Orange County Sanitation District
Resource Protection Division

Pretreatment Program
Semi-Annual Report

July – December 2021
Fiscal Year 2021/2022

ORANGE COUNTY SANITATION DISTRICT

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

March 31, 2022

Jayne Joy, Executive Officer
California Regional Water Quality Control Board
Santa Ana Region
3737 Main Street, Suite 500
Riverside, CA 92501-3339

Subject: Board Order No. R8-2021-0010, NPDES No. CA0110604
Pretreatment Program Semi-Annual Report for the Period of July 1 through December 31, 2021

The Orange County Sanitation District (OC San) is submitting this semi-annual report for permitting and enforcement activities conducted during the period of July 1 through December 31, 2021. These activities include inspection and sampling of permittees, enforcement actions OC San has taken to remedy noncompliance, and information on the Santa Ana Watershed Project Authority Pretreatment Program under OC San's jurisdiction.

Appendix 1 of this report, entitled *Monitoring and Compliance Status Report*, contains the number of industrial inspections and the number of OC San and self-monitoring samples for each OC San Class I permittee for the first and second quarters of Fiscal Year 2021/22.

If you or your staff have any questions, please contact me at your convenience at (714) 593-7424.

Mark Kawamoto, P.E.
Environmental Protection Manager, Resource Protection Division

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c: EPA Region 9, CWA Compliance Officer
SWRCB, Pretreatment Program Manager
Submitted electronically to ciwqs.waterboards.ca.gov, R9pretreatment@epa.gov, and NPDES_Wastewater@waterboards.ca.gov

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Stanton
Tustin
Villa Park
County of Orange
Costa Mesa Sanitary District
Midway City Sanitary District
Irvine Ranch Water District
Yorba Linda Water District

POTW PRETREATMENT PROGRAM SEMI-ANNUAL REPORT
CERTIFICATION STATEMENT

NPDES Permit Holder:	Orange County Sanitation District
Report Due Date:	March 31, 2022
Period Covered by this Report:	July 2021 through December 2021
Period Covered by Previous Report:	July 2020 through June 2021*
Name of Wastewater Treatment Plant(s):	Reclamation Plant No. 1 and Treatment Plant No. 2
NPDES Permit Number:	CA0110604

Person to contact concerning information contained in this report:

- Name: Mark Kawamoto, P.E.
- Title: Environmental Protection Manager, Resource Protection Division
- Mailing Address: 10844 Ellis Avenue
Fountain Valley, CA 92708-7018
- Telephone: (714) 593-7424

"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 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 am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

March 31, 2022
Date

Mark Kawamoto, P.E.
Environmental Protection Manager, Source Control

*See Annual Report 2020-21, Orange County Sanitation District, submitted to EPA Region 9 and California Regional Water Quality Control Board, Santa Ana Region.

Table of Contents

List of Tables

List of Appendices

List of Abbreviations

Acronym or abbreviation	Full phrase	Glossary
BOD	Biochemical Oxygen Demand	
CBMWD	Chino Basin Municipal Water District	
CIP	Clean in Place	
CIUs	Categorical Industrial Users	
CTS	continuous treatment system	
CWEA	California Water Environment Association	
ECSA	Enforcement Compliance Schedule Agreement	
EMWD	Eastern Municipal Water District	
ERP	Enforcement Response Plan	
FOG	fats, oils, and grease	
FSEs	Food Service Establishments	
FVM	fluvoxamine	
FY	fiscal year	
IEUA	Inland Empire Utilities Agency	
IPA	isopropyl alcohol	
IUs	Industrial User	
JCSD	Jurupa Community Service District	
JPA	Joint Powers Authority	
LWH	Liquid Waste Haulers	
LWHCMP	Liquid Waste Hauler Cleaning and Maintenance Plan	
MAS	Maintenance Access Structure	
MGD	million gallons per day	
MOUs	Memorandums of Understanding	
NAICS	North American Industry Classification System	
ND	not detected	
NOV	Notice of Violation	
OCA	Order for Corrective Action	
OCSD/OC San	Orange County Sanitation District	
OCWD	Orange County Water District	
ORP	oxidation-reduction potential	
POTW	Publicly Owned Treatment Works	
RCSA	Regulatory Compliance Schedule Agreement	
RO	reverse osmosis	
ROW	right of way	
SARI	Santa Ana River Interceptor	
SAWPA	Santa Ana Watershed Project Authority	
SBMWD	San Bernardino Municipal Water Department	
SIUs	Significant Industrial Users	✓
SLCP	Slug Load Control Plan	

Acronym or abbreviation	Full phrase	Glossary
SMR	Self-Monitoring Reports	
SMS	SARI Metering Station	
SNC	Significant Noncompliance	
SPDP	Special Purpose Discharge Permit	✓
SSOs	Sanitary Sewer Overflows	
TRC	Technical Review Criteria	
TSS	Total Suspended Solids	
US EPA	United States Environmental Protection Agency	
Valley District	San Bernardino Valley Municipal Water District	
Western, WMWD	Western Municipal Water District	
YVWD	Yucaipa Valley Water District	
YVRWFF	Yucaipa Valley Regional Water Filtration Facility	

Glossary of Defined Terms

Term	Definition	Citation
Compatible Pollutant	A combination of biochemical oxygen demand, suspended solids, pH, fecal coliform bacteria, plus other Pollutants that OCSD's treatment facilities are designed to accept and/or remove. Compatible Pollutants are non-compatible when discharged in quantities that have an adverse effect on OCSD's Sewerage System or NPDES permit, or when discharged in qualities or quantities violating any Federal Categorical Pretreatment Standards, Local Limit, or other discharge requirement.	Ordinance, Section 102.A.14
Discharge Certification	Control mechanism that may be issued to those Users that are discharging regulated wastewater but are not otherwise required to obtain a discharge permit.	Ordinance, Section 307.A
Dry Weather Urban Runoff	Surface runoff flow that is generated from any drainage area within OCSD's service area during a period that does not fall within the definition of Wet Weather. It is surface runoff that contains Pollutants that interfere with or prohibit the recreational use and enjoyment of public beaches or cause an environmental risk or health hazard.	Ordinance, Section 102.A.24
Federal Categorical Pretreatment Standards	Any regulation containing Pollutant discharge limits promulgated by the U.S. EPA in accordance with Sections 307(b) and (c) of the Clean Water Act (33 U.S.C. 1317) which apply to a specific category of Industrial Users and which appear in 40 CFR Chapter I, Subchapter N, Parts 405-471.	Ordinance, Section 102.A.27
Interference	Any discharge which, alone or in conjunction with a discharge or discharges from other sources, either: a) inhibits or disrupts OC San, its treatment processes or operations, or its biosolids processes, use, or disposal; or b) is a cause of a violation of any requirement of OC San's NPDES permit or prevents lawful biosolids or treated effluent use or disposal.	Ordinance, Section 102.A.39
Local Discharge Limits, Local Limits	Specific discharge limits developed pursuant to 40 CFR 403.5(c) and enforced by OCSD upon industrial or commercial facilities to implement the general and specific discharge prohibitions listed in 40 CFR 403.5(a)(1) and (b).	Ordinance, Section 102.A.42
Non-compatible Pollutant	Any pollutant which is not a compatible pollutant as defined herein.	Ordinance, Section 102.A.54
Ordinance	Document entitled "Wastewater Discharge Regulations" containing OC San requirements, conditions, and limits for connecting and discharging to the sewer system, as may be amended and modified.	Ordinance, Section 102.A.57

Term	Definition	Citation
Pass-Through	Discharge through OC San's Sewerage Facilities to Waters of the U.S. which, alone or in conjunction with discharges from other sources, is a cause of a violation of OC San's NPDES permit.	Ordinance, Section 102.A.59
Pretreatment	The reduction of the amount of Pollutants, the elimination of Pollutants, or the alteration of the nature of Pollutant properties in Wastewater to a level authorized by OCSD prior to, or in lieu of, discharge of the Wastewater into OCSD's Sewerage System. The reduction or alteration can be obtained by physical, chemical or biological processes, by process changes, or by other means.	Ordinance, Section 102.A.65
Pretreatment Program	A program administered by a POTW that meets the criteria established in 40 CFR 403.8 and 403.9 and which has been approved by a Regional Administrator or State Director in accordance with 40 CFR 403.11.	Ordinance, Section 102.A.2
Priority Pollutant	Priority Pollutants shall mean the most recently adopted list of toxic Pollutants identified and listed by EPA as having the greatest environmental impact. They are classified as Non-compatible Pollutants and may require Pretreatment prior to discharge to prevent: a) Interference with OC San's operation; or b) biosolids contamination; or c) Pass Through into receiving waters or into the atmosphere.	Ordinance, Section 102.A.68
Sewerage System	Any and all facilities used for collecting, conveying, pumping, treating, and disposing of Wastewater or sludge or biosolids.	Ordinance, Section 102.A.82
Significant Industrial User	Except as provided in 40 CFR 403.3 (v)(2) and (v)(3), shall mean: (i) All Industrial Users subject to Categorical Pretreatment Standards under 40 CFR 403.6 and/or 40 CFR Chapter I, Subchapter N; and (ii) Any other Industrial User that, pursuant to 40 CFR 403.3(v)(1): discharges an average of 25,000 gallons per day or more of process Wastewater to the POTW (excluding sanitary, noncontact cooling and boiler blowdown Wastewater); contributes a process wastestream which makes up 5 percent or more of the average dry weather hydraulic or organic capacity of the POTW Treatment plant; or is designated as such by OCSD on the basis that the Industrial User has a reasonable potential for adversely affecting the POTW's operation or for violating any Pretreatment Standard or requirement (in accordance with 40 CFR 403.8(f)(6)).	Ordinance, Section 102.A.83
Special Purpose Discharge Permit	Control mechanism granted to a user to a user by OC San to discharge unpolluted water, storm runoff, or groundwater to OC San’s Sewerage Facilities.	Ordinance, Section 305
Total Toxic Organics	The summation of all quantifiable values greater than 0.01 milligrams per liter for the organics regulated by the EPA or OCSD for a specific industrial category.	Ordinance, Section 102.A.94

Term	Definition	Citation
User	Any Person who discharges or causes a discharge of Wastewater directly or indirectly to a public sewer. User shall mean the same as Discharger. User includes Industrial Users as a type of User.	Ordinance, Section 102.A.96
Wastehauler	Any Person carrying on or engaging in vehicular transport of brine, domestic septage (except the SAWPA Sewer Service Area in compliance with the 1996 OCSD/SAWPA Agreement), or Wastewater as part of, or incidental to, any business for the purpose of discharging directly or indirectly said Wastewater into OCSD's Sewerage System.	Ordinance, Section 102.A.98
Zero Discharge Certification	A control mechanism that is issued by OCSD to ensure that specific facilities are not discharging a Pollutant(s) that may otherwise qualify the facility for a discharge permit.	Ordinance, Section 102.A.103

1.0 Permits and Certification

1.1 Introduction

Orange County Sanitation District (OC San) industrial wastewater discharge permits and certifications provide the means to limit the discharge of specific pollutants from industrial facilities and to establish a pollutant inventory from industrial dischargers. The following sections describe the types and quantities of OC San permits issued and deactivated for the period of July 1, 2021 through December 31, 2021.

There are seven wastewater discharge permit and certification classifications for users that are administered by OC San's Pretreatment Program: Class I Permits, Class II Permits, Wastehauler Discharge Permits, Special Purpose Discharge Permits, Dry Weather Urban Runoff Discharge Permits, Fats/Oils/Grease (FOG) Permits, and Discharge Certifications.

1.2 Class I Permits

During this reporting period 15 new permits were issued and 17 permits were deactivated for those users who:

a. are subject to Federal Categorical Pretreatment Standards; or

b. average 25,000 gallons per day or more of regulated process wastewater; or

c. have been determined by the General Manager to have a reasonable potential for adversely affecting OC San's operation or for violating any pretreatment standard, local limit, or discharge requirement; or

d. may cause, as determined by the General Manager, pass-through or interference with OC San sewerage facilities.

1.3 Class II Permits

During this reporting period, no new permits were issued, and no permits deactivated for those users who:

a. have a charge for use greater than the ad valorem tax basic levy allocated to OC San, and

b. discharge waste other than sanitary, and

c. are not otherwise required to obtain a Class I Permit.

1.4 Wastehauler Permits

During this reporting period, 5 new permits were issued for those users who are engaged in vehicular transport and disposal of acceptable domestic waste into OC San's wastehauler station. Two permits were deactivated.

1.5 Special Purpose Discharge Permits

During this reporting period, 4 new permits were issued and 4 permits were deactivated for those users who discharge groundwater, subsurface drainage, unpolluted water, or other wastewater to OC San's system. This permit is granted when no alternative method of disposal is reasonably available or to mitigate an environmental risk or a health hazard. One newly issued permit also expired during this reporting period.

1.6 Dry Weather Urban Runoff Permits

OC San accepts the diversion of dry weather urban runoff to the sewer for treatment to remediate various public health and environmental problems which are infeasible to control economically or practically through traditional stormwater best management practices. Originally established to protect and improve the recreational waters along Orange County's coastal shoreline from bacterial pollution, the role of the Dry Weather Urban Runoff Diversion Program has expanded to include other environmental issues.

The Resource Protection Division administers the Dry Weather Urban Runoff Diversion Program through the issuance of a discharge permit for each of the diversion structures. The permit establishes discharge limits, constituent monitoring, and flow metering requirements, as well as provides guidelines that specifically prohibit storm runoff and authorizes discharge only during periods of dry weather. OC San also conducts quarterly sampling and analysis of the urban runoff discharges to ensure discharge limit compliance with the various regulated constituents.

There are currently twenty-one (21) active Dry Weather Urban Runoff Diversions under permit; three (3) owned and operated by the County of Orange, eleven (11) owned and operated by the City of Huntington Beach, three (3) owned and operated by the Irvine Ranch Water District, three (3) owned and operated by the City of Newport Beach, and one (1) owned and operated by PH Finance (present owner of the Pelican Hill Resort). There were no new diversions added to the Dry Weather Urban Runoff Diversion Program during this reporting period.

1.7 FOG (Fats, Oils, and Grease) Permits

OC San's Resource Protection Division facilitated the effort to develop a regional FOG Control Program to regulate the quantity and quality of FOG-laden wastewater that is discharged into the sewerage system from food service establishments (FSEs). OC San currently manages the FOG Control Program for 34 FSEs that discharge directly into OC San owned trunklines in the City of Orange.

During this reporting period, there were no FOG permits renewed, and four (4) FOG permittees were deactivated. No new FSEs were identified in OC San's direct service area.

1.8 Discharge Certifications

During this reporting period, no new Discharge Certifications were issued, and none were deactivated for those industries that have operations subject to a federal category regulated by the US EPA, but do not discharge industrial wastewater generated from these operations to the sewer.

1.9 Summary of Permits and Certifications in Effect

A summary of permit and certification activity during the July 1 through December 31, 2021 period is shown in Table 1.1

Table 1.1. Active Permits and Certifications July 1 – December 31, 2021
Orange County Sanitation District, Resource Protection Division

Permit/Certification Type	New Issuance	Deactivated	Effective During Reporting Period
Class I (SIU)	15	17	333
Class I Categorical (CIU)	*6*	*7*	*179*
Class I Non-Categorical	*9*	*8*	*154*
Class II	0	2	19
Wastehauler	5	2	40
Special Purpose	4	4	49
Dry Weather Urban Runoff	0	0	21
FOG	0	4	34
Discharge Certification	0	0	0
Zero Discharge Certification	1	0	29
Total	25	30	528

2.0 Enforcement

2.1 Introduction

The goal of OC San's industrial pretreatment program is to ensure that dischargers maintain compliance with Federal Pretreatment Standards, OC San's Wastewater Discharge Regulations (Ordinance), and discharge limits through monitoring and verification, in addition to controlling and reducing industrial pollutants. As provided in the Ordinance and Enforcement Response Plan, OC San has a broad range of enforcement mechanisms available, including but not limited to issuing noncompliance sampling fees, administrative penalties, notices of violation, compliance letters, probation orders, enforcement compliance schedule agreements (ECSA), instituting emergency suspension orders, permit suspension, and permit revocation orders.

This report describes the enforcement actions that OC San initiated or continued against noncompliant permittees for the semi-annual reporting period of July 1, 2021 through December 31, 2021.

Appendix 1 of this report, entitled Monitoring and Compliance Status Report, contains information regarding the number of industrial inspections and the number of OC San and self-monitoring samples taken for each Class I permittee for the first and second quarters of FY 2021/22. Each permittee's name, permit number, and address are given in the first three columns. Additional columns present the North American Industry Classification System (NAICS) code, applicable pretreatment regulation, the number of performed inspections, the number of completed samples, the pollutant(s) in discharge violations, and other applicable comments, including name changes and permit issuances/deactivations.

2.2 Compliance Inspections

OC San staff conduct compliance inspections to: (1) identify and address any noncompliance problems and corrective actions; and (2) verify the progress and completion of compliance requirement letters, probation orders, or enforcement compliance schedule agreements.

Forty-two (42) compliance inspections were conducted during the first and second quarters of FY 2021/22.

2.3 Compliance Meetings

Compliance meetings are held as a result of the permittee's inability to achieve compliance with discharge requirements or to comply with OC San's Ordinance. The meetings are held with company representatives to discuss the discharge compliance problems and proposed long-term solutions.

Two (2) compliance meetings were conducted during the first and second quarters of FY 2021/22.

2.4 Compliance Requirement Letters

Compliance requirement letters are issued to require a permittee to comply with a specific condition of the permit and/or Ordinance, or to notify the permittee of an enforcement in accordance with the ERP, such as a compliance meeting.

Twenty-seven (27) compliance requirement letters were issued during the first and second quarters of FY 2021/22.

2.5 Order to Cease/Terminate Noncompliance/Discharge

Orders are issued where a permittee is continually noncompliant or has committed one or more significant violations of the permit and/or Ordinance. The Order requires a permittee to comply with a specific condition of the permit and/or Ordinance and may notify the permittee of escalated enforcement in accordance with the ERP, such as a compliance meeting.

Two (2) orders to cease/terminate non-compliance/discharge were issued during the first and second quarters of FY 2021/22.

2.6 Notices of Violation

An NOV is written notification from OC San that references findings from recent sampling programs and indicates that specific violations of the permittees' discharge limits have occurred. The NOV is usually accompanied by noncompliance sampling and/or processing fees. The NOV instructs the permittee to take immediate action to correct the problem.

Seventy-three (73) NOVs were issued in the first and second quarters of FY 2021/22.

2.7 Probation Orders

Upon determination that a permittee is in noncompliance with the terms and conditions specified in its permit or any provision of OC San's Ordinance, OC San may issue a probation order. The probation order contains conditions, requirements, and a compliance schedule. The term of a probation order does not exceed ninety (90) days. The permittee is required to comply with all conditions and requirements within the time specified, including the submittal of information pertaining to waste source characterizations, pretreatment modifications, and waste minimization alternatives, and increasing the frequency of self-monitoring.

There were no probation orders issued in the first and second quarters of FY 2021/22.

2.8 Enforcement Compliance Schedule Agreement

An ECSA is an agreement between the permittee and OC San specifying that pretreatment equipment is installed or pollution prevention measures are implemented by the permittee within a scheduled time period, and that the permittee remains in consistent compliance during the term of the ECSA. The ECSA contains terms and conditions by which the permittee must operate and specifies dates for construction or acquiring and installing the pretreatment equipment and/or implementing waste minimization to achieve compliance. During the ECSA, inspection and sampling of the facilities are conducted monthly by OC San's inspectors to verify that all terms and conditions of the ECSA are met. In addition, the permittee is required to perform accelerated and extended self-monitoring.

There were no ECSAs issued during the first and second quarters of FY 2021/22.

2.9 Regulatory Compliance Schedule Agreement (RCSA)

Subsequent to the issuance of an industrial wastewater discharge permit to an industrial user, federal Categorical Pretreatment Standards may be adopted or revised by the US EPA, or OC San may enact revised discharge limits. If the General Manager determines that a permittee would not be in compliance with the newly adopted or revised limits, the permittee may be required to enter into a RCSA with OC San. The terms and conditions of an RCSA require the permittee to achieve compliance with all new standards by a specific date. RCSAs have a maximum term of two hundred seventy (270) days.

The issuance of an RCSA may contain terms and conditions including, but not limited to, requirements for installation of pretreatment equipment and facilities, submittal of drawings or reports, waste minimization practices, or other provisions to ensure compliance with OC San's Ordinance. While the RCSA is in effect, any discharge by the permittee in violation of the RCSA will require payment of non-compliance sampling fees in accordance with Article 6 of OC San's Ordinance.

There were no RCSAs issued during the first and second quarters of FY 2021/22.

2.10 Administrative Complaints, Penalties, and Settlement Agreements

Pursuant to the authority of California Government Code Section 54740.5, OC San may issue administrative complaints and penalties against the responsible officer or owner of any company that violates any permit condition or effluent limit. In accordance with an OC San Board of Directors Resolution, OC San may also negotiate a settlement agreement in lieu of an administrative complaint, which includes corrective actions on the part of the industry and reduced administrative penalties.

There was one settlement agreement with administrative penalties issued during the second quarter of FY 2021/22. There were no administrative penalties issued during the first quarter of FY 2021/22.

2.11 Permit Suspension

When OC San believes that grounds exist for permit suspension, the permittee is notified in writing of the reasons for permit suspension and the date of the permit suspension hearing. At the hearing, OC San staff and the permittee are provided the opportunity to present their evidence to the Hearing Officer. After the hearing a written determination is made, and upon order of suspension the permittee must cease discharge to the sewer for the duration of the suspension.

No permit suspensions were ordered during the first and second quarters of FY 2021/22.

2.12 Permit Revocation

The last recourse in the chain of administrative enforcement provisions is permit revocation. A permittee with a critical noncompliance record or who has failed to pay fees and charges is notified in writing of the reasons for permit revocation and the date of the permit revocation hearing. At the hearing OC San staff and the permittee are provided the opportunity to present evidence to a designated hearing officer. After the conclusion of the hearing, the hearing officer makes a determination if permit revocation is warranted and provides a written report to the General Manager for final determination. Should the General Manager determine that the noncompliance record is substantial, revocation of the industrial waste discharge permit and loss of sewer discharge privileges may result.

