biosolids or sewage sludge stored on site? **No**

If yes, provide the following information:

	CLASS A Biosolids	Class B Biosolids
Dry Ton Weight	Click here to enter text.	Click here to enter text.
Pathogen Testing	Choose an item.	Not applicable
Pathogen Reduction Method	Choose an item.	Choose an item.
Vector Attraction Reduction Method	Choose an item.	Choose an item.
Storage Locations	Click here to enter text.	Click here to enter text.

3.3 Were biosolids or sewage sludge received from another facility during the year, such as another wastewater treatment plant or another APP permitted facility for further processing? **No**

If yes provide the following information for each facility. Click the plus sign to create as many tables as needed.

Name of Facility		
Location:		
	CLASS A Biosolids	Class B Biosolids
Dry Ton Weight	Click here to enter text.	Click here to enter text.
Pathogen Testing	Choose an item.	Not applicable
Pathogen Reduction Method	Choose an item.	Choose an item.
Vector Attraction Reduction Method	Choose an item.	Choose an item.
Storage Locations	Click here to enter text.	Click here to enter text.

3.4. Were biosolids removed from your facility for land application? Include all recipients, including haulers, name, phone number, land applicators, composters, drying facilities, EQB bagging facilities, bulk composting, etc.

Name of Facility	**Tule Ranch / Ag-Tech**	
Management Practice Type:	Agricultural Land application	
Handler or Preparer Type:	Off-Site Third-Party Handler or Applier	
Management Practice Detail:	Agricultural Land application	
Bag or Bulk Container:	Bulk Container	
	CLASS A Biosolids	Class B Biosolids
Dry Ton Weight	Click here to enter text.	16,694
Pathogen Testing	Choose an item.	Not applicable
Pathogen Reduction Method	Choose an item.	Alternate 5 - anaerobic digestion
Vector Attraction Reduction Method	Choose an item.	Option 1 - mass reduction
Storage Locations	Click here to enter text.	Click here to enter text.

Name of Facility	**Synagro Nursery Products**	
Management Practice Type:	Composting	
Handler or Preparer Type:	Off-Site Third-Party Preparer	
Management Practice Detail:	Composting	
Bag or Bulk Container:	Bulk Container	
	CLASS A Biosolids	Class B Biosolids
Dry Ton Weight	4,869	Click here to enter text.
Pathogen Testing	Salmonella	Not applicable
Pathogen Reduction Method	Alternate 5 - composting	Choose an item.
Vector Attraction Reduction Method	Option 5 - aerobic treatment	Choose an item.
Storage Locations	Click here to enter text.	Click here to enter text.

Name of Facility	**Synagro Arizona Soils**	
Management Practice Type:	Composting	
Handler or Preparer Type:	Preparer	
Management Practice Detail:	Composting	
Bag or Bulk Container:	Bulk Container	
	CLASS A Biosolids	Class B Biosolids
Dry Ton Weight	543	Click here to enter text.
Pathogen Testing	Salmonella	Not applicable
Pathogen Reduction Method	Alternate 5 - composting	Choose an item.
Vector Attraction Reduction Method	Option 5 - aerobic treatment	Choose an item.
Storage Locations	Click here to enter text.	Click here to enter text.

Name of Facility	**Inland Empire Regional Composting Facility**	
Management Practice Type:	Composting	
Handler or Preparer Type:	Preparer	
Management Practice Detail:	Composting	
Bag or Bulk Container:	Bulk Container	
	CLASS A Biosolids	Class B Biosolids
Dry Ton Weight	2,174	Click here to enter text.
Pathogen Testing	Salmonella	Not applicable
Pathogen Reduction Method	Alternate 5 - composting	Choose an item.
Vector Attraction Reduction Method	Option 5 - aerobic treatment	Choose an item.
Storage Locations	Click here to enter text.	Click here to enter text.

Name of Facility	**Synagro Liberty Compost**	
Management Practice Type:	Composting	
Handler or Preparer Type:	Preparer	
Management Practice Detail:	Composting	
Bag or Bulk Container:	Bulk Container	
	CLASS A Biosolids	Class B Biosolids
Dry Ton Weight	13,235	Click here to enter text.
Pathogen Testing	Salmonella	Not applicable
Pathogen Reduction Method	Alternate 5 - composting	Choose an item.
Vector Attraction Reduction Method	Option 5 - aerobic treatment	Choose an item.
Storage Locations	Click here to enter text.	Click here to enter text.

Name of Facility	**Synagro South Kern Compost Manufacturing**	
Management Practice Type:	Composting	
Handler or Preparer Type:	Off-Site Third-Party Preparer	
Management Practice Detail:	Composting	
Bag or Bulk Container:	Bulk Container	
	CLASS A Biosolids	Class B Biosolids
Dry Ton Weight	4,049	Click here to enter text.
Pathogen Testing	Salmonella	Not applicable
Pathogen Reduction Method	Alternate 5 - composting	Choose an item.
Vector Attraction Reduction Method	Option 5 - aerobic treatment	Choose an item.
Storage Locations	Click here to enter text.	Click here to enter text.

Enter any content that you want to repeat, including other content controls. You can also insert this control around table rows in order to repeat parts of a table.

4. Generators/Preparers : Biosolids or Sewage Sludge Analytical Methods

Arizona regulations specify that representative samples of sewage sludge that is land applied, placed on a surface disposal site, or fired in s sewage sludge incinerator, must be collected and analyzed. These regulations specify the analytical methods that must be used to analyzed samples of sewage sludge.