No permit revocations were ordered during the first and second quarters of FY 2021/22.

2.13 Emergency Suspension Order

Pursuant to Section 614 of OC San's Ordinance, an emergency suspension order may be ordered to stop an actual or impending discharge that presents or may present an imminent or substantial endangerment to the health and welfare of persons or to the environment, may cause interference to OC San's sewerage facilities, or may cause OC San to violate any state or federal law or regulation.

No emergency suspension orders were issued during the first and second quarters of FY 2021/22.

2.14 Civil/Criminal Complaints

When a permittee intentionally or negligently violates any provision of the Ordinance, permit conditions, or discharge limits, OC San may petition to the Superior Court for the issuance of a preliminary or permanent restraining order. In addition, OC San can petition the court to impose, assess, and recover civil penalties for each day that violation occurs or seek criminal penalties for illegal disposal in accordance with OC San's Ordinance.

No civil/criminal complaints were made during the first and second quarters of FY 2021/22.

2.15 Industries with Discharge Violations

The table below lists those facilities with discharge violations between July 1st – December 31st, 2021, and whether the violation(s) exceeded Federal Categorical Pretreatment Standard Limits, OC San Local Discharge Limits, or both.

Table 2.1 Industries with Discharge Violations July 1 – December 31, 2021
Orange County Sanitation District, Resource Protection Division

Facility	Permit No.	Pollutant(s) in Violation	Date or Month of Violation	Exceeded Federal Categorical Limit	Exceeded Local Limit
Air Industries Company, A PCC Company (Knott)	1-531404	Chromium	10/13/2021	✓	-
Air Industries Company, A PCC Company (Knott)	1-531404	Fluoride	Oct 2021	✓	-

Table 2.1 Industries with Discharge Violations July 1 – December 31, 2021
Orange County Sanitation District, Resource Protection Division

Facility	Permit No.	Pollutant(s) in Violation	Date or Month of Violation	Exceeded Federal Categorical Limit	Exceeded Local Limit
Alloy Die Casting, Co. dba ADC Aerospace	1-531437	Zinc	8/26/2021	✓	-
Alloy Die Casting, Co. dba ADC Aerospace	1-531437	Zinc	10/14/2021	✓	-
Alloy Die Casting, Co. dba ADC Aerospace	1-531437	Zinc	Aug 2021	✓	-
Alloy Die Casting, Co. dba ADC Aerospace	1-531437	Zinc	Dec 2021	✓	-
Alloy Tech Electropolishing, Inc.	1-011036	Molybdenum	7/13/2021	-	✓
Alloy Tech Electropolishing, Inc.	1-011036	Molybdenum	11/5/2021	-	✓
Amerimax Building Products, Inc.	1-021102	CN	7/8/2021	✓	-
Amerimax Building Products, Inc.	1-021102	CN	Jul 2021	✓	-
Andres Technical Plating	1-521798	Chromium	9/10/2021	✓	-
Andres Technical Plating	1-521798	Nickel	9/10/2021	✓	-
Andres Technical Plating	1-521798	Chromium	Sep 2021	✓	-
Andres Technical Plating	1-521798	Nickel	Sep 2021	✓	-
AnoChem Coatings	1-600295	Nickel	9/9/2021	-	✓
AnoChem Coatings	1-600295	Nickel	Sep 2021	✓	-
ARO Service	1-021192	Copper	12/13/2021	-	✓
ARO Service	1-021192	pH	12/13/2021	-	✓
ARO Service	1-021192	Zinc	12/13/2021	✓	-
ARO Service	1-021192	Zinc	Dec 2021	✓	-
Auto-Chlor System of Washington, Inc.	1-511384	Copper	10/20/2021	-	✓
Aviation Equipment Processing	1-071037	Cadmium	11/30/2021	✓	-
Aviation Equipment Processing	1-071037	Cadmium	Nov 2021	✓	-
Avid Bioservices, Inc.	1-571332	acetone	12/16/2021	✓	-
Beo-Mag Plating	1-511370	CN	Aug 2021	✓	-
Beverage Visions LLC (Yorba Linda)	1-601449	pH	12/7/2021	-	✓

Table 2.1 Industries with Discharge Violations July 1 – December 31, 2021
Orange County Sanitation District, Resource Protection Division

Facility	Permit No.	Pollutant(s) in Violation	Date or Month of Violation	Exceeded Federal Categorical Limit	Exceeded Local Limit
Catalina Cylinders, A Div. of APP	1-031021	Chromium	Dec 2021	✓	-
CD Video, Inc.	1-511076	Nickel	10/11/2021	✓	✓
CD Video, Inc.	1-511076	Nickel	Oct 2021	✓	-
Circuit Technology, Inc.	1-521821	Copper	10/19/2021	-	✓
Circuit Technology, Inc.	1-521821	pH	10/19/2021	-	✓
City of Tustin - Maintenance Yard	1-071058	Zinc	8/31/2021	-	✓
Coast to Coast Circuits, Inc.	1-111129	Lead	8/12/2021	✓	-
Coastline High Performance Coatings, LTD	1-600812	Lead	Nov 2021	✓	-
Coastline Metal Finishing Corp., A Division of Valence Surface Technologies	1-600708	CN	Dec 2021	✓	-
Dunham Metal Plating Inc.	1-601023	Zinc	10/20/2021	✓	✓
Dunham Metal Plating Inc.	1-601023	Zinc	11/5/2021	✓	✓
Dunham Metal Plating Inc.	1-601023	Zinc	11/23/2021	✓	✓
Dunham Metal Plating Inc.	1-601023	Zinc	Nov 2021	✓	-
Dunham Metal Plating Inc.	1-601023	Zinc	Oct 2021	✓	-
Eco Pure LLC	1-601406	pH	12/16/2021	-	✓
EFT Fast Quality Service, Inc.	1-011064	Nickel	11/3/2021	✓	-
EFT Fast Quality Service, Inc.	1-011064	Nickel	Nov 2021	✓	-
Electrode Technologies, Inc. dba Reid Metal Finishing	1-511376	Cadmium	9/17/2021	✓	✓
Electrode Technologies, Inc. dba Reid Metal Finishing	1-511376	Chromium	11/3/2021	✓	-
Electrode Technologies, Inc. dba Reid Metal Finishing	1-511376	Copper	11/3/2021	-	✓

Table 2.1 Industries with Discharge Violations July 1 – December 31, 2021
Orange County Sanitation District, Resource Protection Division

Facility	Permit No.	Pollutant(s) in Violation	Date or Month of Violation	Exceeded Federal Categorical Limit	Exceeded Local Limit
Electrode Technologies, Inc. dba Reid Metal Finishing	1-511376	Cadmium	Aug 2021	✓	-
Electrode Technologies, Inc. dba Reid Metal Finishing	1-511376	Cadmium	Sep 2021	✓	-
Electrolurgy, Inc.	1-071162	Cadmium	9/9/2021	✓	-
Embee Processing (Anodize)	1-600456	CN	12/1/2021	✓	-
Embee Processing (Anodize)	1-600456	CN	Dec 2021	✓	-
Gemini Industries, Inc.	1-071172	pH	7/8/2021	-	✓
Hartwell Corporation	1-021381	O&G min.	7/22/2021	-	✓
Hightower Plating & Manufacturing Co.	1-021185	Cadmium	12/17/2021	✓	-
House Foods America Corporation (East)	1-600906	pH	8/16/2021	-	✓
Howmet Global Fastening Systems Inc.	1-021081	pH	8/18/2021	-	✓
LGM Subsidiary Holdings LLC	1-601313	acetone	9/23/2021	✓	-
Linco Industries, Inc.	1-021253	CN	9/21/2021	✓	-
Linco Industries, Inc.	1-021253	pH	10/28/2021	-	✓
Linco Industries, Inc.	1-021253	Cadmium	10/29/2021	✓	✓
Linco Industries, Inc.	1-021253	Lead	10/29/2021	✓	✓
Linco Industries, Inc.	1-021253	Zinc	10/29/2021	✓	✓
Linco Industries, Inc.	1-021253	Cadmium	Oct 2021	✓	-
Linco Industries, Inc.	1-021253	Lead	Oct 2021	✓	-
Linco Industries, Inc.	1-021253	Zinc	Oct 2021	✓	-
Linco Industries, Inc.	1-021253	CN	Sep 2021	✓	-
LM Chrome Corporation	1-511361	CN	Sep 2021	✓	-
Logi Graphics, Inc.	1-031049	Copper	10/14/2021	-	✓
Orange County Chemical Supply, Inc.	1-600766	O&G min.	11/4/2021	-	✓
Pacific Western Container	1-511371	Molybdenum	7/13/2021	-	✓
Patriot Wastewater, LLC (Freedom CWT)	1-521861	4-Methylphenol	Nov 2021	✓	-
Q-Flex Inc.	1-600337	Copper	Aug 2021	✓	-

Table 2.1 Industries with Discharge Violations July 1 – December 31, 2021
Orange County Sanitation District, Resource Protection Division

Facility	Permit No.	Pollutant(s) in Violation	Date or Month of Violation	Exceeded Federal Categorical Limit	Exceeded Local Limit
RBC Transport Dynamics Corp.	1-011013	Total Toxic Organics [§433.11e]	12/3/2021	✓	-
RBC Transport Dynamics Corp.	1-011013	Cadmium	12/6/2021	✓	-
RBC Transport Dynamics Corp.	1-011013	Cadmium	Dec 2021	✓	-
RBC Transport Dynamics Corp.	1-011013	Zinc	Jul 2021	✓	-
Rigiflex Technology, Inc.	1-021187	Copper	7/7/2021	-	✓
Rigiflex Technology, Inc.	1-021187	Copper	Jul 2021	✓	-
Santana Services	1-021016	Chromium	Jul 2021	✓	-
Statek Corporation (Main)	1-021664	pH	9/14/2021	-	✓
Statek Corporation (Main)	1-021664	pH	12/1/2021	-	✓
Stepan Company	1-021674	1,4-dioxane	8/4/2021	-	✓
Summit Interconnect, Inc.	1-600012	Copper	7/15/2021	-	✓
Summit Interconnect, Inc.	1-600012	Copper	8/18/2021	-	✓
Summit Interconnect, Inc.	1-600012	Copper	10/13/2021	-	✓
Summit Interconnect, Inc.	1-600012	Copper	Oct 2021	✓	-
Taylor-Dunn Manufacturing Company	1-021123	Zinc	Nov 2021	✓	-
TTM Technologies North America, LLC. (Coronado)	1-521859	Copper	11/2/2021	-	✓
Winonics (Brea)	1-031035	Copper	10/6/2021	-	✓
Winonics, Inc.	1-021735	Copper	11/10/2021	-	✓

Note: violations with only the month indicated are monthly discharge violations.

2.16 Enforcement – Summary by Permittee

This section summarizes various enforcement actions conducted for permittees in the first half of FY 2021/22. Potential enforcement actions include but are not limited to compliance inspections, compliance meetings, probation orders, enforcement compliance schedule agreements, regulatory compliance schedule agreements, orders to cease, permit suspensions, and permit revocations.

Advance-Tech Plating, Inc. (Permit No. 1-021389)

Advance-Tech Plating, Inc. (ATP) is a job shop metal finishing facility. The facility performs anodizing and passivation on steel, aluminum, and some copper/brass parts. Operations at ATP start with precleaning and etching, then deoxidizing with muriatic acid and anodizing with sulfuric acid, followed by chem filming and dye coloring per customer specification. To protect the dyed surface, the parts are dipped in a clear anoseal followed by final rinsing and drying. Most of the wastewater is generated from the rinsing operations. ATP operates a continuous and a batch pretreatment system which consists of chrome reduction, pH adjustment, flocculation, metal precipitation and clarification. ATP utilizes a filter press for sludge dewatering.

As a result of multiple pH and heavy metals violations in 2019, ATP identified malfunctioning equipment and addressed compliance deficiencies with the installation of additional pretreatment equipment.

July 1 – December 31, 2021

On August 31, 2021, ATP submitted an O&M manual, pretreatment system layout and process flow drawings, manufacturing process drawings, and waste characterization information. On September 21, 2021, ATP had instantaneous chromium and zinc violations and on September 22, 2021, ATP had a daily average zinc violation. An NOV was issued on October 14, 2021. On October 11, 2021, ATP submitted an SLCP. On November 4, 2021, OC San conducted a compliance inspection. At the time of inspection, ATP attributed the violations to improper management of the pretreatment system; however, a corrective action was not determined. On November 15, 2021, OC San issued a compliance requirement letter that directed ATP to determine a source of the violations, institute corrective actions, and submit a related summary report.

OC San will continue enforcement during the next reporting period and continue to monitor ATP's discharge and compliance status.

Air Industries Company, A PCC Company (Knott) (Permit No. 1-531404)

Air Industries Company, A PCC Company (Knott) (AIC-Knott) manufactures titanium and stainless steel fasteners (rivets, screws, bolts, nuts) for the aviation and aerospace industries. Wastewater is generated from the following operations: alkaline cleaning, etching, passivation, pickling, chemfilm, cadmium and nickel electroplating, and molten salt deoxidation of titanium parts. Rinse water from metal surface finishing is segregated and treated through a continuous pretreatment system. Pretreatment system consists of chrome reduction, hydroxide precipitation, coagulation and flocculation, clarification, and sludge dewatering. Cyanide bearing waste is directed through an ion exchange system and is recycled back to the process. Mop water and oily water waste are segregated into totes and waste hauled offsite for disposal.

July 1 – December 31, 2021

On October 13, 2021, AIC-Knott had a chromium violation for which an NOV was issued on November 23, 2021. AIC-Knott will also be issued an additional NOV during the next reporting period for the October chromium monthly violation. AIC-Knott provided a root cause analysis and a corrective action report via email on December 15, 2021, that attributed the cause of the violation to a failure in their recirculation pump for their chromium waste stream, which lead to improper treatment. AIC-Knott had replaced the pump with air-diaphragm pumps as they have in-house capability to repair the equipment if it fails. Subsequent sampling showed compliance with AIC-Knott's chromium limits.

OC San will continue enforcement during the next reporting period and continue to monitor AIC-Knott's discharge and compliance status during the next reporting period.

Alex C. Fergusson, LLC, A Zep Company (Permit No. 1-601167)

Alex C. Fergusson manufactures liquid and powder soaps and detergents for industrial application. Wastewater generated from equipment washdown is collected in a centralized sump equipped with a submersible pump that discharges to sewer by float activation. The centralized collection sump serves as the designated sample point.

July 1 – December 31, 2021

During a routine inspection on July 27, 2021, Alex C. Fergusson stated that pH in the sample point is manually adjusted. OC San staff determined the reported practice was inadequate to maintain long-term compliance with permit limits and prevent slug discharge of concentrated waste. OC San also noted the potential for the collection of stormwater and subsequent discharge to the sewer. On November 9, 2021, OC San issued a compliance requirement letter that required Alex C. Fergusson to submit a proposal to 1) install an automated batch treatment system equipped with automatic chemical feeds, mixers, shutoff valves, and a continuous pH chart recorder, 2) update related facility figures, and 3) prevent stormwater and surface runoff inflow to the sewer system. On December 8, 2021, it was reported that Alex C. Fergusson was planning on ceasing operations at the current location and relocating by February 2022. On December 16, 2021, Alex C. Fergusson submitted an interim compliance plan that addressed items outlined in the compliance requirement letter dated November 9, 2021.

OC San will continue to monitor Alex C. Fergusson's compliance status during the next reporting period and confirm that wastewater discharge has been terminated.

All Metals Processing of O.C., Inc. (Permit No. 1-031110)

All Metals Processing of O.C., Inc. (All Metals) performs plating and anodizing for military, aerospace, commercial and medical applications. Wastewater generated from rinse tanks is segregated by constituent composition. Cyanide and chrome-bearing rinses are treated separately prior to convergence with remaining wastewater. Treatment consists of chromium reduction, cyanide destruction, heavy metal precipitation and solids settling and clarification. Collected sludge is processed through a filter press. Filtrate is returned for treatment and filter cake is hauled for offsite disposal. Concentrated solutions are batch treated.

July 1 – December 31, 2021

During a routine inspection on July 27, 2021, OC San noted wastewater from non-destructive testing bypassed the compliance sample point. On October 7, 2021, OC San issued a compliance requirement letter that required All Metals to submit proposals to measure the volume of wastewater discharged from non-destructive testing and reroute discharge such that the sample point is representative of all regulated wastestreams generated and discharged at the facility.

On December 2, 2021, All Metals submitted information concerning non-destructive testing; however, the submittal was incomplete as it did not address the items outlined in the compliance requirement letter dated October 7, 2021. On December 22, 2021, All Metals requested and was granted an extension to submit proposals by February 15, 2022. The deadline for installation and integration will be updated upon receipt and review of the proposals.

OC San will continue to monitor All Metals' discharge and compliance status during the next reporting period.

Alloy Die Casting Co. dba ADC Aerospace (Permit No. 1-531437)

Alloy Die Casting, Co. dba ADC Aerospace (ADC) is a non-ferrous metal former that manufactures diecast parts to customer's specifications from aluminum and zinc alloys. Molten metal is injected into a steel die cavity at a controlled temperature under high pressure. Once the metal part is cooled and has reached sufficient rigidity, the mold opens up and the part is ejected. After casting, the part will undergo manual pneumatic grinding or belt sanding, followed by wet deburring to clean, de-flash, and/or provide a surface finish. Alloy Die uses two batch treatment systems, both of which perform pH adjustment and metals removal through flocculation, while one performs oil & grease removal as well. The treated metal-bearing wastestream passes through a filter press, from which the filtrate is discharged to the sewer. The oil & grease wastestream is sent through an oil/water separator, from which the separated water is sent to the other batch treatment tank and the separated oil & grease is wastehauled.

As a result of multiple zinc violations in 2020, ADC attributed the noncompliance to increased production and consequently instituted additional zinc testing to confirm compliance prior to discharge to the sewer. In May 2021, ADC exceeded the monthly average discharge limit for zinc.

July 1 – December 31, 2021

On August 3, 2021, OC San issued an NOV for the May 2021 zinc monthly average discharge limit exceedance. On August 26, 2021, ADC had a zinc violation, for which an NOV was issued on September 16, 2021. This exceedance caused an exceedance of the zinc monthly average discharge limit for August 2021, for which an NOV was issued on November 2, 2021. On October 14, 2021, ADC had an additional zinc violation, for which an NOV was issued on November 2, 2021. This exceedance caused an exceedance of the zinc monthly average discharge limit for October 2021, for which an NOV will be issued in the following reporting period. In December 2021, ADC exceeded the monthly average discharge limit for zinc, for which an NOV will be issued in the following reporting period. ADC noted that residual zinc solids not filtered through the two filter presses may be passed to the final effluent holding tank and sent to the designated sample point. ADC will propose an additional solids removal and filtration system downstream of the filter presses and upstream of the effluent holding tank to remove these residual zinc solids which may not be captured by the filter press.

OC San will review the proposal for the additional zinc removal and filtration system in the next reporting period and will continue to monitor ADC's discharge and compliance status on a quarterly basis.

Alloy Tech Electropolishing, Inc. (Permit No. 1-011036)

Alloy Tech Electropolishing, Inc (Alloy Tech) is an electropolishing job shop. Workpieces consisting of cast, stamped, or machined parts. Fabricated assemblies are electropolished by manual rack techniques in six process tanks (100 to 2,000 gallons). Two tube processing stations handle tubing components too long for the process tanks. The processing of a typical part begins with metal preparation (alkaline cleaning, caustic cleaning, or nitric pickling to remove oxides and discoloration) followed by either passivation or electropolishing in a phosphoric/sulfuric acid solution. Passivation processes also may include nitric, dichromate, and citric acid. The company also provides precision cleaning in the onsite Class 100 cleanroom. After ultrasonic alkaline cleaning, the parts are rinsed with ultra-pure RO/DI water, dried in the HEPA filtered environment, purged with high-purity nitrogen, packaged, and sealed.

Wastewater generated at Alloy Tech comprises of the spent alkaline cleaners, the associated rinse wastestreams, and the reject from the RO system. The RO reject is plumbed to a floor drain and does not pass through the sample point. Alloy Tech employs hydroxide chemical precipitation followed by filter press to treat wastestreams generated at the facility.

July 1 – December 31, 2021

On July 13, 2021, and November 5, 2021, Alloy Tech had average daily and instantaneous molybdenum violations for which NOVs were issued on August 2, 2021, and November 30, 2021, respectively. On September 30, 2021, and December 16, 2021, OC San conducted compliance inspections at Alloy Tech to investigate the root cause of the molybdenum violations detected in the facility's wastewater discharge. Alloy Tech has been unable to determine the root cause of the molybdenum violations and has reported that the steel alloy and the chemicals used for passivation and electropolishing do not contain molybdenum. Specifically, per communication between the steel alloy supplier and Alloy Tech, the supplier has indicated that the steel alloy has negligible levels of molybdenum. Alloy Tech has also reported that a substantial portion of the rinses use tap water, which according to Alloy Tech has molybdenum levels as high as 1 mg/L.

On October 6, 2021, OC San issued a compliance requirement letter, requiring Alloy Tech to: 1) submit a correction action report to OC San by October 31, 2021; 2) submit a pollutant identification report by November 30, 2021; 3) and submit a proposal for pretreatment system modifications to maintain long term compliance by November 30, 2021. Alloy Tech failed to submit the requirements documentation to OC San by October 31, 2021.

OC San will continue enforcement during the next reporting period and continue to monitor Alloy Tech's discharge and compliance status on a quarterly basis.

Amerimax Building Products, Inc. (Permit No. 1-021102)

Amerimax coats large rolls of aluminum sheet material. The coils are precleaned with alkaline solution prior to conversion coating, painting, curing, and quenching. Wastewater generated from alkaline precleaning and quenching routes to a three-stage clarifier and discharges to the sample point and to sewer.

July 1 – December 31, 2021

On July 8, 2021, Amerimax had cyanide violations for which NOVs were issued on October 28, 2021, and November 2, 2021, for monthly mass and daily mass limits violations, respectively. OC San conducted a compliance inspection on November 18, 2021. At the time of inspection, Amerimax was unable to identify the source for the violations and a corrective action was not determined. On November 24, 2021, OC San issued a compliance requirement letter that directed Amerimax to further review the violations, institute corrective actions, and submit a related summary report.

OC San will continue enforcement during the next reporting period and continue to monitor Amerimax's discharge and compliance status.

Andres Technical Plating (Permit No. 1-521798)

Andres Technical Plating (Andres) is a job shop and performs soap cleaning, alkaline cleaning, acid cleaning, and electroplating of nickel, copper, chromium bathroom fixtures and small automobile parts.

The pretreatment area is divided into treatment for two segregated wastestreams, zinc and nickel bearing wastewater and copper and chrome bearing wastewater. Batch treatment is conducted on both streams 2-3 times a week or as needed. Both waste streams flow into a pair of separate batch tanks for treatment. Nickel and zinc wastewater undergoes typical metals hydroxide precipitation, while copper and chrome undergo chrome reduction with ORP and sodium metabisulfite. Following chrome reduction, wastewater is diverted to nickel and zinc treatment for complete metals treatment. Solids are pumped to the sludge holding tank and then to the filter press, while supernatant clear water is pumped to WW Tank 6 for holding prior to discharge.

July 1 – December 31, 2021

On July 1, 2021, OC San issued an NOV for the nickel monthly exceedance from April 2021. On July 13, 2021, OC San issued a compliance requirement letter, requiring Andres to submit a corrective action report and multiple proposals to address the pretreatment system deficiencies at the facility. On August 31, 2021, Andres submitted the pretreatment system proposal to OC San, for which feedback was provided on September 7, 2021. On September 10, 2021, Andres had nickel and chromium daily limit exceedances, for which an NOV was issued on September 30, 2021. On October 14, 2021, OC San conducted a compliance inspection at Andres. During the compliance inspection, Andres attributed the chromium and nickel violations to excessive solids accumulation in the effluent wastewater holding tank (TWW #6). OC San added that the root cause could also be associated to inefficient waste minimization procedures in the production area since all rinsing processes are static. Andres reported that an assessment of waste minimization procedures has been initiated and will be implemented once an evaluation of the production processes is completed.

On November 4, 2021, OC San issued a compliance requirement letter to Andres directing the facility to attend a compliance meeting with OC San due to on-going issues at the facility and a failure to implement pretreatment proposal by the required date. On December 1, 2021, OC San held a compliance meeting with Andres to verify the status of the requirements listed in the compliance requirement letters issued to date to the facility. Another compliance requirement letter with requirements and revised due dates based on the compliance meeting will be issued during the next reporting period. On December 2, 2021, OC San issued an NOV for the September 2021 for the chromium and nickel monthly limit exceedances.

OC San will continue enforcement during the next reporting period and continue to monitor Andres' discharge and compliance status on a quarterly basis.

AnoChem Coatings (Permit No. 1-600295)

AnoChem Coatings (AnoChem) is a job shop anodizing, and its operations include anodizing, chemical etching, and coating. AnoChem Coatings primarily performs type II anodizing of customer-supplied aluminum parts. Parts are used in all industries, including automotive, aerospace, and medical. Aluminum parts received from the customers are cleaned in an alkaline detergent, subject to deoxidizing, and then anodized clear or dyed a color, followed by a nickel seal. Colored tanks include black, blue, red, gold, and maybe combined for several others. Cleaned aluminum parts may also be chem-filmed only and readied for corrosive resistant painting by third parties. Anochem also conducts passivation on stainless steel with nitric and citric acids.

Wastewater-generating operations include alkaline cleaning, deoxidizing, etching, chem-film, anodizing, dyeing, nickel sealing, and associated rinses. The wastewater undergoes continuous pH adjustment in the two-stage treatment tank prior to discharge to the sewer. Rinse water with potential for hexavalent chrome from chem-film operations is closed loop and recycled through ion exchange tanks with resin regenerated off-site.

July 1 – December 31, 2021

On September 9, 2021, Anochem had a daily average nickel violation for which an NOV was issued on September 30, 2021. On December 2, 2021, an NOV was issued for the monthly average limit exceedance from September 2021.

On October 19, 2021, OC San conducted a compliance inspection at AnoChem to investigate the cause of the nickel violation. During the inspection, AnoChem informed OC San that the facility was testing two new process tanks (hard anodize and associated rinse) recently added to the manufacturing process. The self-monitoring reports show that on the day of the nickel violation, the discharge volume was 7,600 gallons, which is higher than the facility average discharges of 3,500 gallons per day (GPD) and the base flow value of 5,000 GPD. As a result, a mass discharge violation occurred.

On October 27, 2021, OC San issued a compliance requirement letter requiring AnoChem to submit: 1) a corrective action report, 2) a proposal for the production process modifications and expected changes to the wastewater characteristics, 3) revised facility drawings reflecting the changes recently made onsite and 4) a pollutant source identification report. On November 2, 2021, AnoChem submitted a corrective action report and a proposal for the production process modifications, which is currently under OC San review and evaluation.

OC San will continue enforcement during the next reporting period and continue to monitor AnoChem's discharge and compliance status on a quarterly basis.

ARO Service (Permit No. 1-021192)

ARO Service (ARO) performs repair and refurbishment of aluminum aircraft skins and wing components for the aviation industry. Operation at ARO includes chemical surface treatment. The conversion coating line at ARO consists of alkaline cleaning followed by a series of phosphoric acid/deoxidizer treatment and conversion coating and associated deionized water spray rinses. Wastewater from the rinse tanks is collected in a batch tank where soda ash is added and mixed with an air sparger to obtain a pH of 7.0 or higher before discharge to the sewer.

July 1 – December 31, 2021

On December 13, 2021, ARO had copper, zinc and pH violations that also resulted in a violation of the monthly limit for zinc. NOVs will be issued during the next reporting period.

OC San will continue enforcement during the next reporting period and will continue to monitor ARO's discharge and compliance status.

Auto-Chlor System of Washington, Inc. (Permit No. 1-511384)

Auto-Chlor System of Washington, Inc. manufactures approximately 1,600 gallons of soaps and detergents a day through chemical blending operations. There are also packaging and distribution operations from

bulk quantities to smaller containers. The company provides commercial dishwashing and laundering services throughout the United States.

Wastewater is generated from equipment, container, and blending vessel washing operations. Containers are brought back from serviced facilities and are cleaned as needed and refilled with the appropriate solution to be reused back in the field. Containers range in size up to 5-gallon buckets and have a patented cap to prevent contamination or use with other equipment. Raw materials arrive at the facility in drums, totes, or tankard, and are segregated based on incompatibles including bleach and acids. There is an 1,800-gallon chemical holding tank outside the warehouse in the parking lot on the east side of the facility, this is used for storage of bleach which is used in products. The company product list manufactured on-site includes soaps, detergents, descaler, and ammonia sanitizer. City water is used in blending operations, water is softened with a self-regenerating type of water softener, but no other treatment like RO or DI columns.

Auto-Chlor performs blending operations of raw materials in the below-grade secondary contained pit in the center of the production warehouse. There are four 450-gallon blending vessels/tanks and a 1,250-gallon blending vessel/tank. The same pit holds the 450-gallon batch wastewater treatment tank, and a spill containment sump directing any spills to batch treatment. The batch treatment has a manually operated discharge pump and ball valve to prevent any accidental releases to the sewer. Company only generates one or two batches of wastewater each month, wastewater is checked for chlorine and pH and adjusted as needed using citric acid and sodium bicarbonate. The pH must be between 7 and 9 prior to discharge, there is a detailed neutralization sheet and batch discharge log documenting each load. Sampling is conducted by grab at the batch tank just prior to discharge.

July 1 – December 31, 2021

On October 20, 2021, Auto-Chlor had a copper violation, for which an NOV was issued on November 16, 2021. On November 30, 2021, OC San conducted a compliance inspection at Auto-Chlor to investigate the cause of the recent copper violation. The company could not readily identify the root cause of the copper violation. OC San stated that the lack of copper in the chemicals used to manufacture the soaps and detergents may be an indication of cross-contamination in the facility processes. Auto-Chlor reported that on the day that OC San collected wastewater samples, the operator replaced a manual valve on one of the blending tanks. Auto-Chlor indicated that a copper pipe had to be cut in order to replace the valve, and that the feed water (hot tap water) is conveyed to the blending tanks via a copper pipe.

OC San will issue a compliance requirement letter during the next reporting period that will require Auto-Chlor to submit a corrective action report to OC San and submit analytical results for copper from samples of tap upstream and downstream of the heating system.

OC San will continue enforcement during the next reporting period and continue to monitor Auto-Chlor's discharge and compliance status on a quarterly basis.

Aviation Equipment Processing (Permit No. 1-071037)

Aviation Equipment Processing (AEP) manufactures, repairs, and assembles metal and composite structures for the aircraft and aerospace industries. Wet processes that generates wastewater includes alkaline cleaning, sulfuric dichromate etch, and a phosphoric anodizing line. Wastewater is pumped out from the process and rinse tanks to a 1,500-gallon batch holding tank. AEP conducts batch treatment which consists of pH adjustment, flocculation, and clarification followed by sludge dewatering with a filter press.

July 1 – December 31, 2021

On November 11, 2021, AEP had a cadmium daily limit violation, that also resulted in a monthly limit violation for Cadmium in the month of November; NOVs will be issued in the next reporting period.

OC San will continue enforcement actions and monitor AEP's discharge and compliance status during the next reporting period.

Avid Bioservices, Inc. (Permit No. 1-571332)

Avid Bioservices, Inc. (Avid) is a Contract Development Manufacturing Organization (CDMO) specializing in mammalian cell culture development and production of clinical and commercial monoclonal antibodies, recombinant proteins and enzymes. Liquid salt solutions and spent media are used throughout the process and are collected from the downstream purification area to be neutralized. Most solutions are 0.2um filtered during processing. Medium containing culture is disinfected prior to discharge to the sewer. Wastewater is also generated from the cleaning of the equipment used in the production operations and disinfected media culture. Avid has a pH adjustment system to treat the wastewater to compliant pH range.

July 1 – December 31, 2021

On December 16, 2021, Avid had an acetone violation, for which an NOV will be issued during the next reporting period. In December 2021, Avid had acetone and tetrahydrofuran monthly limit exceedances, for which an NOV will be issued in the next reporting period.

OC San will continue enforcement actions and continue to monitor Avid's discharge and compliance status during the next reporting period.

Bazz Houston Co. (Permit No. 1-031010)

Bazz Houston Co. (Bazz) manufactures springs, stampings and various metal parts through machining and bending operations. Wastewater is primarily generated by deburring operations and is discharged into a partitioned tank via hosing and gravity flows as runoff over a concrete pad into a sump.

In January 2021, Bazz had an oil & grease violation. Bazz attributed the violation to incorrect sampling technique utilized by their contracted laboratory technician. A compliance inspection was conducted and OC San observed that the discharge was not hard-plumbed to the discharge point, where wastewater flows as runoff over a concrete pad into the sump. OC San issued a compliance requirement letter in May 2021 requiring Bazz to hard-plumb and reroute their piping configuration, install an accessible sample box lid, establish a maintenance schedule for their sump and provide a detailed explanation as to why their re-sample is not representative of their discharge. Bazz submitted their proposal to address their compliance issues in June 2021.

July 1 – December 31, 2021

On August 31, 2021, OC San accepted Bazz's proposal to degrease all parts prior to deburring, install rigid piping to convey rinse water from the deburring machine directly to the sump, install an accessible sump lid, and maintain a weekly cleaning schedule of the sump. Bazz completed the implementation of these corrective actions by October 15, 2021. OC San conducted a compliance inspection on October 27, 2021 to verify the status of Bazz's implementation of their proposal.

Bazz had no further violations during this reporting period. OC San will continue to monitor Bazz's discharge and compliance status on a quarterly basis.

Beo-Mag Plating (Permit No. 1-511370)

Beo-Mag Plating is small job shop specializing in decorative chrome and gold plating, restoration of motorcycle and classic automobile parts, bathroom fixtures and other assorted parts.

The processing of a steel or die-cast zinc part generally proceeds by polishing, electrocleaning, cyanide copper strike, acid copper plating, manual buffing, alkaline cleaning to remove the buffing residue, nickel plating, and finally chrome plating. The chrome plating of a typical aluminum part proceeds by polishing, alkaline cleaning, Aluma acid etch, deoxidation, zincate, copper plating, buffing, alkaline cleaning to remove the buffing residue, nickel plating, and finally chrome plating. All wet operations are conducted manually using typical rack and wire plating techniques.

Wastestreams generated at Beo-Mag plating are treated using hydroxide precipitation, chrome reduction and cyanide destruction.

In June 2021, OC San conducted a compliance inspection at Beo-Mag to investigate the cause of the total cyanide violation detected in the facility's discharge in March 2021. During the compliance inspection, the

company attributed the cyanide violation to an operator error. Beo-Mag stated that the operator may have pumped out wastewater from the chromium reduction batch treatment before the chemical precipitation was completed. Beo-Mag conducts batch treatment twice a month and operating parameters indicate that an optimum chemical precipitation occurs within two days. On March 25, 2021, the hydraulic retention time may have not been enough to allow chemical reactions to be completed resulting in poor metals settling.

July 1 – December 31, 2021

On March 25, 2021, Beo-Mag had a total cyanide violation, for which an NOV was issued on July 1, 2021. On July 13, 2021, OC San issued a compliance requirement letter to Beo-Mag to submit a corrective action report for the last reporting period's cyanide violation by August 15, 2021. On August 15, 2021, Beo-Mag submitted a corrective action report confirming that it was an operator error.

On November 2, 2021, OC San issued an NOV for a cyanide monthly limit violation from August 2021. On November 2, 2021, OC San conducted a compliance inspection at Beo-Mag to investigate the cause of this total cyanide violation. During the compliance inspection, the company was unaware of the cyanide violation even though the violation was detected during the company's self-monitoring sampling. OC San reminded Beo-Mag of the discharge limits listed in the permit and of the importance of cross-checking discharge concentrations against the permit limits. OC San observed that Beo-Mag has proper instrumentation and controls to measure and achieve desired operational parameters; however, the company lacks sufficient documentation of regular calibration and maintenance of the pH meters and ORPs, which are essential for reliable operation and maintaining long-term compliance.

OC San also noted that the company lacks Standard Operating Procedures (SOPs) for the hydroxide precipitation, chrome reduction and cyanide destruction processes. Beo-Mag has a complex pretreatment system that has been operated and maintained without a set of written instructions that document routine procedures at the facility, minimizes inconsistencies, promotes quality, and supports compliance requirements. On November 24, 2021, OC San issued a compliance requirement letter requiring Beo-Mag to submit a correction action report and address the compliance deficiencies as noted. On November 16, 2021, Beo-Mag submitted a corrective action report and documented that pretreatment operator was not recording whether the pH and ORP sensors were calibrated and properly maintained.

OC San will continue enforcement during the next reporting period and continue to monitor Beo-Mag's discharge and compliance status on a quarterly basis.

Beverage Visions LLC (Yorba Linda) (Permit No. 1-601449)

Beverage Visions LLC (Beverage Visions) is a producer of beverages and dietary supplements. The company has proprietary recipes blending raw materials and ingredients into products which are bottled and packaged. Approximately 20,000 gallons of product are generated on-site each day. The facility has a large process room for blending and homogenizing in steel vessels and mix tanks. Vessels and tanks are transferred to the filling lines for processing of up to 400 bottles/minute per line. There are also shipping and storage areas, as well as a QA lab.

Wastewater is generated from cleaning and sanitation operations of all tanks, equipment, and rooms involved in production operations. There are also bottle rinsing and sanitizing operations, and a packaging floor steam tunnel with condensate. Beverage Visions also has a Zamboni cleaning machine for maintaining floors. Wastewater pH is neutralized with a caustic drip system designed to elevate pH of wastewater discharge. There is an underground three-stage clarifier with sample box on the outside east end of the building in the parking lot, which occasionally causes sampling issues due to parked cars.

Raw materials used as ingredients at the facility include juice, natural and artificial flavorings, salt, sugars, sweeteners, citric acid, ascorbic acid, syrups, extracts, potassium sorbate, sodium benzoate, vitamins, and seasonings. Other chemicals used on site include acetic acid and caustic used in Cleaning in Place (CIP) operations and all other cleaning and sanitation operations. Polymer and biocide are also used for the boiler and cooling tower.

July 1 – December 31, 2021

A pH violation was detected during OC San monitoring event on December 7, 2021, for which an NOV will be issued in the next reporting period.

OC San will continue enforcement during the next reporting period and continue to monitor Beverage Visions' discharge and compliance status on a quarterly basis.

Cadillac Plating, Inc. (Permit No. 1-021062)

Cadillac Plating, Inc. (Cadillac) is a job shop metal finishing facility. Wastewater-generating processes include alkaline and acid chloride zinc plating, bright tin plating, bright nickel plating, sulfuric anodizing, alkaline cleaning, acid activation, chromate conversion coating, chemfilm, and associated rinses. The facility engages in rack plating only. The facility operates a continuous hydroxide pretreatment system that consists of pH adjustment, chrome reduction, flocculent addition, clarification, and sludge dewatering with a filter press. Spent solutions are treated in a batch pretreatment system, with the effluent routed through the continuous pretreatment system for further treatment.

July 1 – December 31, 2021

During a compliance inspection on August 20, 2021, OC San noted multiple compliance deficiencies including: 1) the build-up of concentrated waste in running rinses that were being used in a static manner; 2) missing labels on tanks; 3) the automatic batch treatment system was being operated manually, and 4) the continuous treatment system walls were compromised allowing for by-pass of effective treatment. On September 8, 2021, OC San issued a compliance requirement letter, requiring Cadillac to maintain a certified wastewater treatment operator, cease the discharge of concentrated waste to the continuous treatment system, label all tanks and lines, develop a process for control the flow of rinse water to the treatment system, cease the practice of manually operating the automatic batch treatment system, revise the O&M manual with updated batch treatment procedures, and address any by-passing that was occurring in the continuous pretreatment system. OC Can verified progress on the compliance requirements during multiple compliance inspections on November 3 and December 10, 2021. Cadillac submitted multiple revisions of an O&M manual by December 15, 2021, and addressed the other compliance deficiencies noted above.

Cadillac had no violations during this reporting period. OC San will continue to monitor Cadillac's discharge and compliance status on a quarterly basis.

Cargill, Inc. (Permit No. 1-031060)

Cargill, Inc. (Cargill) is a bulk loading station with facilities for storage and packaging of vegetable-based and animal-based oils. Wastewater is generated by steam cleaning of packaging equipment and washdown of loading, processing, and packaging areas. Pretreatment at the facility consists of a skim basin followed by clarification for the removal of oil and fat and pH adjustment.

In October 2019, OC San issued a compliance requirement letter requiring Cargill to develop a stormwater mitigation plan to divert stormwater from sewer discharge. In November 2019, with the assistance of their consultant, Cargill submitted their response to the compliance requirement letter. OC San reviewed the submittal and considered it to have adequately addressed the issues at the time.

July 1 – December 31, 2021

OC San issued a compliance requirement letter on July 15, 2021, for Cargill to provide a proposal to mitigate stormwater intrusion into the sewer system. Cargill had requested several extensions to provide a proposal and on September 20, 2021, Cargill submitted a letter requesting a meeting with OC San to discuss potential solutions. On September 29, 2021, a meeting was held between OC San and Cargill to discuss Cargill's potential proposal of applying for a SPDP for their stormwater discharge. On October 22, 2021, Cargill submitted their proposal to modify certain existing structures to minimize stormwater discharge and to apply for a SPDP for the stormwater discharge. OC San is currently reviewing the proposal. On December 14, 2021, OC San conducted an inspection during a rain event and observed that stormwater was actively discharging into the sewer. An NOV will be issued during the next reporting period.

OC San will continue enforcement during the next reporting period and continue monitoring Cargill's discharge and compliance status.

Catalina Cylinders, a Div. of APP (Permit No. 1-031021)

Catalina Cylinders, a Div. of APP (Catalina Cylinders) manufactures high pressure gas cylinders from aluminum alloy material. The cylinders are produced in various sizes for the beverage, medical, and SCUBA diving industries. Wastewater is generated from the alkaline cleaning, hydrostatic pressure testing, and the iron phosphate conversion coating operations. Pretreatment at Catalina Cylinders is limited to a three-stage underground clarifier with filter socks installed in the first stage for oil and grease removal.

July 1 – December 31, 2021

Catalina Cylinders had a monthly chromium violation in December 2021, for which an NOV will be issued in the next reporting period.

OC San will continue with enforcement during the next reporting period and continue to monitor Catalina Cylinders' discharge and compliance status on a quarterly basis.

CD Video, Inc. (Permit No. 1-511076)

CD Video, Inc (CD Video) manufactures CD/DVDs using blank polycarbonate discs that are imprinted from a nickel-plated master disc in replication and duplication machines. Wastewater generated at CD Video includes rinse water from nickel plating process, preclean processes, and rinse water from developing and stripping processes. Pretreatment system consists of pH adjustment, hydroxide precipitation, ultrafiltration of decanted effluent and a final ion exchange polishing step. Sludge is pumped through bag filters, where the solids are collected are waste hauled offsite and the filtrate returns to the start of the pretreatment process.

July 1 – December 31, 2021

On October 11, 2021, CD Video had a nickel violation, for which an NOV was issued on November 30, 2021. CD Video will also be issued an additional NOV during the next reporting period for the October nickel monthly violation. CD Video was unable to determine the root cause of the violation, but the facility recalibrated and cleaned the system as a corrective measure. Additionally, CD Video also confirmed that their ceramic membranes are still functional and do not need to be replaced. Subsequent resamples demonstrated compliant levels for nickel in the wastewater discharge. CD Video also upgraded the size of their final batch tank.