Parameter	*Method Number or Author*	*Results (if tested)*	*Comments (required if other)*
Pathogens			
Ascaris ova.	No Analytical Method Used	Click here to enter text.	Click here to enter text.
Fecal Coliform	No Analytical Methods Used	Click here to enter text.	Click here to enter text.
Helminth ova.	No Analytical Methods Used	Click here to enter text.	Click here to enter text.
Salmonella sp. Bacteria	No Analytical Methods Used	Click here to enter text.	Click here to enter text.
Total Cultural Viruses	No Analytical Methods Used	Click here to enter text.	Click here to enter text.
Metals			
Arsenic	EPA Method 6010 - Arsenic (ICP-OES)	See attached OC San Biosolids Management Compliance Report, Appendices A, C, and D.	Click here to enter text.
Beryllium	Other Beryllium Analytical Method	See attached OC San Biosolids Management Compliance Report, Appendix C.	EPA Method 6010 - Beryllium
Cadmium	EPA Method 6010 - Cadmium (ICP-OES)	See attached OC San Biosolids Management Compliance Report, Appendices A, C, and D.	Click here to enter text.
Chromium	EPA Method 6010 - Chromium (ICP-OES)	See attached OC San Biosolids Management Compliance Report, appendices A and C.	Click here to enter text.
Copper	EPA Method 6010 - Copper (ICP-OES)	See attached OC San Biosolids Management Compliance Report, Appendices A, C, and D.	Click here to enter text.
Lead	EPA Method 6010 - Lead (ICP-OES)	See attached OC San Biosolids Management Compliance Report, Appendices A, C, and D.	Click here to enter text.
Mercury	EPA Method 7471 - Mercury (CVAA)	See attached OC San Biosolids Management Compliance	Click here to enter text.

		Report, Appendices A, C, and D.	
Molybdenum	EPA Method 6010 - Molybdenum (ICP-OES)	See attached OC San Biosolids Management Compliance Report, Appendices A, C, and D.	Click here to enter text.
Nickel	EPA Method 6010 - Nickel (ICP-OES)	See attached OC San Biosolids Management Compliance Report, Appendices A, C, and D.	Click here to enter text.
Selenium	EPA Method 6010 - Selenium (ICP-OES)	See attached OC San Biosolids Management Compliance Report, Appendices A, C, and D.	Click here to enter text.
Zinc	EPA Method 6010 - Zinc (ICP-OES)	See attached OC San Biosolids Management Compliance Report, Appendices A, C, and D.	Click here to enter text.
Nitrogen Compounds			
Ammonia Nitrogen	Standard Method 4500-NH3 - Ammonia Nitrogen	See attached OC San Biosolids Management Compliance Report, Appendices A, C, and D.	Click here to enter text.
Nitrate Nitrogen	Other Nitrate Nitrogen Analytical Method	See attached OC San Biosolids Management Compliance Report, Appendices A, C, and D.	EPA 300.0
Nitrogen	Standard Method 4500-N - Nitrogen	See attached OC San Biosolids Management Compliance Report, Appendices A, C, and D.	Click here to enter text.
Organic Nitrogen	Other Organic Nitrogen Analytical Method	See attached OC San Biosolids Management Compliance Report, Appendices A, C, and D.	Calculation
Total Kjeldahl Nitrogen	EPA Method 351.2 - Total Kjeldahl Nitrogen	See attached OC San Biosolids Management Compliance Report, Appendices A, C, and D.	Click here to enter text.
Other Analytes			
Fixed Solids	No Analytical Method Used	Click here to enter text.	Click here to enter text.
Paint Filter Test	No Analytical Method Used	Click here to enter text.	Click here to enter text.

pH	EPA Method 9045 - pH (> 7% solids)	See attached OC San Biosolids Management Compliance Report, Appendices A, C, and D.	Click here to enter text.
Specific Oxygen Uptake Rate	Choose an item.	Click here to enter text.	Click here to enter text.
TCLP	EPA Method 1311 - Toxicity Characteristic Leaching Procedure	See attached OC San Biosolids Management Compliance Report, Appendix C.	Click here to enter text.
Temperature	No Analytical Method Used	See attached OC San Biosolids Management Compliance Report, Appendix A.	Click here to enter text.
Total Solids	Standard Method 2540 - Total Solids	See attached OC San Biosolids Management Compliance Report, Appendices A, C, and D.	Click here to enter text.
Volatile Solids	Standard Method 2540 - Volatile Solids	See attached OC San Biosolids Management Compliance Report, Appendix A and D.	Click here to enter text.
No Analytical Methods Used	Choose an item.	Click here to enter text.	Click here to enter text.

ARIZONA
DEPARTMENT OF ENVIRONMENTAL QUALITY
AZPDES Individual Permits Unit
1110 W Washington Street
Phoenix, Arizona 85007
(602) 771-4689 (voicemail) (602) 771-4505 (fax)
Email to: biosolids@azdeq.gov

5. Land Applicators: Specific information to be completed by Land Applicators Only

Application Site / Location	Field ID	Amount of Biosolids Applied (in dry tons)	Preparer	Pathogen Treatment Method	Vector Attraction Reduction Method	Loading Rate	Nitrogen Conc. (Organic + ammonium)	Type of Crop Grown After Application	Agronomic Rate of Crop Grown	The Cumulative Concentration of Pollutants (kilograms per hectare) in Soil				
Example: ABC Farms, Aztec AZ	*1A*	*350 tons*	*Aztec WWTP*	*Class B Alt. 2*	*Option 9*	*Tons or Kg/acre*		*Corn*						
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02/2022

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