OC San will continue enforcement during the next reporting period and continue to monitor CD Video discharge and compliance status during the next reporting period.

Chromadora, Inc. (Permit No. 1-511414)

Chromadora, Inc. (Chromadora) is a medium-size plating job shop that specializes in decorative chrome finishing. The finishing of a typical wheel begins offsite at an outside paint stripping service that provides organic coating removal. The wheel is then transferred to Chromadora's offsite location for polishing to provide a smooth unblemished surface. Once onsite, the wet surface finishing proceeds with alkaline and acid cleaning, to remove any residue and oxidation, followed by the application of a zincate film to prevent the aluminum surface from oxidizing prior to metal plating. Next, the wheel receives copper plating followed by manual buffing. A soap cleaning step removes any traces of buffing compound followed by electrocleaning, bright nickel plating, and finally chrome plating which completes the wet finishing operations. The wastewater discharge at Chromadora is generated by the various spent process solutions and the associated rinse wastestreams.

In April 2021, OC San conducted a multi-sampling event (24-hr composite and grab samples) in the Talbert Trunk, immediately downstream of Chromadora which resulted in violations of chromium, copper, nickel, and zinc.

July 1 – December 31, 2021

On July 7, 2021, OC San issued an order to immediately cease all non-compliant discharge and to take immediate corrective measures to ensure compliance with the Ordinance and permit. On July 14, 2021, a compliance meeting was held to discuss the results of downstream trunkline investigation and to give Chromadora the opportunity to present the reasons for these non-compliances. Chromadora attributed the high levels of metals in its wastewater discharge to wastewater generated during the cleaning of the batch treatment tanks coupled with miscommunication between manufacturing process operators and the pretreatment operator. Chromadora believes that operators dumped contaminated wastewater, that eventually discharged to the sewer, without communicating with the lead pretreatment operator. OC San was also informed that the recent compliance issues could have been caused by a lack of pretreatment system adequacy, a lack of pretreatment system operator experience, and excessive wastewater flow overwhelming the pretreatment system capacity. On July 14, 2021, Chromadora agreed to enter into a settlement agreement which was effective on November 30, 2021, and pay a total sum of ten thousand dollars ($10,000.00). The settlement agreement required Chromadora to take steps to address the compliance deficiencies.

OC San will continue enforcement during the next reporting period and continue to monitor Chromadora's discharge and compliance status.

Circuit Technology, Inc. (Permit No. 1-521821)

Circuit Technology, Inc. (Circuit Technology) is a small print and etch job shop servicing the printed circuit board industry. Many of the production steps are conducted in-house, beginning with customer supplied artwork. Processes include photo imaging, silk screening, solder mask screening, dry-film developing and laminating, scrubbing, resist stripping, and etching.

July 1 – December 31, 2021

On October 19, 2021, Circuit Technology had a pH and copper violation, for which an NOV was issued on November 16, 2021. On November 18, 2021, OC San conducted a compliance inspection to determine the cause of the pH and cooper violation. Circuit Technology stated and since confirmed in a corrective action report that an employee spilled a low pH copper cleaning solution, collected the floor waste with a mop and bucket, and subsequently discharged the floor waste to the sewer without additional treatment. Circuit Technology conducted retraining of employees on the proper handling and disposal of waste in the facility.

Circuit Technology had no further violations during this reporting period. OC San will continue to monitor Circuit Technology's discharge and compliance status on a quarterly basis.

City of Newport Beach, General Services

The City of Newport Beach operates a general services yard, which contains several areas for various municipal operations and vehicle maintenance. This yard also serves as a location where vacuum-truck vehicles can unload decant wastewater generated during the cleaning of both city sewer and stormwater piping. The City of Newport Beach has taken measures to prevent the discharge of stormwater to the sewer, including the installation of a rainwater diversion valve and the installation of a sluice gate.

During inspections in March 2021, OC San noted the discharge of stormwater to the sewer as a result of control devices set in the incorrect position. Subsequently, OC San issued a compliance requirement letter, requiring the City of Newport Beach to attend a compliance meeting and take corrective action. Since then, the City of Newport Beach has addressed the compliance deficiencies with improvements to administrative procedures including employee training and signage ensuring that control devices are actuated in the correct position to prevent the discharge of stormwater to the sewer.

July 1 – December 31, 2021

On December 7, 2021, OC San received the updated facility map, plumbing diagram, and corrective action letter from the City of Newport Beach. Also on December 7, 2021, OC San held a meeting with the City of Newport Beach to discuss the updated corrective action and protocol for storm events at the City Services yard. The City of Newport Beach noted a seated gate valve was installed to prove a better indication when

the gate is open or closed and stated the protocol that the valve will be closed at all times and only by select management staff. Additional signage was posted in the decanting areas to alert staff that the valve is to remain closed at all times, and to verify this prior to any rain events. On December 8, 2021, OC San received an updated response letter from the City of Newport Beach providing additional comments and corrective actions discussed during the meeting held on the previous day.

OC San will provide a formal response to the City of Newport Beach during the next reporting period and will continue to monitor the City of Newport Beach's compliance status with regard to preventing stormwater discharges to the sewer.

City of Tustin – Maintenance Yard (Permit No. 1-071058)

The City of Tustin – Maintenance Yard (Tustin Maintenance Yard) conducts fleet maintenance for city automobiles, trucks, and street sweepers, including steam cleaning and pressure washing. The wastewater is routed through a two-stage clarifier through a vault to the sewer system. Clarifier and vault maintenance include regular skimming and a set frequency of sludge buildup pump-out.

In June 2020, an NOV was issued to Tustin Maintenance Yard for a zinc violation. OC San conducted a compliance inspection during which the City of Tustin indicated that the most likely cause of the exceedance was the altered truck routes that may have higher contents of heavy metals. During the inspection, OC San informed Tustin Maintenance Yard of the access issues with the currently configured sampling point.

July 1 – December 31, 2021

On August 31, 2021, Tustin Maintenance Yard had a zinc violation, for which an NOV was issued on September 23, 2021. On September 30, 2021, OC San followed up with Tustin Maintenance Yard via an email to notify of the NOV and required the facility to submit a corrective action report. On October 6, 2021, Tustin Maintenance Yard submitted their corrective action report citing the source of violation to the street sweeper trucks. The facility informed OC San that they have started to log and inspect all items being disposed of at their limited volume transfer station and vendor drop off hours have been modified as well to ensure thorough inspections. Additionally, Tustin Maintenance Yard notified OC San that they have hired Fuscoe Engineering to assist them with a complete review of site and help mitigate zinc non-compliance. In further conversations with Tustin Maintenance Yard, OC San required the facility to provide a date for completion of their site study. On October 11, 2021, Tustin Maintenance Yard submitted a revised corrective action report with a final completion date of January 18, 2022.

OC San will continue enforcement during the next reporting period and continue monitoring Tustin Maintenance Yard's discharge and compliance status.

CJ Foods Manufacturing Corp. (Permit No. 1-521849)

CJ Foods Manufacturing Corp. (CJ Foods) manufactures, packages, and distributes dumplings. Wastewater is generated by the cleaning and sterilization of processing and packaging equipment along with some other miscellaneous washdown. Pretreatment consists of pH adjustment with sodium hydroxide in a 5,000-gallon underground clarifier.

In June 2021, CJ Foods had a pH violation, in which CJ Foods attributed the pH violations to siphoning of sodium hydroxide into the clarifier, which led to excessive dosing in the clarifier. As a corrective action, CJ Foods installed a solenoid valve downstream of the chemical feed pump that is controlled by the pH controller to prevent siphoning from occurring.

July 1 – December 31, 2021

OC San conducted a compliance inspection on July 7, 2021, to review the implementation of CJ Food's corrective action. Resampling and logged pH data provided by CJ Foods showed compliant pH levels in the wastewater discharge.

CJ Foods had no violations during this reporting period. OC San will continue to monitor CJ Foods' discharge and compliance status on a quarterly basis.

Coast to Coast Circuits, Inc. (Permit No. 1-111129)

Coast to Coast Circuits, Inc. (Coast) is a medium size facility that specializes in quick-turn and semi-production orders for aerospace, commercial, medical, military/defense, and telecommunication applications. The circuit manufacturing processes include cutting the copper clad or unclad materials, photoresist application, inner-layer circuit imaging, resist developing, ammonium etching, and alkaline resist stripping. For multilayer boards, this is followed by brown oxide or plasma surface preparation, lamination, drilling, and plasma or high-pressure de-smear.

Coast to Coast treats dilute rinse waters using an ion exchange system and recycles the treated water back to process tanks. Concentrated process solutions are segregated and treated in an automatic batch treatment system. The automatic batch treatment system consists of one surge tank, a sump, two holding tanks, and two treatment tanks. The system is also equipped with automatic pH and ORP control and uses coagulant, precipitant, and flocculant. The remaining wastewater with negligible or no pollutant concentration levels is routed to the clarifier for pH adjustment prior to discharge to the sewer. As a result of a probation order issued in June 2020, Coast to Coast is required to complete installation of a pH diversion valve system, new clarifier, and effluent flow meter.

As a result of a pH violation, multiple compliance deficiencies, and failure to comply with subsequent compliance requirement letters, Coast to Coast was issued a probation order in June 2020. From August to December 2020, after multiple revisions to compliance requirement proposals, multiple meetings with Coast to Coast, and a copper violation, OC San accepted the proposed changes to the facility. However, Coast to Coast failed to install the proposed pretreatment system and process modifications as accepted by OC San. As a result of a copper violation in March 2021 and continued noncompliance, OC San issued a compliance requirements letter in May 2021, requiring Coast to Coast to complete outstanding probation order requirements.

July 1 – December 31, 2021

On August 12, 2021, Coast to Coast had a lead violation, for which an NOV was issued on October 28, 2021. As a result of Coast to Coast's continued noncompliance and failure to complete the requirements from the original probation order in June 2020 and subsequent compliance requirement letters, OC San issued a cease order on December 8, 2021, requiring Coast to Coast to attend a compliance meeting during the next reporting period.

Coast to Coast had no further violations during this reporting period. OC San will continue enforcement during the next reporting period and continue to monitor Coast to Coasts' discharge and compliance status on a quarterly basis.

Coastline High Performance Coatings, LTD (Permit No. 1-600812)

Coastline High Performance Coatings, LTD (Coastline HPC) manufactures satellite components. Wastewater generating process at the facility includes ultrasonic and alkaline clean, sulfuric acid and ferric chloride etching, chem-film with either sodium dichromate solution or with their clear chem-film solution (trivalent chrome). Dragout for their etching process is used to replenish the process bath while the rinses for the etching and chem-film processes are regenerated via an ion exchange resin and recycled in a closed loop system. Rinses for the alkaline, deoxidizer and clear chem film are discharged to a holding tank. This then feeds a final tank where the wastewater is pH adjusted prior to discharge to the sewer.

July 1 – December 31, 2021

Coastline HPC had a monthly lead violation in November 2021. An NOV will be issued in the next reporting period.

OC San will continue enforcement during the next reporting period and continue to monitor Coastline HPC's discharge and compliance status during the next reporting period.

Coastline Metal Finishing Corp., A Division of Valence Surface Technologies (Permit No. 1-600708)

Coastline Metal Finishing Corp. A Division of Valence Surface Technologies (Coastline) is a medium size metal finishing job shop for a wide variety of customers in the electronics, medical, aerospace, military, defense and optical industries. Operations includes alkaline cleaning, caustic etch, precious metals electroplating, nickel plating, anodizing, chemfilm, dyeing, passivation, pickling, and tin/tin-lead electroplating. Coastline has three close looped ion exchange systems for removal of nickel, tin-lead, chrome, precious metals and cyanide from the rinse streams. The discharge at Coastline consists primarily of selected running rinses that are discharged to equalization tanks and then to the sewer without any pretreatment.

July 1 – December 31, 2021

During a routine inspection, OC San observed multiple rinses running without processing parts through those rinses. OC San conducted a compliance inspection on October 13, 2021, where Coastline was notified that this practice is considered dilution and is prohibited by OC San's Ordinance. Additionally, OC San also observed the outdoor sump that collects the rinse water has a large opening that allows stormwater intrusion into the sewer system. On October 25, 2021, OC San issued a compliance requirement letter, requiring Coastline to immediately cease the practice of running rinses without parts being processed and to provide a proposal to implement effective flow control through the rinse tanks to minimize water usage by November 30, 2021. The letter also required Coastline to provide a proposal to mitigate stormwater intrusion to the sewer system by November 30, 2021. On November 30, 2021, Coastline provided a proposal to install conductivity meters on the rinse tanks and to install an awning over the outdoor sump. OC San has requested additional information and details regarding the conductivity meters. Coastline had a monthly cyanide violation in December 2021, for which an NOV will be issued in the next reporting period.

OC San will continue enforcement during the next reporting period and continue to monitor Coastline's discharge and compliance status on a quarterly basis.

Corru-Kraft Fullerton (Permit No. 1-601450)

Corru-Kraft Fullerton (Corru-Kraft) manufactures corrugated sheets by combining paper using starch-based adhesive, steam, and hydraulic pressure. The starch adhesive is prepared onsite and pumped to the processing equipment. Wastewater is generated from the washing of the starch mixing tank, boiler blow-downs and several corrugating equipment lines following production. Wastewater passes through a four-stage underground clarifier prior to discharge to the sewer.

In July 2018, March 2019, April 2020 and February 2021, Corru-Kraft had several pH violations. In April 2021, OC San conducted a compliance inspection, during which Corru-Kraft attributed the source of the violations to the fermentation of the stagnant wastewater in their clarifier. OC San identified that pH treatment may be required to ensure consistent compliance. In May 2021, OC San issued a compliance requirement letter requiring Corru-Kraft to submit a proposal for a pH adjustment system by June 30, 2021.

July 1 – December 31, 2021

Due to several pH violations that occurred, OC San determined that Corru-Kraft's discharge has a reasonable potential to violate OC San's limits and converted Corru-Kraft's Class 2 permit to a Class 1 permit on August 1, 2021. Corru-Kraft submitted their final proposal to install an automatic pH adjustment system on July 13, 2021, which included a pH data logger, audible and visual alarms and an automatic shut off valve. OC San accepted the proposal on July 20, 2021. Corru-Kraft completed the installation of the pH adjustment system on October 13, 2021. OC San conducted a compliance inspection on October 21, 2021, to verify the installation of the pH adjustment system. Corru-Kraft had no violations during this reporting period. OC San will continue to monitor Corru-Kraft's discharge and compliance status on a quarterly basis.

Crest Coating, Inc. (Permit No. 1-021289)

Crest Coating, Inc. (Crest Coating) performs powdercoating and specialty finish application to aluminum and steel parts supplied by outside customers. Operations include paint stripping, alkaline cleaning, phosphate conversion coating, zirconium conversion coating, and zinc phosphate coating. Wastewater is generated from rinses and some spent process chemicals used for cleaning and coating operations. Crest

Coating employs a continuous pretreatment system comprised of conventional hydroxide metals precipitation and clarification. Precipitated solids are removed and processed through a filter press. Filter cake is wastehauled.

July 1 – December 31, 2021

On August 3, 2021, OC San issued an NOV for Crest Coating's monthly average nickel exceedance in May 2021. On August 18, 2021, OC San conducted a compliance inspection, at which time Crest Coating was unable to identify the source of the violation. Following the inspection, OC San requested Crest Coating to further review the violation and submit a corrective action report which identified the source for the nickel violation and detailed the facility's efforts to implement a solution for long-term compliance with permitted discharge limits.

On September 2, 2021, Crest Coating submitted a corrective action report. Crest Coating was unable to identify the source as the facility cited operations and maintenance parameters were consistent with historical records; however, in an effort to ensure long-term compliance, Crest Coating reported the facility would implement annual training concerning operations and waste management.

Crest Coating had no additional violations during this reporting period. OC San will continue to monitor Crest Coating's compliance and discharge status on a quarterly basis.

Diamond Environmental Services, LP (Permit No. 1-600244)

Diamond Environmental Services, LP (Diamond) is a supplier of temporary fencing, portable toilets, portable sinks. Wastewater is generated from the washing and cleaning of portable toilets. The wastewater is routed to an underground clarifier before discharge to the sewer. Pretreatment currently consists of manual addition of pH adjustment chemical.

As a result of a pH violation and treatment system deficiency, OC San issued a compliance requirement letter in October 2020, requiring Diamond to install a 24-hour continuous pH data logger at the sample point, install an automatic pH adjustment system, and complete corrective actions to ensure long term compliance. After the issuance of an additional compliance requirement letter with new requirement due dates, Diamond completed the installation of the 24-hour continuous pH data logger in June 2021. Diamond requested a two-week extension to submit their proposal for the pH adjustment system to evaluate the operational data based on the recently installed data logger, which OC San granted.

July 1 – December 31, 2021

On July 7, 2021, Diamond submitted their proposal for an automatic pH adjustment system with an automatic shutoff valve with audible and visual alarms. OC San accepted Diamond's proposal on July 12, 2021 and required Diamond to complete the implementation of the proposal by August 31, 2021. On September 2, 2021, Diamond completed the installation of the pH adjustment system. OC San conducted a compliance inspection on September 27, 2021, to verify the installation of the pH adjustment system.

Diamond had no violations during this reporting period. OC San will continue to monitor Diamond's discharge and compliance status on a quarterly basis.

Dr. Smoothie Enterprises – DBA Bevolution Group (Permit No. 1-600131)

Dr. Smoothie Enterprises – DBA Bevolution Group (Dr. Smoothie) processes, packages, and distributes fruit beverage concentrates. The operations performed include mixing of concentrates manufactured offsite, packaging, and distribution.

As a result of Dr. Smoothie's pH noncompliance in 2018, 2019, and 2020, OC San issued a compliance requirement letter, requiring the installation of an automated pH adjustment system. After the pH adjustment system was installed, Dr. Smoothie continued to have pH violations in October and November 2020, and March and April, 2021.

In May 2021, OC San issued a compliance requirement letter, requiring Dr. Smoothie to provide a proposal to address the inadequacy of their pH system, install audible and visual alarm system as well as an

automatic shut-off valve. Dr. Smoothie submitted their proposal to install a batch treatment process for pH adjustment prior to discharging to the sewer in addition to the audible/visual alarms and automatic shut off valves, which OC San accepted.

July 1 – December 31, 2021

Dr. Smoothie had a deadline to complete the installation of the system by July 31, 2021. However, Dr. Smoothie requested an extension due to a delay in receiving the equipment needed. OC San extended the completion deadline to September 15, 2021. Dr. Smoothie completed the system installation by October 25, 2021, due to further delays in receiving equipment. OC San conducted a compliance inspection on November 8, 2021, to verify system installation of the new pH adjustment system and operations. Dr. Smoothie had no violations during this reporting period.

OC San will continue to monitor Dr. Smoothie's discharge and compliance status on a quarterly basis.

Ducommun Aerostructures (Permit No. 1-021105)

Ducommun Aerostructures (Ducommun) uses fabrication, machining, and a wet chemical milling process to produce components for the aeronautical industry. In addition to the component manufacturing capabilities, Ducommun operates as a job shop supplying chemical milling services on customer supplied parts. Used on flat sheet, formed, cast, or forged aluminum components, the process can chemically mill selected areas to produce features, size parts, or reduce weight while maintaining the parts structural strength. The wet process is routinely used to remove material to close tolerances from fuselage and wing skins, and other complex contoured parts. Wastewater is generated by the aqueous fume scrubbing, the steam regeneration of the carbon solvent-recovery system, the spent acid deoxidation and soap cleaning solutions, and the associated rinse wastestreams.

The wastewater treatment system at Ducommun consists of a continuous treatment system (pH adjustment tank, equalization tank, 5-stage clarifier, and filter press) and a batch treatment system (holding tank, diatomaceous earth filter, reaction tank, and filter press). Rinses are collected in trenches and flow to a pH neutralization tank where the pH is adjusted with spent deoxidizing solution or sulfuric acid. The water is then pumped to a rectangular equalization tank where calcium polysulfide is added as a stabilizing flocculant. After wastewater is treated, it then gravity flows to a 5-stage rectangular clarifier, pH adjusted, and then discharged to the sewer.

During an inspection in May, 2021, OC San noted open tanks and other surfaces that allow for the collection and discharge of stormwater to the sewer. OC San stated that the discharge of stormwater to the sewer is in violation of OC San's Ordinance and subsequently issued a compliance requirement letter in June 2021, requiring Ducommun to submit a proposal to cease the discharge of stormwater to the sewer. Ducommun submitted a proposal to address the issue of discharging stormwater to the sewer.

July 1 – December 31, 2021

On July 12, 2021, OC San issued a letter accepting Ducommun's proposal to prevent the discharge of stormwater to the sewer and completed implementation by August 30, 2021.

Ducommun had further violations during this reporting period. OC San will continue to monitor Ducommun's discharge and compliance status on a quarterly basis.

Dunham Metal Plating Inc. (Permit No. 1-601023)

Dunham Metal Plating Inc. (Dunham) is a medium size job shop providing finishing services for commercial, consumer, electronics, industrial, and medical applications. The assortment of parts includes fabricated electronic chassis and assorted hardware components. Wet operations are conducted using a manual hoist, with parts connected to the bus-bar using hooks, racks, or wires. The processing of a typical steel part proceeds by alkaline cleaning, electrocleaning, and acid activation. A caustic dip protects the alkaline zinc plating tank from acid drag-in. The processing of the typical aluminum part proceeds by alkaline cleaning, alkaline etch, acid deoxidation, followed by the anodize or chem film processes. The anodize operation is occasionally followed by one of the many color dye options. The effluent discharge at Dunham

is generated by the various spent process solutions and the associated rinses. Pretreatment consists of hexavalent chrome reduction, hydroxide precipitation, coagulant addition, and polymer/flocculation for metals precipitation, and clarification. Solids from the clarifier are processed in a sludge thickening tank and filter press, with filtrate returning to the beginning of the pretreatment system.

July 1 – December 31, 2021

On October 20, 2021, Dunham had a zinc violation, for which an NOV was issued on November 2, 2021. On November 5 and 23, 2021, Dunham had additional zinc violations, for which NOVs were issued on December 7, 2021. OC San conducted a compliance inspection on November 18, 2021, to investigate the cause of the zinc violations. During the investigation, Dunham stated that the source may have been caused by carryover from process tanks to the rinse tanks, the lack of flow restrictors to control the flow rate to the treatment system, and possible issues with inadequate retention time in the treatment system. The October 2021 and November 2021 zinc violations also resulted in monthly limit exceedances, for which NOVs will be issued in the next reporting period. OC San will follow up with additional enforcement during the next reporting period.

OC San will continue to monitor Dunham's discharge and compliance status on a quarterly basis.

Eco Pure LLC (Permit No. 1-601406)

Eco Pure LLC employs chemical hydrolysis of animal tissue using potassium hydroxide (95% water and 5% sodium hydroxide) and CO2. The cycle starts with adding potassium hydroxide to the tank and heating the tank to 205 F using steam. After the process is complete in 22-23 hours, the PET-550 System injects CO2 to adjust the pH and the system is programmed to lower the temperature to 110 F. The wastewater is then pumped through a 600-Micron filter and into the sewer. The final discharge temperature is measured by a sensor located at the discharge of the pump. Samples can be collected through a sample port located on the discharge pipe. Before initiating the discharge, a sample will be collected to check the pH. If the pH is high, additional CO2 is injected. The tank is equipped with two mixers and can process up to 4000 lbs of animal tissue, but normally runs at 3000 lbs. This equates to 600 gallons of wastewater.

July 1 – December 31, 2021

A pH violation was detected during an OC San monitoring event on December 16, 2021, for which an NOV will be issued in the next reporting period.

OC San will continue enforcement during the next reporting period and continue to monitor Eco Pure LLC's discharge and compliance status on a quarterly basis.

EFT Fast Quality Service, Inc. (Permit No. 1-011064)

EFT Fast Quality Service, Inc (EFT) is a specialty circuit board finishing shop that applies OSP (organic solderability preservative) and performs ENIG, sulfamate nickel, immersion gold, soft and hard gold plating on printed circuit boards. This is accomplished with both acid and alkaline cleaners and microetches commonly associated with circuit board production facilities. EFT has several usually empty lines in which they often do R&D processes for their customers.

July 1 – December 31, 2021

On November 3, 2021, EFT had a daily average nickel violation, for which an NOV was issued on November 30, 2021. On December 16, 2021, OC San conducted a compliance inspection at EFT and the company stated that that one potential cause was an operator error. EFT has standard operating procedures (SOPs) to treat the electroless nickel wastewater using sodium hydroxide precipitation followed by metal grabber and coagulant addition. The company also has an atomic absorption spectrophotometer (AA) onsite to analyze nickel and copper concentration. However, it is typically used only when a colorimeter kit indicates high level of metals. An NOV will be issued in the next reporting period for the nickel monthly limit violation in November 2021.

Electrode Technologies, Inc. dba Reid Metal Finishing (Permit No. 1-511376)

Electrode Technologies, Inc. dba Reid Metal Finishing (Reid), formerly listed as Reid Metal Finishing, is a metal finisher providing chromic anodizing, passivation, hard anodizing, sulfuric anodizing, chem film, and plating services of stainless steel, aluminum, copper, brass, bronze, and zinc die castings. Reid processes products for the aerospace, military, medical, and commercial industries. Wastewater is generated from the rinses used in the various surface finish processes and air scrubber wash water. Reid's pretreatment system consists of chrome reduction, cyanide destruction, hydroxide precipitation and sludge filtration.

As a result of multiple cadmium violations in 2019 and 2020, Reid proposed and OC San accepted the installation of multiple cadmium plate-out systems to reduce cadmium concentration in select rinses prior to comingling with other waste streams. As a result of additional cadmium violations in January 2021, OC issued a compliance requirement letter to and held a compliance meeting with Reid. Although Reid identified possible causes for the continued cadmium noncompliance and instituted multiple changes including installation of an additional and larger volume cadmium plate-out, installation of cameras above the cadmium process tanks in order to better monitor employees during plating operations, scheduling formal training for their operators, and proposing additional modifications such as segregating cadmium tanks and relocating a spin-dryer, OC San requested a proposal for an advanced treatment system to ensure long-term compliance.

In May 2021, OC San received a letter from Reid, in which Reid stated that the cadmium spin-dryer and associated cadmium rinse tanks were located a substantial distance from each other, resulting in cadmium-bearing dragout rinses being collected in areas not designed for cadmium treatment. Reid also noted several modifications and proposals in the letter including the relocation of the cyanide destruct system, an increase in capacity in the first stage of the cyanide destruct system, and proposals for various tank/system relocations and additional recycling processes. In May and June 2021, Reid had additional cadmium monthly average discharge limit violations.

July 1 – December 31, 2021

On July 16, 2021, OC San issued Reid a compliance requirement letter to summarize the compliance meeting held in the previous reporting period. OC San instructed Reid to submit a proposal to achieve long-term compliance with the cadmium discharge limits by August 16, 2021. On August 3, 2021, OC San issued an NOV for the May 2021 monthly average discharge limit exceedance for cadmium. On August 16, 2021, OC San received Reid's proposal to modify and update the facilities pretreatment system to ensure compliance with respect to cadmium discharges. Upon review, it appeared the proposal did not adequately address some issues and required additional modification. On September 2, 2021, OC San issued an NOV for the June 2021 monthly average discharge limit exceedance for cadmium. In August 2021, Reid again exceeded the monthly average discharge limit for cadmium, for which an NOV was issued on November 2, 2021. On September 17, 2021, Reid had a cadmium violation, for which an NOV was issued on October 14, 2021. This violation resulted in a monthly average discharge limit exceedance for the month of September 2021, for which an NOV was issued on December 2, 2021. On November 3, 2021, Reid had a chromium and copper violation, for which an NOV will be issued in the next reporting period. On November 24, 2021, OC San provided comments via email to the proposal submitted by Reid, requesting additional information and clarifications. On December 14, 2021, OC San received an email from Reid responding to the comments generated by OC San regarding the pretreatment system proposal, however a modified pretreatment proposal was not included.

OC San will continue enforcement during the next reporting period and will continue to monitor Reid's discharge and compliance status on a quarterly basis.

Electrolurgy, Inc. (Permit No. 1-071162)

Electrolurgy, Inc. (Electrolurgy) is a large job shop specializing in metal finishing services for aerospace, electronics, industrial, medical, and military/defense applications. The wet processing of a typical aluminum part begins with alkaline cleaning/etching followed by deoxidation and anodizing, or by activation (zincate, copper strike, or nickel strike) and the specified surface finish (electroless nickel, cadmium, or tin plate). The processing of a typical steel part proceeds by alkaline cleaning, hydrochloric activation/descale followed by the specified surface finish (bright nickel, cadmium, copper, electroless nickel). Stainless steel parts generally receive alkaline cleaning followed by passivation or electropolishing. The processing of a

typical copper part begins with alkaline and ultrasonic cleaning followed by sulfuric activation, copper strike, and nickel plate. All wet operations are conducted manually using basket, barrel, rack, or wire process techniques. Wastewater is generated from the various spent process solutions and associated rinses.

July 1 – December 31, 2021

On September 9, 2021, Electrolurgy had a daily average cadmium violation, for which an NOV was issued on September 30, 2021. In September 2021, Electrolurgy had monthly cadmium and zinc violation, for which an NOV will be issued in the next reporting period. On October 12, 2021, Electrolurgy submitted their corrective action report which did not adequately address the source of cadmium violation on site. On October 19, 2021, Electrolurgy submitted an updated corrective action report citing the source of cadmium violation to a potential Atomic Absorption (AA) machine calibration issue. Electrolurgy addressed the issue by reservicing their AA machine in addition to cleaning the concentration holding tank which is the main pretreatment tank on site.

OC San will continue to monitor Electrolurgy's discharge and compliance status on a quarterly basis.

Embee Processing (Anodize) (Permit No. 1-600456)

Embee (Anodize) specializes in anodizing, chromating, cadmium plating, and passivation for aerospace, commercial, industrial, medical, military/defense, and transportation applications. Embee performs various operations on the parts, including general machining, grinding, honing, sand or glass-bead blasting, and surface masking prior to proceeding to the wet processes. The surface finishing generally proceeds by alkaline degreasing or acid deoxidizing, rinsing, finishing (Alodine, Boeing Seal, chromic anodize, color dye, dichromate seal, hard anodize, nickel seal, passivate, sodium dichromate, or sulfuric anodize), rinsing, mask removal, and drying. All wet finishing operations, including barrel, basket, hoist, rack, and wire process techniques, are manually controlled.

Embee (Anodize) receives wastestreams generated from the wet operations in Buildings 2148 (Anodizing/Hard Anodizing/Passivation/IVD), 2139 (Cadmium Plating), 2150 (Magnaflux). These wastestreams are generated by acid/alkaline cleaning, black chromating, cad coating, cadmium plating, cadmium stripping, chromic dip, copper stripping, electrocleaning, Iridite, nickel strike, nital hydrochloric etch, Nital hydroxide etch, rustproof dip, silver plating, silver strike, silver stripping, sour acid dip, titanium cadmium plating, Unichrome 95 A, and zinc phosphating. Also discharged through Embee (Anodize)'s sampling point are batch-treated wastes generated from the chrome, zinc and nickel-plating operations in Building 2144, as well as RO rejects from two RO systems serving Embee's anodizing and cadmium plating operations.

July 1 – December 31, 2021

On December 1, 2021, Embee (Anodize) had a daily average cyanide violation, for which an NOV was issued on December 21, 2021. An NOV will be issued in the next reporting period for the cyanide monthly limit violation in December 2021.

OC San will continue enforcement during the next reporting period and continue to monitor Embee (Anodize)'s discharge and compliance status on a quarterly basis.

Gemini Industries, Inc. (Permit No. 1-071172)

Gemini Industries, Inc. (Gemini) provides precious metals recovery and refining services for the petrochemical and petroleum refining industries. The facility is a large wet processing operation that specializes in the recovery of platinum, palladium, rhenium, germanium, and gold from spent chemical catalysts. Gemini's wet processes yield purified precious metals, refinable metal residue, and aluminum sulfate solution, sold as alum for municipal water and wastewater treatment.

The recovery of precious metals at Gemini begins with spent catalyst from various customers which arrive in 55-gallon steel drums or flow bins. The catalyst is fed to a sampling system to determine specific constituent concentrations as well as the potential precious metals yield. Processing the spent catalyst begins with sulfuric acid digestion, generating a hot slurry which is pumped to mixing and settling tanks.

The liquid decant is filtered through various filtration devices while the solids are wasted, dewatered, and dried. Pure palladium or other precious metals are recovered from the solids while the liquid undergoes further precious metals recovery. Spent rhenium catalyst processing follows a similar procedure aimed at the recovery of rhenium as ammonium perrhenate salts. The effluent discharge at Gemini is generated by decant liquids from the final metal precipitation and recovery process.

July 1 – December 31, 2021

On July 8, 2021, Gemini had a pH Violation, for which an NOV was issued on July 20, 2021. It was determined that the pH monitoring system located in the final equalization tank had failed due to a solenoid valve blocked by solids, causing the adjustment system to overdose an acidic solution. Gemini performed maintenance on the solenoid and pH adjustment system.

Gemini closed their business and ceased wastewater discharge to OC San's sewer in December 2021.

GKN Aerospace Transparency Systems (Permit No. 1-531401)

GKN Aerospace Transparency Systems (GKN) manufactures glass and acrylic transparencies for the military and general aviation and automotive industries. Canopies, windows, windshields, and specialty lenses are manufactured from acrylic and glass base materials formulated and prepared on-site. Acrylic sheets are produced from a methyl methacrylate polymer and allowed to cure between gasketed sheets of glass. The finished sheets are ground down and polished/shaped in large circular chambers with water and abrasive powder to final customer specifications. Some transparencies are layered with various abrasive resistant and/or optical coatings.

As a result of tampering with OC San sampling equipment and discharging stormwater to the sewer, OC San issued a compliance requirement letter, requiring GKN to mitigate the stormwater issue and take appropriate action to prevent the tampering of OC San equipment. After OC San accepted the proposal from GKN, the facility completed the implementation of its corrective actions in June 2021.

July 1 – December 31, 2021

OC San conducted a compliance inspection on July 14, 2021. During the inspection, OC San observed that there were several drains that were not covered and identified additional potential stormwater intrusion entry points. OC San requested that GKN identify all sources that discharge into these entry points and to provide an updated process flow map. GKN informed OC San that they completed covering the drains by October 1, 2021, and provided the updated map on October 29, 2021.

OC San will continue enforcement during the next reporting period to evaluate the completion of GKN's installation. OC San will continue to monitor GKN's discharge and compliance status on a quarterly basis.

Goodwin Company (Permit No 1-031043)

Goodwin Company (Goodwin) manufactures household cleaning and surface treatment products which are formulated from raw chemical feedstocks and soft water. Floor and equipment wash-downs represent most of the industrial wastewater generated, along with a small amount of soft water system reject. Floor run-off from production room and outdoor tank farm area is collected and then pumped over to an equalization tank equipped with a pH monitoring and adjustment system and runs through a series of bag filters before discharging to the sewer.

July 1 – December 31, 2021

OC San conducted a compliance inspection on July 14, 2021, to verify Goodwin's implementation of their stormwater proposal. Valve position logs were kept as proposed and the installation of the stormwater filtration system was completed.

Goodwin had no violations during this reporting period. OC San will continue to monitor Goodwin's discharge and compliance status on a quarterly basis.

Hartwell Corporation (Permit No. 1-021381)

Hartwell Corporation (Hartwell) is a manufacturer of quick release latches, struts, and pins designed for use in the aerospace and aviation industry. Parts are primarily intended for use in airplane and helicopter applications. Hartwell fabricates parts consisting of steel (cold-rolled and castings), aluminum (sheets and castings), stainless steel, titanium, brass, and copper. Dye penetrant inspection is no longer conducted onsite, inspections are now done via dry x-ray operations. Any metal finishing is outsourced to a third party. The building at 900 S. Richfield uses CNC lathes, mills, punch presses, laser saws, brakes, and other machines in daily operations. All machines use coolant, oil, water or a mixture and are closed loop without bleed to the sewer. The only wastewater generating operations located at this facility are from water tumbling and deburring operations.

July 1 – December 31, 2021

On July 22, 2021, Hartwell had daily average and maximum oil and grease violations, for which an NOV was issued on August 9, 2021. On October 19, 2021, OC San conducted a compliance inspection at Hartwell to investigate the cause of the O&G violation.

On October 27, 2021, OC San issued a compliance requirement letter, requiring Hartwell to submit a corrective action report. Hartwell attributed the O&G violation to the dumping of a bucket of mop water in the deburring area. During the inspection, OC San recommended voluntary sampling to remove the company from SNC status but Hartwell failed to follow the recommendation.

After reviewing waste manifest records for the maintenance of the underground clarifier, OC San recommended increasing the frequency of the clarifier maintenance and maintaining waste manifest records onsite for OC San's review. On December 7, 2021, Hartwell submitted a corrective action report in which the company reported that signs prohibiting the dumping of mop water into the drain have been posted and a designated mop tote is in place.

OC San will continue enforcement during the next reporting period and continue to monitor Hartwell's discharge and compliance status on a quarterly basis.

Hightower Plating & Manufacturing Co. (Permit No. 1-021185)

Hightower Plating & Manufacturing Co. (Hightower) manufactures aerospace-quality washers by stamping steel, stainless steel, and aluminum coils. The parts are deburred and then processed through a variety of metal finishing steps depending on the material, to achieve the desired finish. Hightower's metal finishing operations include alkaline cleaning, acid activation, chromic and sulfuric anodizing, cadmium plating, acid zinc plating, nickel plating, caustic etching, deoxidation, chem film, dichromate sealing, and passivation.

Low concentration waste streams are being treated using two ion exchange systems - one for cyanide bearing waste streams and one for non-cyanide bearing waste streams. The treated water is returned to the process tanks for reuse. The regenerant wastes from both ion exchange systems are processed through an evaporator. Concentrated wastes (including but not limited to chromic acid from the anodizing tanks) are wastehauled off-site. A small number of waste streams from the sulfuric anodize and chem film lines are sent to a chromium collection tank and then treated using the chromium reduction system.

July 1 – December 31, 2021

On December 17, 2021, Hightower had daily and monthly cadmium violations, for which NOVs will be issued in the next reporting period.

OC San will continue enforcement during the next reporting period. OC San will continue to monitor Hightower's discharge and compliance status on a quarterly basis.

House Foods America Corporation (East) (Permit No. 1-600906)

House Foods America Corporation (East) (House Foods East) is the second discharge point that shares the same tofu manufacturing operations as House Foods America Corporation (West) (Permit No. 1-031072). This permit was issued to accommodate additional production lines that discharges to a separate clarifier. Equipment and floor wash-down water and the soybean soak and cooking water from the

expansion are the main sources of wastewater discharged. Pretreatment is limited to pH adjustment utilizing sodium hydroxide in the third stage of an underground clarifier.

July 1 – December 31, 2021

House Food East had a pH violation on August 16, 2021, for which an NOV was issued on August 31, 2021. House Food East submitted a root cause analysis report on September 12, 2021 that attributed the pH violation to a failure in the pH probe that was damaged by construction activities in the area. The pH probe was giving inaccurate readings which led House Food East to believe that their discharge was within the compliant pH limits. OC San conducted a compliance inspection on September 29, 2021, to review the cause of the pH violation. During the inspection, OC San noted that there were significant solids on the ground that ultimately discharges to the clarifier. OC San also reviewed the pH adjustment system where sodium hydroxide is continuously dosed from during production hours regardless of pH in the clarifier. Additionally, the pH adjustment system and clarifier are located outdoors, away from the main production area. There was no notification process that alerts operators when there is noncompliant discharge. OC San also observed that House Foods East was discharging single pass non-contact cooling water into the sewer system, which is a violation of OC San's Ordinance. OC San issued a compliance requirement letter on October 7, 2021, requiring House Food East to remove the single pass cooling water dischargers to the sewer and to provide a proposal for the alternate disposal of this wastewater. The letter also required House Food East to provide a proposal to modify the existing pH adjustment system and to include the installation of audible and visual alarm systems. On October 26, 2021, House Food East provided a proposal to reroute the discharge of the non-contact cooling water to be used for cleaning at their forming process, implement automatic pH adjustments, and install audible and visual alarms in the production office. OC San accepted the proposal on November 4, 2021. House Food East completed the implementation of the proposal by December 30, 2021.

OC San will continue enforcement actions and monitor House Foods East's discharge and compliance status during the next reporting period.

House Foods America Corporation (West) (Permit No. 1-031072)

House Foods America Corporation (West) (House Foods West) manufactures tofu food products from raw soybeans. The soybeans are transported to the facility on large tanker trucks and stored in silos, then transferred into large kettles or vats and mixed with water and some lime for cleaning and soaking. The mixture is then pressure cooked and ground up into slurry to extract the soy milk. Calcium sulfate is added as a coagulant to form tofu "bricks" in conveyorized formation machines where coloration and flavoring are also added. The bricks come off the lines and are then inspected, then packaged for shipment to customers. Equipment and floor wash-down water and the soybean soak and cooking water are the main sources of wastewater discharged. Wastewater from five boiler units, plus a water softening system for the boiler feed water also contribute to the company's effluent discharge. Pretreatment is limited to pH adjustment utilizing sodium hydroxide in the first stage of an underground clarifier.

July 1 – December 31, 2021

OC San conducted a compliance inspection on September 29, 2021, to review the facility's operation. During the inspection, OC San observed that House Foods West was discharging single pass non-contact cooling water into sewer system, which is a violation of OC San's Ordinance. OC San issued a compliance requirement letter issued on October 7, 2021, to require House Food West to remove the single pass non-contact cooling water discharge to the sewer and provide a proposal for the alternate disposal of that waste stream by November 15, 2021. House Foods West provided a proposal on October 26, 2021, to reroute the discharge of the non-contact cooling water to be used for cleaning at their forming process, which OC San accepted on November 4, 2021. House Foods West completed the implementation of the proposal by December 30, 2021.

OC San will continue enforcement actions and monitor House Foods West's discharge and compliance status during the next reporting period.

Howmet Global Fastening Systems Inc. (Permit No. 1-021081)

Howmet Global Fastening Systems Inc. (Howmet) manufactures aluminum, titanium, and steel fasteners. Wastewater-generating processes include cadmium, copper, silver, nickel and zinc plating, potassium permanganate treatment, cyanide stripping, glycol lubricant coating, acid stripping, chromate conversion coating, deburring, quenching, miscellaneous cleaning (mop water), acid/alkaline cleaning, and air scrubbing. Howmet's continuous pretreatment system consists of pH adjustment, cyanide destruction, chromium reduction, clarification, and sludge dewatering using a filter press. Separate, dedicated oil/water separation system is used as pretreatment for their oily water and mop water waste.

In May 2021, OC San conduced a compliance inspection where OC San noted potential stormwater intrusion through the open-top outdoor tanks used in Howmet's pretreatment system and subsequent discharge to the sewer. OC San issued a compliance requirement letter in June 2021, requiring Howmet to submit a proposal to prevent stormwater and runoff from entering the sewer by July 15, 2021, and to implement the accepted proposal by August 31, 2021.

July 1 – December 31, 2021

On July 15, 2021, Howmet proposed to install a canopy over their entire wastewater treatment system. However, Howmet did not provide any drawings or details of the canopy installation. After multiple discussions, Howmet submitted their final canopy design on November 22, 2021, which OC San accepted on November 23, 2021. Howmet is required to complete the implementation of the proposal by January 31, 2022. On August 18, 2021, Howmet had a pH violation, for which an NOV was issued on September 16, 2021. Howmet attributed the cause of the violation to an increased frequency of floor cleanings during the sampling period that caused a drop in the pH in their oily water waste tank. OC San conducted a compliance inspection on October 7, 2021, to review the pH violation. During the inspection, OC San observed that Howmet does not conduct pH monitoring at the oily water tank and at the final discharge tank. Howmet also informed OC San that they do not verify the pH prior to discharging their oily water tank. As part of their corrective action, Howmet has implemented temporary air mixing at their final discharge tank to ensure that the discharge is well mixed after combining with the oily water waste stream. On October 11, 2021, Howmet provided a proposal to install pH probes in their oily water waste tank and final discharge tank. Howmet has also proposed to check the pH of the oily water waste and final discharge prior to discharging. Howmet will only discharge if pH is within compliant limits, and will recirculate and retreat if pH is out of compliance. OC San accepted Howmet's proposal on November 4, 2021, and required Howmet to complete the implementation of the proposal by December 31, 2021. Howmet informed OC San that they have completed the implementation of the proposal on December 23, 2021.

OC San will continue enforcement in the next reporting period and continue to monitor Howmet's discharge and compliance status on a quarterly basis.

LGM Subsidiary Holdings LLC (Permit No. 1-601313)

LGM Subsidiary Holdings LLC (LGM) manufactures approximately 40 products in the prescription drug, over the counter (OTC) drug and dietary supplement categories in the form of tablets, capsules, and powders. Products are packaged in labeled high density polyethylene bottles as finished product or plastic lined cardboard bulk boxes for subsequent packaging by customer. Laboratory testing is performed to identify raw materials and verify potency and purity of products manufactured. Manufacturing processes include product mixing, encapsulation, compression, and packaging. Processes which generate wastewater are drum rinsing, blender/mixer washing, portable mill washing, air scrubbing, washing of manufacturing suite walls and floors, and laboratory materials testing. LGM does not have a pretreatment system and relies solely on best management practices in handling solvents used at the facility.

July 1 – December 31, 2021

On September 23, 2021, LGM had a daily limit acetone violation, for which an NOV was issued on October 28, 2021. On November 15, 2021, LGM provided a corrective action report which focused on three areas: (1) Raw materials purchased and pharma products produced by LGM; (2) Maintenance chemicals used throughout the facility, and (3) Laboratory chemicals used on site. LGM identified that the facility utilizes variable quantities of Isopropyl Alcohol (IPA) as an inactive ingredient, typically during granulation process. IPA can volatilize during this granulation process and further captured by the on-site water scrubber's

countercurrent recirculating water. The facility indicated that a small portion of this recirculation water is discharged to the sewer system continuously and may have resulted in the acetone non-compliance via IPA to acetone conversion. As a corrective measure, LGM indicated that the facility will research potential acetone treatment technologies if further non-compliance arises with acetone.

LGM had no further violations during this reporting period. OC San will continue to monitor LGM's discharge and compliance status on a quarterly basis.

Linco Industries, Inc. (Permit No. 1-021253)

Linco Industries, Inc. (Linco) is a small metal parts stripping and cleaning facility. Various parts, including automobile wheels and other accessories, are brought in by customers for stripping of paint and other organic coatings in cold and hot strip baths, followed by immersion or manual spray rinsing. Depending on the condition of parts received, Linco may use sulfuric acid or muriatic acid to remove oxides prior to cold or hot strip operations.

The cold strip tanks contain ethanolamine-based chemistry, while the hot strip tank is a Kolene salt bath composed of sodium hydroxide and sodium nitrate chemistry and heated to approximately 550 degrees Fahrenheit.

Wastewater is generated from rinse water used in stripping operations. Linco employs a pretreatment system comprised of conventional hydroxide metals precipitation, clarification, and oil/water separation. Precipitated solids are removed and processed through one of two available filter presses. Filter cake is waste-hauled.

July 1 – December 31, 2021

On September 21, 2021, Linco had a daily limit cyanide violation, for which an NOV was issued on October 14, 2021. On October 28, 2021, OC San conducted a compliance inspection and completed a resample for cyanide. At the time of inspection, Linco attributed the cyanide violation to the unknown composition of parts received and processed; however, a corrective action was not determined. Following the compliance inspection, OC San started a composite sample event. During the sample event, Linco had instantaneous violations for pH and zinc, daily limit violations for cadmium, lead and zinc, and mass limit violations for cadmium, lead, and zinc. On November 4, 2021, OC San issued a compliance requirement letter that directed Linco to further review the cyanide violation, institute corrective actions, and submit a related summary report. On November 23, 2021, OC San issued an NOV for the violations that occurred on October 28, 2021. On December 2, 2021, OC San issued an NOV for September's monthly average cyanide violation. On December 14, 2021, OC San conducted a compliance inspection in response to pH, cadmium, lead, and zinc violations that occurred on October 28, 2021. At the time of inspection, Linco was unable to identify the source and a corrective action was not determined. On December 15, 2021, Linco requested and was granted an extension to submit the corrective action report by February 1, 2022.

OC San will continue enforcement during the next reporting period and continue to monitor Linco's discharge and compliance status on a quarterly basis.

LM Chrome Corporation (Permit No. 1-511361)

LM Chrome Corporation (LM Chrome) is an automotive wheel plating facility. Wastewater-generating operations include alkaline cleaning, zincate stripping, zincating, acid activation, copper plating, electrocleaning, anti-tarnish, nickel plating, and chrome plating, and associated rinses. LM Chrome utilizes both batch and continuous pretreatment systems (PTS). The continuous PTS consists of cyanide destruction (stage 1 and 2), chromium reduction, neutralization, flocculation/settling, sludge holding, filter pressing, and final clarification. The batch treatment tank is used for manually treating spent cleaners.

In January 2020, LM Chrome had a lead violation, which also resulted in a lead monthly average discharge limit violation. In March 2020, LM Chrome submitted a response to the Notice of Violation issued for the aforementioned exceedances, stating the source of the lead violation was most likely the residual lead on a wheel received for plating and that lead concentrations would be closely monitored. In response to OC San's permit renewal inspection and issuance of a compliance requirement letter to address stormwater

mitigation issues as well as structural problems with the lamella clarifier, LM Chrome submitted a proposal to install a roof over the pretreatment system to prevent the collection and discharge of stormwater to the sewer, and to repair the lamella clarifier.

July 1 – December 31, 2021

An NOV was issued on December 12, 2021, for the September 2021 cyanide monthly average discharge limit violation. LM Chrome again noted that the pH and ORP probes and controlling devices in the cyanide destruction system had not been calibrated in a timely matter. LM Chrome chose to increase pH and ORP probe calibration frequency to ensure the cyanide treatment system is operating at optimum efficacy.

LM Chrome had no further violations during this reporting period. OC San will continue to monitor LM Chrome's discharge and compliance status on a quarterly basis.

Logi Graphics, Inc. (Permit No. 1-031049)

Logi Graphics, Inc. (Logi) produces circuit boards to customer specifications and specializes in prototype and small volume orders. The manufacturing typically begins with cutting the copper clad materials, drilling, photoresist application, inner-layer circuit imaging, resist developing, sulfuric peroxide etching, and alkaline resist stripping. This is followed by brown oxide surface preparation and lamination. The holes are de-smeared with sulfuric acid and made conductive through electroless copper plating. Outer-layer circuit development is conducted by either panel plate or pattern plate processes. Panel plate proceeds with copper plating followed by photoresist application, circuit imaging, resist developing, tin/lead (resist) plating, sulfuric peroxide etching, and tin/lead stripping. Solder mask application and final surface finishing, such as hot air solder leveling and/or electrolytic nickel/gold plating, complete the wet processing.

In June 2019, Logi had a copper monthly average discharge limit violation. Logi was unable to identify a root cause for the violation and determined that it was not a recurring event as multiple samples in subsequent months showed copper concentrations below the monthly limit. In January 2020, Logi had another copper monthly limit violation. Logi has experienced a gradual slowdown in production and has been adjusting its pretreatment system to accommodate.

July 1 – December 31, 2021

On October 14, 2021, Logi had instantaneous and daily average copper limit violations, for which an NOV was issued on December 28, 2021.

OC San will continue enforcement during the next reporting period and continue to monitor Logi's discharge and compliance status on a quarterly basis.

McKenna Labs, Inc. (Permit No. 1-021422)

McKenna Labs, Inc. (McKenna) produces and packages various personal care products (lotions, gels creams, liquids, scrubs, serums, oils and pastes). These products are blended on site according to specified recipes and packaged for sale to end users. The blending and packaging equipment is washed & sanitized using sodium hypochlorite. Wastewater is routed through a grease interceptor prior to discharging to the sewer.

As a result of a zinc violation in January 2020, OC San conducted a compliance inspection, during which McKenna indicated that the cause was the packaging of sunblock which contained zinc oxide. McKenna has evaluated their waste management practices and made changes to minimize the discharge of zinc oxide to the sewer. After another zinc violation in January 2021, McKenna attributed the violation to improper cleaning procedure for their bottling equipment. Due to damage to the effluent flow meter and bypass of the sample point, OC San issued a compliance requirement letter, requiring McKenna to provide a proposal to measure the volume of wastewater discharged, a proposal for the location of a representative sample point for the interim and permanent system, and a formal proposal for the planned modifications to their system. McKenna submitted a proposal to install a new flowmeter, a grease interceptor, and a new sampling location downstream of the interceptor, which OC San accepted.

July 1 – December 31, 2021

McKenna informed OC San that the proposal will be implemented by August 16, 2021. OC San conducted a compliance inspection on August 25, 2021, and confirmed implementation of McKenna's proposal.

McKenna had no further violations during this report period. OC San will continue to monitor McKenna's discharge and compliance status on a quarterly basis.

Meggitt (Orange County), Inc. (Permit No. 1-601115)

Meggitt (Orange County), Inc. (Meggitt) produces sensing and monitoring systems that measure physical parameters in the extreme environments of aircraft, space vehicles, power generators, nuclear, oil and gas installations, and test laboratories. Processes used in manufacturing operations include, but are not limited to, machining, sawing, coating, sandblasting, welding, brazing, and metal finishing. Parts worked on are made of Inconel, stainless steel, and tungsten. Wastewater-generating processes include electro-polishing, passivation, etching, filament cleaning, ceramic dicing, ceramic dimensional polishing, ceramic tumbling, nickel bath plating, parts washing, and emergency only discharge of non-contact cooling water from the annealing furnace operations. Wastewater generated from the ceramic dimensional polishing operation, as well as the spent silver nitrate solution from the ceramic tumbling are wastehauled offsite. Rinses from these and the other wastewater generating operations discharge to a three-stage polypropylene aboveground tank, in which sodium hydroxide is added in the first and third compartments for pH adjustment, as most of the wastestreams are acidic in nature. pH-adjusted effluent is collected in a 750-gallon holding tank to facilitate batch discharge sampling.

July 1 – December 31, 2021

In October 2021, Meggitt had a monthly lead exceedance, for which an NOV will be issued in the next reporting period.

OC San will continue to monitor Meggitt's discharge and compliance status on a quarterly basis.

Orange County Chemical Supply (Permit No. 1-600766)

Orange County Chemical Supply (OCCS) manufactures soaps and detergents for industrial and commercial application.

Wastewater generated from equipment and drum washdown is collected in a centralized sump equipped with a pH probe. At operator discretion, wastewater discharges by diaphragm pump through a filter bag and to sewer.

July 1 – December 31, 2021

On November 4, 2021, OCCS had an oil & grease violation, for which an NOV was issued on November 30, 2021. OC San conducted a compliance inspection on December 14, 2021, to evaluate the operations at the facility and discuss the recent oil & grease violation. At the time of inspection, OCCS was unable to identify the source for the violation and a corrective action was not determined.

OC San will continue enforcement during the next reporting period and will continue to monitor OCCS' discharge and compliance status on a quarterly basis.

Pacific Western Container (Permit No. 1-511371)

Pacific Western Container (PWC) designs and manufactures printed corrugated containers and displays. PWC produces custom cardboard containers to customer specifications by printing, die cutting, & gluing raw corrugated board material. Pacific Western Container utilizes five printing/cutting/folding machines, which uses water-based inks to print pre-designed graphics to the cardboard. Wastewater is generated from printing press cleaning operations as well as miscellaneous shop cleanup & associated rinses.

In May 2021, PWC had a molybdenum violation. A review of the safety data sheets for the inks and other materials used at the facility did not provide a direct cause for the molybdenum violation. PWC will coordinate with their chemical supplier and determine if any product used in their process contains any molybdenum.

July 1 – December 31, 2021

On July 13, 2021, PC had another molybdenum violation, for which an NOV was issued on August 3, 2021. PWC contacted their chemical supplier and determined certain inks and ink bases for violet and magenta contained a molybdate solution. PWC removed these inks and bases from their manufacturing process.

PWC had no further violations during this reporting period. OC San will continue to monitor PWC's discharge and compliance status on a quarterly basis.

Performance Powder, Inc. (Permit No. 1-521805)

Performance Powder, Inc. (Performance Powder) precleans and powder coats aluminum and cold rolled steel parts brought in by outside customers, including very large and oversized parts such as metal cabinets and construction framework. Cleaning and surface treating process is performed in an automated conveyorized six-stage wash line which includes alkaline cleaning, iron phosphate surface conversion followed by city water rinse, DI water rinse and RO water rinse. Wastewater generated from rinsing stages of the wash line is pumped to a three-stage aboveground clarifier prior to discharge to the sewer.

In May 2021, Performance Powder had a daily and monthly limit zinc violation.

July 1 – December 31, 2021

On July 13, 2021, OC San issued an NOV for the daily limit zinc violation that occurred in the previous reporting period. On July 19, 2021, OC San conducted a compliance inspection. During the inspection, Performance Powder attributed the zinc violations to infrequent cleanout of the clarifier. On July 20, 2021, Performance Powder performed clarifier pump-out for offsite disposal. On July 23, 2021, Performance Powder submitted a corrective action report that detailed the facility's efforts to mitigate further zinc violations by implementing a routine preventative maintenance program that included improvement to general housekeeping practices and an increase in frequency of clarifier cleanout from an annual to monthly basis. On July 27, 2021, OC San completed a resample for zinc and the results showed compliance. On August 3, 2021, OC San issued an NOV for previous reporting period's monthly average zinc discharge limit violation and zinc mass limit violation.

Performance Powder had no further violations during this reporting period. OC San will continue to monitor Performance Powder's discharge and compliance status on a quarterly basis.

Pioneer Circuits, Inc. (Permit No. 1-011262)

Pioneer Circuits, Inc. (Pioneer) is a full service shop offering design, manufacturing, and assembly for aerospace, industrial, and military/defense applications. The manufacturing of a multilayer board generally proceeds by cutting the copper clad materials, photoresist application, inner-layer circuit imaging, resist developing, cupric chloride etching, and alkaline resist stripping. This is followed by surface prep (Cobra Bond), lamination, and drilling. The holes are cleaned by either permanganate or plasma etching, and made conductive through electroless copper plating. Outer-layer circuit development is conducted by pattern plate process steps including photoresist application, circuit imaging, resist developing, copper plating, tin/lead resist plating, ammonium etching, and solder stripping. Solder mask application and surface finishing such as hot air leveling or fuse-oil reflow complete Pioneers' wet process operations. The wastewater discharge at Pioneer is generated by aqueous fume scrubbing, boiler blowdown, R.O. reject, various spent process solutions, and the associated rinse wastestreams.

In March 2021, Pioneer exceeded the monthly average discharge limit for lead.

July 1 – December 31, 2021

On August 3, 2021, OC San issued an NOV for the lead monthly average discharge limit exceedance in March 2021. During that month, Pioneer added an additional etching machine without prior notification to OC San, therefore increasing the flow and concentration load to the pretreatment system. Pioneer adjusted their pretreatment system to account for the additional flow and concentration loading.

Pioneer had no further violations during this reporting period. OC San will continue to monitor Pioneer's discharge and compliance status on a quarterly basis.

Platinum Surface Coating, Inc. (Permit No. 1-521852)

Platinum Surface Coating, Inc. (Platinum Surface Coating) performs copper, nickel, and chrome electroplating of aluminum and steel automotive wheels provided by outside customers. Wastewater generated from rinse tanks is segregated by constituent composition for batch treatment. Cyanide and chrome-bearing rinses are treated separately prior to convergence with remaining wastewater for metals precipitation and pH management. Following precipitation, wastewater is pumped through a filter press to a holding tank then discharged through two carbon and sand filters then to the sewer. Filter cake and spent process tank solutions are waste-hauled.

In May 2021, Platinum Surface coating had a monthly average nickel violation.

July 1 – December 31, 2021

On August 3, 2021, OC San issued an NOV for the monthly average nickel violation in May 2021. On August 31, 2021, OC San conducted a compliance inspection to review the facility operations and discuss the recent monthly average nickel violation. During the inspection, Platinum Surface Coating was informed of the need to target treatment of permitted constituents to monthly average limits versus daily discharge limits to ensure long-term compliance. On September 20, 2021, Platinum Surface Coating submitted a corrective action report to OC San. The report detailed the facility's efforts to mitigate further violations by updating standard operating procedures, which include review of all concentrations against monthly average limits prior to discharge.

Platinum Surface Coating had no further violations during the reporting period. OC San will continue to monitor Performance Powder's discharge and compliance status on a quarterly basis.

Powdercoat Services, LLC (Bldg J / Plant 3) (Permit No. 1-600168)

Powdercoat Services, LLC (Powdercoat Services) performs surface prewash and conversion coating of aluminum and steel parts, prior to powder coat application per customer specifications. The facility utilizes a three-stage phosphate wash line that is automated with an overhead conveyor track. The process and rinse chambers are set up as recirculating spray. Powdercoat recycles the majority of wastewater generated and waste-hauls the spent phosphate wash solution, with occasional discharges rinse water from the final two stages. Once the tank is ready for discharge, Powdercoat performs manual pH neutralization prior to discharging the wastewater.

In June 2021, Powdercoat Services had a zinc daily and monthly violation.

July 1 – December 31, 2021

On July 6, 2021, OC San issued an NOV for Powdercoat Services daily zinc violation from the last reporting period. On July 28, 2021, OC San conducted a compliance inspection to review the facility operations and discuss the recent zinc violation. On August 6, 2021, Powdercoat Services submitted a corrective action report, attributing the zinc violation to the composition of parts processed during the respective sampling period. The report also detailed the facility's efforts to mitigate further zinc violations by submitting samples for laboratory analysis prior to discharge. On August 23, 2021, OC San issued a compliance requirement letter to inform the facility that OC San does not agree with the facility's proposed corrective action based on the current production line configuration. Additionally, OC San iterated to the facility that the final rinse chamber continuously cycles during production and prior to batch release which can continue to increase the pollutant concentrations after the sample collection. OC San informed the facility that this operation scheme may lead to a variable characterization of wastewater discharged to the sewer system versus the sample collected for laboratory analysis. On September 14, 2021, OC San issued an NOV for the monthly average zinc exceedance in June 2021. On September 17, 2021, Powdercoat Services reported the facility would no longer discharge from the initial rinse tank in an effort to mitigate the impact of dragout rinses on discharged wastewater.

OC San will continue to monitor Powdercoat Services' discharge and compliance status on a quarterly basis.

Q-Flex, Inc. (Permit No. 1-600337)

Q-Flex, Inc. (Q-Flex) is a manufacturer of single-sided, double-sided, multi-layer flex, flexible heaters, rigid flex, and sculptured flex printed circuit boards that are used in the aerospace, telecommunications, medical, government, and military applications. Q-Flex specializes in prototypes and exotic designs using a wide range of materials and support services. Q-Flex outsources its' printed circuit board plating process. Wastewater is generated from micro-etching, film developing, and screen washing.

In March 2021, Q-Flex exceeded the copper monthly average discharge limit for copper.

July 1 – December 31, 2021

On August 3, 2021, OC San issued an NOV for the monthly average discharge limit exceedance for copper which occurred in March 2021. In August 2021, Q-Flex again exceeded the copper monthly average discharge limit, for which an NOV was issued on November 2, 2021. Q-Flex determined certain production jobs with smaller than normal circuit traces were more difficult to clean, therefore parts from these processes were scrubbed with wet pumice and then washed without treatment to the sample tank. As a result, Q-flex elected to haul the pumice scrub rinse wastesteams offsite. In addition, Q-Flex purchased in-situ copper testing strips to determine an approximate copper concentration in the sample tank prior to discharge to ensure the wastewater discharged to the sewer meets the copper discharge limits.

OC San will continue to monitor Q-Flex's discharge and compliance status on a quarterly basis.

Quality Aluminum Forge, LLC (Cypress South) (Permit No. 1-600272)

Quality Aluminum Forge, LLC (Cypress South) (QAF-South) produces aluminum alloy aerospace forgings. The major manufacturing process equipment consists of forging units, ovens, a heat treat (quench) tank, and a surface preparation/etch line. The forging units are used to drop forge the aluminum parts. Various cycles of forging, heating, etching, and quenching are used to form the metal and obtain the desired metallurgical properties. The wastewater generated from the etch process consists primarily of the rinse waters. Wastewater is treated in a continuous treatment system with pH adjustment, solids settling, filter press, and a clarifier.

In 2019, QAF-South was required to correct multiple compliance deficiencies identified during OC San inspections, including accumulation of excessive solids in the sample box and slug loading of the treatment system with concentrated waste. As a result of a pH violation in August 2020, QAF-South was required to submit a proposal for the installation of a pH chart recorder and pH shut-off valve in addition to a waste management proposal for concentrated waste, which was received by OC San in June 2021.

July 1 – December 31, 2021

On July 19, 2021, OC issued an acceptance letter for QAF-South's proposal to install a pH diversion valve and pH chart recorder to ensure long-term compliance with pH limits.

OC San will continue enforcement during the next reporting period and continue to monitor QAF-South's discharge and compliance status on a quarterly basis.

RBC Transport Dynamics Corp. (Permit No. 1-011013)

RBC Transport Dynamics Corp. (RBC) is a large captive machine shop which manufactures journal and spherical bearings, rod ends, and custom engineered assemblies for aerospace, automotive, and commercial applications. The effluent discharge at RBC is generated exclusively by the facilities vibratory deburring operation. Wastewater from the vibratory deburring operation flows through two, 200 gallon above ground clarifiers prior to discharge. RBC also installed one ion exchange/mixed media tank downstream of the vibratory deburring operation to remove any residual dissolved metals not settled by the above ground clarifiers. All rinse water from the facilities anodizing and plating processes and air scrubber bleed streams are routed to a large Enco evaporation unit. All spent chemicals are wastehauled off site.

An ion exchange column is used to treat spray rinse water from the cadmium plate process for cyanide/cadmium removal, then discharged into the evaporator collection sump. Built up sludge from the evaporator is removed and stored in a sludge holding tank before being wastehauled offsite.

July 1 – December 31, 2021

In July 2021, RBC exceeded the monthly average discharge limit for zinc, for which an NOV was issued on October 5, 2021. RBC reviewed their sampling and production data for the month of July and was unable to locate the source of the zinc violation; however, RBC chose to increase the frequency at which the two above ground clarifiers are cleaned and maintained. On December 3, 2021, RBC had a TTO violation, for which an NOV was issued on December 21, 2021. On December 6, 2021, RBC had a cadmium violation, for which an NOV will be issued during the next reporting period. This cadmium violation also caused RBC to exceed the monthly average discharge limit for December 2021, for which an NOV will also be issued during the next reporting period.

OC San will continue enforcement during the next reporting period and continue to monitor RBC's discharge and compliance status on a quarterly basis.

Rigiflex Technology, Inc. (Permit No. 1-021187)

Rigiflex is a small volume prototype PCB manufacturer responsible for rigid, flexible, and rigid/flex printed circuit boards. Rigiflex possesses the ability to perform most PCB fabrication in-house; however, most operations are currently subcontracted to third-party vendors. Current subcontracted operations include preclean, conditioning and plating.

Rigiflex maintains two film developers, one alkaline etch, one resist stripper, and a tin stripper. Other process operations such as acid cleaning, conditioning, and copper and tin plating are currently inactive.

High-concentrated metal-bearing wastewater generated from active etch equipment is discharged to a closed-loop IX system. Wastewater generated from the film developers, resist stripper and tin stripper is discharged to a final holding tank for pH adjust prior to discharge to a floor sump with a sewer connection. Rigiflex wastehauls spent process chemicals and IX system regenerant.

July 1 – December 31, 2021

On July 7, 2021, Rigiflex had daily limit and mass limit copper violations, for which an NOV was issued on July 20, 2021. OC San conducted a compliance inspection on August 4, 2021, during which Rigiflex attributed the copper violations to operator error. The facility stated an employee had washed the pretreatment containment area and discharged the wash water to the sample point. Rigiflex reported the wash water likely contained trace amounts of copper prior to discharge. On October 12, 2021, OC San issued an NOV for the monthly average copper exceedance in July 2021. Based on conversation during the compliance inspection, and as reported in Rigiflex's letter to OC San dated October 25, 2021, Rigiflex stated the facility would no longer wash the pretreatment containment area. After review, OC San had determined the proposed corrective action did not ensure long-term compliance as there was concern the employee acted without proper training and the facility did not maintain standard operating procedures for all circumstances in which waste may be generated. On November 10, 2021, OC San issued a compliance requirement letter that required Rigiflex to develop or update the existing O&M manual.

OC San will continue enforcement actions during the next reporting period and continue to monitor Rigiflex's discharge and compliance status on a quarterly basis.

Santana Services (Permit No. 1-021016)

Santana Services (Santana) is a small job shop that welds and brazes aluminum parts for various industries. Wastewater is generated from the preparation and cleaning processes. These processes include a heated caustic tank, a salt rinse tank, a deox tank, two neutralizer tanks, two nitric acid tanks and five rinse tanks. All rinses and process solutions flow to a small collection tank at the end of the process line which is then automatically pumped via level control to a batch holding tank where the pH is adjusted prior

to discharge. When process solutions need to be changed out, they are pumped to the batch discharge tank along with the rinse waters.

July 1 – December 31, 2021

In July 2021, Santana had a monthly chromium violation for which an NOV was issued on October 5, 2021. OC San conducted a compliance inspection on October 20, 2021, to investigate the cause of the violation. During the inspection, Santana informed OC San that they were unable to determine the source of chromium as they only process 6061 aluminum alloy, which had insignificant levels of chromium. However, Santana provided lab reports from 2016 that showed elevated levels of chromium, nickel, copper and zinc from their nitric tank. OC San then proceeded to collect several informational samples from each process tank. These informational samples confirmed that Santana's spent solutions have elevated concentrations of heavy metals, which were being discharged to the sewer without any treatment. During the inspection, OC San also noted that several process tanks located outdoors have the potential to collect and discharge stormwater into the sewer, which is a violation of OC San's Ordinance. OC San issued a compliance requirement letter on November 1, 2021, requiring Santana to immediately cease the practice of discharging spent solution to the sewer, to provide a proposal for the proper waste management of the spent solution, and to provide a proposal to mitigate potential stormwater discharge to the sewer system. Santana provided a proposal to wastehaul all spent solution when solution is no longer within specifications and will only discharge the rinses. Santana also proposed to install covers over all exposed process tanks, which Santana completed by November 30, 2021.

OC San will review waste hauling manifests on a regular basis and continue to monitor Santana's discharge and compliance status on a quarterly basis.

Semicoa (Permit No. 1-571313)

Semicoa is a medium size production and research and development facility that fabricates semiconductors for aerospace, commercial, medical, military, and telecommunication applications. Manufacturing process includes oxidation, diffusion furnace cleaning, photoresist, wafer etching, photoresist stripping, injection of various silicon dopants/electroconductive materials into the silicon dioxide substrate, vapor deposition, and glass etching. Wastewater is generated by the aqueous rinsing following the acid cleaning, acid etching, and solvent cleaning process steps, the disposal and pH neutralization of the various spent acidic solutions, reverse osmosis reject, and the cooling tower bleed. Wastewater treatment consists of a pH neutralization system with automated pH controls, setpoint alarms, and recirculation plumbing in the event of a setpoint exceedance.

July 1 – December 31, 2021

OC San conducted a compliance inspection on October 11, 2021, to review potential dilution processes and inadequacy of the existing sample point that was observed during previous inspections. During the inspection, OC San noted the existing sample point (clean-out) does not provide a representative sample for total toxic organic analysis. Additionally, OC San noted that the secondary containment that collects condensate from the liquid nitrogen area also collects and discharges stormwater into the sewer system, which is in violation of OC San's Ordinance. OC San issued a compliance requirement letter on October 25, 2021, requiring Semicoa to provide a proposal to install a representative sample point and to provide a proposal to prevent stormwater discharge to the sewer. Semicoa submitted a proposal to OC San on November 24, 2021. However, the proposal did not provide sufficient details regarding the re-routing of the piping and did not indicate that all wastewater will be routed to the new sample point.

OC San will continue enforcement during the next period and continue to monitor Semicoa's discharge and compliance status on a quarterly basis.

Soldermask, Inc. (Permit No. 1-031341)

Soldermask, Inc. (Soldermask) is a printed circuit board job shop specializing in solder mask services and making stainless steel stencils used for solder paste application or component verification. Wastewater is generated by manual pumice scrubbing, photoresist developing, screen cleaning, and associated rinses.

Soldermask does not have a pretreatment system apart from a four-stage aboveground clarifier. The spent ferric etch solution, electropolishing solution, and subsequent static rinses are wastehauled.

In March 2020, Soldermask had a nickel monthly average discharge limit violation. In June 2020, OC San staff conducted a compliance inspection and informational sampling during which it was determined that the source of nickel was from a rinse tank connected to an etcher process. Soldermask elected to modify the process and disconnect the nickel rinse from the sample point in lieu of installing additional pretreatment equipment.

In April 2021, Soldermask had another nickel violation. Soldermask attributed the violation to the discharge of floor waste and retrained staff on waste management procedures as a result.

July 1 – December 31, 2021

Soldermask had no violations during this reporting period. OC San will issue an NOV for the April 2021 nickel monthly limit exceedance in the next reporting period.

OC San will continue to monitor Soldermask's discharge and compliance status on a quarterly basis.

Statek Corporation (Main) (Permit No. 1-021664)

Statek Corporation (Main) (Statek) manufactures surface mount and through hole, ultra-miniature quartz crystals and oscillators. Statek's products are utilized in communications, medical electronics, industrial controls, and precision military application devices. The wafer fab long and short lines produce wastewater which is treated using an ammonia pH adjustment system prior to discharge to the sewer.

July 1 – December 31, 2021

Statek had pH violations on September 14 and December 1, 2021, for which NOVs were issued on September 30 and December 21, 2021, respectively. During the sampling events, OC San noted that there were multiple waste streams that were not previous identified and may be causing the fluctuation in pH. Statek failed to identify a cause for the violations.

OC San will continue enforcement during the next period and continue to monitor Statek's discharge and compliance status on a quarterly basis.

Stepan Company (Permit No. 1-021674)

Stepan Company (Stepan) manufactures surfactants used in various consumer detergents, soaps, and other specialty blends. Stepan manufactures surfactants utilizing three processes: continuous falling film sulfonation, detergent blending by batch processing of alkanolamides, and detergent blending by batch processing of betaine. Pretreatment at the facility includes pH adjustment and batch oxidization of 1,4-dioxane.

During a routine inspection in May 2021, OC San was informed that Stepan discharges their 'first flush' of stormwater into the sewer system, which is prohibited by OC San's Ordinance. In June 2021, OC San conducted a compliance inspection and verified that the 'first flush' of stormwater captured in secondary containments and surface runoffs of outdoor processing areas were transferred to Stepan's wastewater collection system and eventually discharged to the sewer.

July 1 – December 31, 2021

OC San issued a compliance requirement letter on July 15, 2021, requiring Stepan to provide a proposal to prevent the discharge of stormwater to the sewer. Stepan provided a proposal on August 31, 2021, to install a rain gauge, automatic three-way valves and pumps, as well as reconfiguring part of the discharge piping to divert stormwater to the stormwater system. However, the proposal did not provide sufficient detail on how Stepan intends to dispose of the stormwater collected during first 1/10th of an inch that does not get diverted to the storm drains. Stepan provided a revised proposal on November 15, 2021, to halt automatic conveyance of process and stormwater and will manually transfer the collected water to the

stormwater system once the valves have been diverted. OC San is currently reviewing the proposal and will provide a response to Stepan in the next reporting period.

On August 4, 2021, Stepan had a 1,4-dioxane violation for which an NOV was issued on August 31, 2021. Stepan attributed the violation to wastewater that bypassed isolation via a vent line from the deaerator. Untreated wastewater dropped on the pad underneath and discharged to the final batch tank. Stepan took measures to treat the batch tank prior to discharge. However, due to a lack of communication, Stepan discharged wastewater to the sewer prior to completing the treatment, resulting in the violation. Stepan submitted a corrective action report on September 29, 2021, where Stepan rerouted the vent line to a containment tote bin to collect water overflow. Stepan also implemented a policy where all wastewater batches are tested for 1,4-dioxane prior to discharge to the sewer. Subsequent resampling demonstrated compliance.

OC San will continue enforcement during the next reporting period and continue to monitor Stepan's discharge and compliance status.

Summit Interconnect, Inc. (Permit No. 1-600012)

Summit Interconnect, Inc (Summit) is a large, full-service printed circuit board manufacturer. Wastewater is generated from spent solutions and rinses from the processing of copper laminates into printed circuit boards. Wet processes include alkaline cleaning, acid cleaning, cupric chloride and ammonia etching, resist stripping, oxide treatment, electroless copper plating, copper/lead plating, solder mask, developing, tin stripping, screen cleaning, deburring, pumice scrub and miscellaneous cleanup/mop water. Summit operates a continuous pretreatment system utilizing separate carbon vessels and ion exchange systems to treat unchelated copper wastestreams and chelated copper wastestreams. Treated unchelated waste stream is further treated by another set of ion exchange system to produce deionized water that is re-used for their production. Treated chelated copper rinses and unrecycled treated unchelated copper rinses are discharged to the final discharge tank, where pH adjustment occurs prior to discharge. Regeneration waste for the chelated and unchelated copper wastestreams is treated through electrowinning, while regeneration waste for the deionized water production is discharged to the final discharge tank for pH adjustment. Batch treatment is performed if the continuous system does not have the capacity. Batch treatment consists of pH adjustment, flocculation, and clarification followed by sludge dewatering with a filter press is also used. Decant from batch treatment is discharged to the final discharge tank.

July 1 – December 31, 2021

On July 15, 2021 and August 18, 2021, Summit had copper mass violations for which NOVs were issued on September 23, 2021 and September 16, 2021 respectively. OC San conducted a compliance inspection on September 2, 2021, to investigate the cause of these violations. During the inspection, Summit attributed the cause of the mass violations to an increase in production hours. Subsequent correspondence clarified that a certain percentage of the flow from the unchelated copper waste stream bypassed the ion exchange system and was directly discharging to the final discharge tank due to a partially plugged carbon vessel. Summit had another copper violation on October 13, 2021, for which an NOV was issued on November 30, 2021. Summit will also be issued an additional NOV during the next reporting period for the October 2021 copper monthly limit violation. Summit provided two potential causes of the violations including an uncalibrated atomic adsorption instrument and a delay in sample processing that may have caused contamination. However, Summit failed to provide substantiated evidence to support these potential causes.

OC San will continue enforcement during the next period and continue to monitor Summits' discharge and compliance status on a quarterly basis.

Taylor-Dunn Manufacturing Company (Permit No. 1-021123)

Taylor-Dunn Manufacturing Company (Taylor-Dunn) manufactures industrial electric utility carts, lifts, and load carriers. Wastewater is generated from the iron phosphate wash process prior to any painting application. Wastewater is directed to a sump where pH adjustment with caustic occurs. Wastewater then overflows to the final sump for clarification prior to discharge.

July 1 – December 31, 2021

Taylor-Dunn had a monthly zinc violation in November 2021. An NOV will be issued in the next reporting period.

OC San will continue enforcement during the next reporting period and continue to monitor Taylor-Dunn's discharge and compliance status during the next reporting period.

TTM Technologies North America, LLC. (Coronado) (Permit No. 1-521859)

TTM Technologies North America, LLC (TTM Technologies) is a large scale, full-service printed circuit board shop. Wastewater is generated from the processing of copper laminates into printed circuit boards. Wet processes include copper plating, electroless copper plating, nickel/gold plating, solder mask, alkaline cleaning, acid cleaning, scrubbing, developing, resist stripping, tin stripping, etching, screen cleaning, oxide coating, and miscellaneous cleanup/mop water. Rinse schemes practiced at the facility include significant use of static rinses in addition to running rinses. TTM Technologies operates a continuous pretreatment system to treat low concentration wastestreams, consisting of pH adjustment and multiple ion exchange resin beds, with a large portion of the effluent reused onsite. Batch treatment is performed on spent solutions and ion exchange backflush and consists of pH adjustment, flocculation, and clarification followed by sludge dewatering with a filter press. Concentrated wastestreams (etchant, spent plating solutions) are wastehauled offsite.

As a result of copper violations in August and September 2018, TTM Technologies was required to implement corrective cations which included submitting updated facility drawings and operations and maintenance (O&M) manual. TTM Technologies attributed ongoing copper discharge limit noncompliance to ion exchange regeneration issues in June 2019 and pump failure of process equipment in December 2020. Consequently, TTM technologies implemented several corrective actions which include replacing control valves and level sensors, implementing high level alarms and pump controls, installing basket screens at the end of all pump discharge pipes, and providing additional training to employees.

July 1 – December 31, 2021

On November 2, 2021, TTM Technologies had a copper daily limit violation, for which an NOV was issued on November 23, 2021. TTM Technologies submitted a corrective action report that attributed the violation to particulates passing through while decanting the batch treatment tanks as the operator was changing out the bag filters. TTM Technologies also identified that the batch tanks did not settle within the required time to complete treatment due to operator error. Additionally, TTM Technologies identified that the recirculation lines between the filter press filtrate and the batch tank were damaged. TTM Technologies has since retrained their operators, fixed the damaged connected, and improved inspection logs, requiring management sign off. OC San conducted a compliance inspection on December 29, 2021, to verify the implemented corrective actions. A resample of the wastewater showed compliance.

OC San will continue to monitor TTM Technologies' discharge and compliance status on a quarterly basis.

Vi-Cal Metals, Inc. (Permit No. 1-521846)

Vi-Cal Metals, Inc. (Vi-Cal) is a metals recycling facility. Metal parts and shavings are dropped off from trucks and various sized bins. Vi-Cal sorts some of the parts and crushes/shreds larger parts for compaction into shipping containers and delivery to foundries off site. Wastewater is generated from pressing waste oil and coolant from metal parts, which is collected for treatment before discharge to the sewer system.

As a result of multiple noncompliance issues related to stormwater discharge to the sewer and the use of inadequate pretreatment, OC San issued a compliance requirement letter to Vi-Cal in December 2020, requiring the facility to address the compliance deficiencies. After receiving multiple proposals and compliance inspections in 2021, OC San accepted Vi-Cals proposed pretreatment system changes, including a separate batch treatment system and pH adjustment system. Vi-Cal completed the implementation of the accepted proposal in June 2021.

July 1 – December 31, 2021

OC San conducted a compliance inspection on August 25, 2021, to verify the completion of the pretreatment system, as well as roof covering and berm around the treatment system.

OC San will continue to monitor Vi-Cal's discharge and compliance status on a quarterly basis.

Winonics (Brea) (Permit No. 1-031035)

Winonics Brea (Winonics) is a printed circuit board manufacturer. Winonics manufactures multi-layer printed circuit boards using core materials of epoxy and polyimide laminate coated with copper foil of various thickness. Manufacturing processes include core material shearing, surface cleaning, photo resist application, brown oxide treatment, lamination with prepreg/resin sheets, electroless copper coating, tin pattern plate, etching, oxide scrubber, ENIG automated coating line, electroless nickel and gold or silver coating, and hot air solder leveling.

The pretreatment system at Winonics consists of batch treatment for spent process chemicals and drag outs, and continuous heavy metals precipitation for rinse waters and some dilute chemistries, using standard pH/ORP controls with chemical feeds for caustic, coagulants, and polymer / floc additions. Batch treatment effluent is directed to the continuous system for final treatment before discharge to the sewer, and solids from batch treatment transferred to the solids thickening tank. Spent resist stripper solution is processed through a separate batch treatment (pH adjust) then a dedicated filter press for solids dewatering before the filtrate is discharged to the sample point, along with developer and resist stripper rinses as these waste streams contain no heavy metals. Aqueous fume scrubber overflow is directed to the pretreatment system, while RO water treatment system reject is plumbed downstream of Winonics sample point.

July 1 – December 31, 2021

On October 6, 2021, Winonics had a copper violation, for which an NOV was issued on November 2, 2021. On November 18, 2021, OC San conducted a compliance inspection at Winonics to discuss the root cause of the copper violation and to resample. During the compliance inspection, OC San emphasized the importance of having a proper sample point that can be appropriately cleaned and maintained to prevent the build-up of excessive solids. On November 23, 2021, Winonics submitted a corrective action report to OC San. Winonics proposed to replace the sample point with a new downstream sample tap that will provide a representative sample point. During subsequent routine inspection, OC San confirmed that the new sample point has been installed. In October 2021, Winonics had a monthly copper violation, for which an NOV will be issued in the next reporting period.

Winonics had no further violations during this reporting period. OC San will continue to monitor Winonics' discharge and compliance status on a quarterly basis.

Winonics, Inc. (Permit No. 1-021735)

Winonics, Inc (Winonics) is a large, full service printed circuit board facility. Industrial wastewater is generated by the processing of copper-clad laminates into printed circuit boards. Wet processes performed at the facility include photoresist application, copper plating, electroless copper plating, nickel/gold plating, tin plating, soldermask, acid and alkaline cleaning, scrubbing, developing, resist stripping, tin stripping, permanganate etching, cupric chloride etching, ammonia etching, Circubond (black oxide) and miscellaneous cleanup/mopwater. Winonics operates a continuous treatment system with pH adjustment, flocculation, clarification, and solids dewatering with a filter press. Winonics also operates a batch treatment system for acidic solutions and rinses. Resist stripper solutions, developer solution and all final rinses discharges directly to the sample point without treatment. Winonics also discharges aqueous fume scrubbing, R.O. reject to the sample point.

July 1 – December 31, 2021

On October 11, 2021, Winonics had a copper violation for which an NOV was issued on December 9, 2021. OC San conducted a compliance inspection on December 13, 2021, to investigate the cause of this violation. During the inspection, OC San collected an informational sample from the discharge from the

clarifier, which showed an elevated level of copper. As a corrective action, Winonics increased the dosage of the coagulant and metal precipitant to increase the effectiveness of treatment. Additionally, Winonics also identified that there was insufficient air pressure of the air knives on their cupric etchant line. Winonics increased the air pressure to decrease the amount of drag out that discharges to the clarifier. A resample of the wastewater showed compliance.

OC San will continue to monitor Winonics' discharge and compliance status on a quarterly basis.

3.0 Santa Ana Watershed Project Authority (SAWPA)

SAWPA was formed in 1968 to develop a long-range plan for managing, preserving and protecting the quality of water supplies in the Santa Ana Basin. SAWPA is a Joint Powers Authority (JPA) consisting of five member agencies: Eastern Municipal Water District (EMWD), Inland Empire Utilities Agency (IEUA), Orange County Water District (OCWD), San Bernardino Valley Municipal Water District (Valley District), and Western Municipal Water District (Western). SAWPA's program in water quality management is integrated with those of other local, state, and federal agencies.

The Inland Empire Brine Line (Brine Line) is a pipeline designated to carry saline wastewater from the Upper Basin to OC San for disposal, after treatment, into the Pacific Ocean. This wastewater consists of a mixture of desalter brine and saline wastewater from Industrial Users (IUs), but also some temporary domestic discharges. The wastewater is treated by OC San to comply with environmental standards before discharge to the ocean outfall. The capacity of the Brine Line available to SAWPA is 30 million gallons per day (MGD). The average daily discharge was 11.18 MGD for this reporting period.

3.1 Brine Line System Pretreatment Program Overview

SAWPA has a wastewater discharge ordinance applicable to the Brine Line. It is essentially, with some appropriate modifications, substantially similar to OC San's Wastewater Discharge Regulations Ordinance. In addition, a Memorandum of Understanding is in place to delineate pretreatment permitting, monitoring, enforcement, and reporting responsibilities between SAWPA and OC San. SAWPA has entered into a Multijurisdictional Pretreatment Agreement (Agreement) with the City of Beaumont (Beaumont), EMWD, IEUA, Jurupa Community Services District (JCSD), San Bernardino Municipal Water Department (SBMWD), Valley District, Western, and Yucaipa Valley Water District (YVWD). This Agreement delineates the pretreatment responsibilities between SAWPA and the agencies to carry out and enforce a pretreatment program to control discharges from IUs located in their service areas.

SAWPA owns and operates the Brine Line above the Orange County line and has purchased 17 MGD of treatment and disposal capacity rights at OC San's treatment facilities. As of December 31, 2021, there are thirty-one (31) direct connections. Eighteen (18) indirect discharge Permittees located within the SAWPA service area discharge to the four (4) Brine Line Collection Stations (Collection Stations). The Collection Stations are located in, and operated by, the following agencies: EMWD, IEUA, SBMWD on behalf of Valley District, and the City of Corona on behalf of Western.

SAWPA has the permitting responsibilities for all Liquid Waste Haulers (LWH) that use the Collection Stations. As of December 31, 2021, there are seven (7) LWH permitted by SAWPA to use the Collection Stations. The SAWPA LWH permits assign a primary collection station and alternate collection station should the primary collection station become unavailable due to repairs or closure.

During the reporting period (July 1, 2021, through December 31, 2021), SAWPA continued implementation of numerous program documents and worked to improve the operation and implementation of the Pretreatment Program. The Agreement between SAWPA and the member/contract agencies defines the roles and responsibilities of SAWPA and the Agencies. SAWPA and the member and contract agencies use a procedures document for uniform and consistent implementation of the Pretreatment Program. OC San has completed the process of updating and revising their Sewer User Ordinance, Ordinance OCSD-53. As Delegated Control Authority to OC San, SAWPA is required to update their Ordinance to include relevant OC San revisions. SAWPA has developed draft Ordinance No. 9 which has been revised to incorporate the updates within the new OC San Ordinance. SAWPA submitted the draft Ordinance to OC San for their review and concurrence on June 11, 2020. It is anticipated SAWPA will receive comments from OC San regarding the draft Ordinance in early 2022.

Reporting below is individually presented for each SAWPA Pretreatment Program member/contract agency.

3.2 SAWPA Pretreatment Program

3.2.1 The City of Beaumont

Description of Beaumont

Beaumont is the owner and operator of the City of Beaumont Wastewater Treatment Plant and is responsible for the implementation of certain pretreatment program activities for the industries connected to the Brine Line within its service area. Beaumont has been required by the Santa Ana Regional Water Quality Control Board to proactively manage salinity in the two underlying groundwater basins, the Beaumont and San Timoteo Groundwater Management Zones. As a result, Beaumont has installed a reverse osmosis (RO) treatment of the tertiary treated wastewater treatment plant effluent. The RO concentrate is discharged to the Brine Line. The Beaumont Wastewater Treatment Plant discharges to Cooper's Creek, tributary to San Timoteo Creek, which is tributary to the Santa Ana River. By discharging the brine concentrate to the Brine Line, discharge of a minimum 685 tons of salt to the Santa Ana River is avoided, benefitting the downstream groundwater basins. Currently there are no permitted users within the Beaumont Service Area.

Although Beaumont currently has no permitted industries discharging to the Brine Line, they have participated in Brine Line activities, including training conducted by SAWPA personnel since early-2020. They conduct the industrial user survey upstream of the City of Beaumont Wastewater Treatment Plant that began to discharge to the Brine Line in July of 2020, in accordance with SAWPA policies and procedures.

3.2.2 Eastern Municipal Water District

Description of EMWD

EMWD is a Municipal Water District responsible for the implementation of certain pretreatment activities for the indirect and direct industries that discharge to EMWD's Non-Reclaimable Waste Line, which discharges to the Brine Line at Reach V. In the face of declining groundwater levels and continuing droughts, EMWD was formed in 1950 to secure additional water for a lightly populated area of western Riverside County. EMWD joined the Metropolitan Water District of Southern California a year later to augment its local supplies with recently available imported water. EMWD also provides sewer service throughout its area. The EMWD headquarters are located in Perris, California and serves the eastern portion of the watershed in Riverside County, as well as portions of the Santa Margarita Watershed, south of the Santa Ana River Watershed.

Enforcement Action

There was no enforcement action during this reporting period.

3.2.3 Inland Empire Utilities Agency

Description of IEUA

IEUA is a Municipal Water District responsible for the implementation of certain pretreatment program activities for the direct and indirect industries located within IEUA's service area which discharge to the Brine Line at Reach 4A and 4D. IEUA, originally named the Chino Basin Municipal Water District, was formed in 1950 to supply supplemental water to the region. Since its formation, the Agency has expanded its areas of responsibility from a supplemental water supplier to a regional wastewater treatment agency with domestic and industrial disposal systems and energy recovery/production facilities. In addition, the Agency has become a recycled water purveyor, bio-solids/fertilizer treatment provider and continues as a leader in water supply salt management, for the purpose of protecting the region's vital groundwater supplies.

IEUA strives to enhance the quality of life in the Inland Empire by providing optimum water resources management for the area's customers while promoting conservation and environmental protection. IEUA covers 242-square miles, distributes imported water, provides industrial/municipal wastewater collection and treatment services, and other related utility services to more than 875,000 people. The Agency's service area includes the Cities of Chino, Chino Hills, Fontana, Montclair, Ontario and Upland, as well as the Cucamonga Valley Water District and the Monte Vista Water District.

Enforcement Action

Eastside Water Treatment Facility (Permit No. I1024-3)

A Notice of Violation and Order for Corrective Action (NOV/OCA) was issued on December 22, 2021, for an attempt to discharge a mixed wastewater load at the IEUA Collection Station. On November 29, 2021, the permittee attempted to discharge a load of wastewater at the IEUA collection station. The station locked permittee out and discharge was ceased due to detection of low pH. IEUA inspector responded and determined the wastewater load contained oil and grease which fouled the pH probe and caused the pH probe/meter to malfunction. Inspector determined tanker truck contained a mixed load of brine and oily wastewater, a violation of Wastewater Permit No. I1024-3. The NOV/OCA required the permittee to submit a written report detailing the cause of these violations and corrective actions taken to prevent recurrence on or before December 30, 2021. The permittee responded on December 28, 2021, stating it checked its processes and wastewater holding tanks and no "oil substances" were detected. Furthermore, the permittee also checked the pH of the load prior to loading tanker, and it was in compliance. The permittee concluded source of "oily substance" originated from the tanker and therefore updated its disposal of wastewater SOP which now states it will check each tanker prior to loading its wastewater to ensure it is clean. The permittee returned to compliance and enforcement was closed on December 30, 2021. IEUA shall continue to conduct unannounced inspections and wastewater monitoring at Eastside Water Treatment Facility to ensure consistent compliance with permit requirements and SAWPA Ordinance No. 8.

Niagara Bottling LLC, (Permit No. I1114-2)

A Notice of Violation and Order for Corrective Action (NOV/OCA) was issued on October 28, 2021, for discharge of low pH to the Brine Line. On October 20, 2021, IEUA detected a low pH at the IEUA collection station while wastewater load with manifest number 151491 was offloading at Monitoring Point 002. The pH was measured at 5.98 SU which exceeds the lower pH limit of 6.0 SU as stated in Permit No. I1114-2. Additionally, on October 25, 2021, IEUA detected a low pH at the IEUA collection station while wastewater load with manifest number 151508 was offloading at Monitoring Point 002. The pH was measured at 5.86 SU which exceeds the lower pH limit of 6.0 SU as stated in Permit No. I1114-2. The NOV/OVA requires the permittee to resample for pH and submit the result on or before November 11, 2021. Furthermore, the permittee is required to submit a written report detailing the cause and corrective actions taken to prevent pH violation recurrence on or before November 4, 2021. Permittee responded on November 4, 2021, stating it will check valves for calcium carbonate accumulation to ensure CIP chemicals are not blending with brine wastewater. The permittee found this to be the cause of low pH wastewater in the past. Furthermore, the permittee stated its contractor will move the pH alarm to another high traffic HMI panel located inside production building. Currently the HMI panel that controls the pH shutoff valve has a reset button that can override the shut of valve. As a precaution, Niagara will have its contractor reprogram the reset button to be password protected to prevent resets without supervisor approval. The permittee returned to compliance and enforcement was closed on November 9, 2021. IEUA shall continue to conduct unannounced inspections and wastewater monitoring at Niagara Bottling, LLC to ensure consistent compliance with permit requirements and SAWPA Ordinance No. 8.

3.2.4 Jurupa Community Services District

Description of JCSD

JCSD is a public agency responsible for the implementation of certain pretreatment program activities for the direct industries connected to the Brine Line via JCSD's sewer collection system within its service area (Brine Line Reach IV-D). JCSD headquarters is located at 11201 Harrel Street in the City of Jurupa Valley. JCSD was formed in 1956 and provides water, sewer, park services, graffiti abatement, and street lighting. In 1988 the District formed the Community Facilities District (CFD) No. 1 to provide for water, sewer, flood control and street infrastructure within the industrial portion of the Mira Loma area. The boundaries of CFD No. 1 expanded from 1,900 acres to 3,000 acres in 1992. In June 1989, JCSD contracted with Western for capacity in Reach IV-D of the Brine Line.

Enforcement Action

There was no enforcement action during this reporting period.

3.2.5 San Bernardino Municipal Water Department

Description of SBMWD

SBMWD is a Municipal Water Department and is responsible for administering certain pretreatment program activities for indirect industries associated with the SBMWD Brine Line Collection Station. SBMWD provides potable water and sewerage services for the City of San Bernardino, in addition to sewerage service for the cities of Loma Linda and Highland, as well as some isolated county areas. These services are augmented by the operation of a brine waste collection station which provides an alternate disposal site for industries which generate high strength brine waste. The SBMWD, under contract with the San Bernardino Valley Municipal Water District, is responsible for administering the pretreatment program associated with the SBMWD Brine Line Collection Station.

Enforcement Action

There was no enforcement action during this reporting period.

3.2.6 San Bernardino Valley Municipal Water District

Description of Valley District

Valley District is a Municipal Water District responsible for the implementation of certain pretreatment program activities for the direct industries connected to the Brine Line within its service area (Brine Line Reach IV-E). Valley District headquarters is located in the City of San Bernardino and serves most of the northern and eastern reaches of the watershed in San Bernardino County with a small portion of its service area in Riverside County. Valley District was formed in 1954 to plan long-range water supply for the San Bernardino Valley. It is the only State Water Contractor within SAWPA and imports water into its service area through participation in the California State Water Project while also managing groundwater storage within its boundaries. It was incorporated under the Municipal Water District Act of 1911 (California Water Code Section 7100 et seq., as amended). Its enabling act includes a broad range of powers to provide water, as well as wastewater, stormwater disposal, recreation, and fire protection services.

Enforcement Action

Rialto Bioenergy Facility, LLC (Permit No. D1130-1)

An Administrative Compliance Order and Interim Discharge Period Extension (Order) was issued on May 13, 2021, for repeated violation of the Interim Daily Maximum Discharge Limitations for BOD and TSS. The Order allows continued discharge to the existing connection to no longer than November 9, 2021. The permittee is required to complete construction of a new lateral connection to the Brine Line by that date. Furthermore, the permittee is required to provide weekly updates on the process of obtaining the necessary permits for construction of the new lateral connection and within 5 business days of receipt of these permits submit a written report to SAWPA. The Permittee will submit a monthly progress report on the construction of the new lateral connection and submit written notice of its completion within 5 days of completion of all construction activities. The Permittee submitted revised plans of the connection to SAWPA for review and approval. SAWPA is currently reviewing the documents as submitted and has therefore extended the deadline for completion of construction until May 9, 2022, to accommodate this review. As of December 31, 2021, the Permittee continues to submit the weekly reports as required by the Order. Valley District and SAWPA shall continue to conduct unannounced inspections and wastewater monitoring at Rialto Bioenergy Facility, LLC to ensure consistent compliance with permit requirements and SAWPA Ordinance No. 8.

Rialto Bioenergy Facility, LLC (Permit No. D1130-1)

A Notice of Violation and Order for Corrective Action (NOV/OCA) was issued on November 19, 2021, for violations of the Interim Daily Maximum Discharge Limitations for BOD and TSS that occurred after issuance of the May 13, 2021, Administrative Compliance Order and Interim Discharge Period Extension. The permittee had previously indicated the recent violations had been attributable to a shortage in Chlorine

necessary for treatment at the permittee's facility. The NOV/OCA required the permittee to provide a corrective action plan by November 29, 2021, that identified all steps taken or planned to correct the chlorine shortages that Rialto Bioenergy Facility, LLC personnel identified for the cause of the repeated BOD violations identified. Permittee responded on November 29, 2021 identifying that it had switched chlorine providers to ensure adequate supply onsite. Following issuance of the NOV/OCA additional violations of the Interim Daily Maximum Discharge Limitations for BOD and TSS were reported by the permittee. It is anticipated that Valley District will issue further enforcement for these violations in early 2022. Valley District shall continue to conduct unannounced inspections and wastewater monitoring at Rialto Bioenergy Facility, LLC to ensure consistent compliance with permit requirements and SAWPA Ordinance No. 8.

3.2.7 Santa Ana Watershed Project Authority (SAWPA)

Description of SAWPA

SAWPA is a JPA, classified as a Special District under State of California law, responsible for the implementation of the pretreatment program for the industries connected to the Brine Line. SAWPA consists of five Member Agencies: EMWD, IEUA, OCWD, Valley District, and Western. SAWPA, through the MOU with OC San, has the ultimate responsibility to ensure adequate implementation of Pretreatment Program responsibilities in the Upper Basin portion of the Brine Line. SAWPA issues permits to direct and indirect dischargers jointly with member and contract agencies and solely issues permits to all member and contract agency owned or affiliated direct and indirect dischargers.

Enforcement Action

There was no enforcement action during this reporting period.

3.2.8 SAWPA Liquid Waste Hauler (LWH) Program

SAWPA solely permits the waste haulers allowing for the waste haulers to have only one permit to provide service to the four member agencies' collection stations. This also facilitates utilization of the generator's regular waste hauler if an alternate collection station must be used.

Enforcement Action

There was no enforcement action during this reporting period.

3.2.9 Western Municipal Water District

Description of Western

Western is a Municipal Water District responsible for the implementation of certain pretreatment program activities for the direct and indirect industries connected to the Brine Line within its service area. Western was formed in 1954 under the Municipal Water District Act of 1911 for the purpose of bringing supplemental water from the Metropolitan Water District of Southern California to a growing western Riverside County. Western's service area covers 527 square miles, serving a population of approximately 900,000 people. The District serves 10 wholesale customers with imported water via the Colorado River and the State Water Project. Western also supplies imported water and groundwater directly to approximately 25,000 residential, commercial and agricultural customers in the areas of El Sobrante, Eagle Valley, Temescal Creek, Woodcrest, Orangecrest, Mission Grove, Lake Mathews, March Air Reserve Base, Rainbow Canyon and portions of the cities of Riverside and Murrieta. The Murrieta division provides water and wastewater services in a 6.5-square mile portion of Murrieta and relies on both groundwater and imported sources. Western headquarters is located in Riverside, California and serves the western Riverside County portion of the watershed, as well as portions of the Santa Margarita Watershed, south of the Santa Ana River Watershed.

Enforcement Action

There was no enforcement action during this reporting period.

3.2.10 Yucaipa Valley Water District

Description of YVWD

YVWD is a Water District responsible for the implementation of certain pretreatment program activities for the industries connected to the Brine Line within its service area. YVWD was formed on September 14, 1971, when the Secretary of State of the State of California certified and declared formation of the District. The District operates under the County Water District Law, being Division 12 of the State of California Water Code. Although the immediate function of the District at the time was to provide water service, the YVWD currently provides a variety of services to residential, commercial and industrial customers. The YVWD provides sewer collection and sewer treatment services. Sewer treatment takes place at the highly advanced Wochholz Regional Water Recycling Facility that provides advanced treatment, including the capability to demineralize the recycled water. In 2012, the YVWD completed an extension of the Inland Empire Brine Line operated by SAWPA. The brine disposal facility is critical to ensure the YVWD meets the water quality objectives set by the Regional Water Quality Control Board for the Yucaipa Management Zone, Beaumont Management Zone and the San Timoteo Management Zone.

Although YVWD currently has no permitted industries discharging to the Brine Line they have participated in Brine Line activities, including training conducted by SAWPA personnel, since 2013. They conduct the industrial user survey upstream of the Henry Wochholz Regional Water Recycling Facility that began discharge to the Brine Line in July of 2016, in accordance with SAWPA policies and procedures. The Henry Wochholz Regional Water Recycling Facility service area includes three industrial permittees.

Enforcement Action

There was no enforcement action during this reporting period.

3.3 Permittees in Significant Noncompliance (SNC)

At the end of each quarter, US EPA requires the evaluation of each IU's compliance status using a six-month period. Each IU is evaluated for SNC four times during the year, and the total evaluation period covers 15 months (beginning with the last quarter of the previous pretreatment year through the end of the current year).

As of December 31, 2021, of the active fifty-six (56) permittees, there were no permittees classified as SNC. An industry was determined to be in SNC if it incurred a violation that met one or more of the criteria listed below as provided in 40 CFR, Part 403.

- Chronic violations of wastewater discharge limits are defined as those in which 66% or more of all measurements for the same pollutant taken during a consecutive six-month period exceed (by any magnitude) a numeric pretreatment standard or requirement including instantaneous limits as defined by 40 CFR 403.3(l).
- Technical review criteria (TRC) violations are defined as those in which 33% or more of all measurements taken for the same pollutant during a consecutive six-month period equal or exceeds the product of the numeric pretreatment standard or requirement including instantaneous limits, as defined by 40 CFR 403.3(l) multiplied by the applicable TRC (TRC=1.4 for BOD, TSS, fats, oils and grease, and 1.2 for all other pollutants except pH).
- Any other violation of a pretreatment standard or requirement (daily maximum or long term average, instantaneous limit or narrative standard) that has caused, alone or in combination with other discharges, interference or pass through (including endangering the health of POTW or SAWPA personnel or the general public).
- Any discharge of a pollutant that has caused imminent endangerment to human health, welfare, or the environment; or has resulted in POTW's or SAWPA's exercise of emergency authority to halt or prevent such a discharger.

- Failure to meet within 90 days after the scheduled date, a compliance schedule milestone contained in a local control mechanism or enforcement order, for starting construction, completing construction, or for attaining final compliance.
- Failure to provide, within 45 days of the due date, any required reports such a baseline monitoring reports, 90-day compliance reports, periodic self-monitoring reports, and reports with compliance schedules.
- Failure to pay, within 30 days, all applicable user application, permit and enforcement penalty fees.
- Failure to accurately report noncompliance.
- Any other violation or group of violations, which may include a violation of Best Management Practices, which the POTW or SAWPA believes will adversely affect the operation or implementation of SAWPA's pretreatment program, or the Brine Line or tributaries thereto.

A summary of permittees in SNC is presented in Table 3.1.

Table 3.1 Summary of SAWPA and Member/Contract Agency Permittees in Significant Noncompliance (SNC), July 1 – December 31, 2021
Santa Ana Watershed Project Authority
Orange County Sanitation District, Resource Protection Division

EMWD, IEUA, JCSD, SBMWD, Valley District, SAWPA, and Western Permittees		
Company Name	**Permit No.**	**Reporting or Discharge Violation**
None		

3.4 Future Projects that will Affect Quantity of Discharge to the Brine Line System

California Institution for Women (CIW) which is primarily domestic (reclaimable) wastewater will be diverted to the Pine Avenue Sewer, away from the Brine Line, when the diversion project is completed. Diversion of the CIW wastewater to the Pine Avenue Sewer away from the Brine Line is anticipated for Fiscal Year 2021/2022.

Eastside Water Treatment Plant is currently undergoing a plant expansion to double their water production capacity at the existing plant. The plant will also be constructing a lateral to directly connect to the Brine Line. The anticipated completion of construction for the expanded plant will be third quarter of Fiscal Year 2021/2022.

In-N-Out Burger, Chino Distribution Center (INO) is a new facility in the City of Chino that will generate wastewater from INO's meat processing and spread/sauce production. The facility is currently in construction and will begin operations in the third quarter of Fiscal Year 2021/2022.

3.5 SAWPA Special Projects

SAWPA Conducted the following Special Project efforts during the reporting period:

1. Right of way (ROW) maintenance – 7.66 miles of easements were maintained.
2. Pipeline Inspection and Cleaning – Reach IV-A Upper and Reach V.
3. Repair of 14 Maintenance Access Structures (MAS) on Reach IV-A for corrosion.
4. Overhaul and valve exercise for 8 Air/Vac structures on Reach V in addition to 11 main line valves exercised.
5. 291 USA tickets marked.

Special projects summarized in Table 3.2.

Table 3.2 Summary of SAWPA Special Projects, July 1 – December 31, 2021
Santa Ana Watershed Project Authority
Orange County Sanitation District, Resource Protection Division

Activity	Reach IV	Reach IV-A Lower	Reach IV-A Upper	Reach IV-B Lower	Reach IV-B Upper	Reach IV-D	Reach IV-E	Reach V	Corona Lateral
ROW Maintenance	2.69 Miles	2.19 Miles	1,656 Feet	2.1 Miles					1,404 Feet
Line Inspection								1,000 Feet	
Line Cleaning			2,600 Feet						
MAS Inspection	18	18	10	18	33			8	
MAS R&R			14						
Pot Holing								6	
Frame and Cover R&R			4						

3.6 Brine Wastewater Effluent Characteristics at OC San's SARI Metering Station (SMS)

A flow meter installed at SMS located at the Orange County line measures SAWPA's discharge. For the total billing days during the six-month period from July 1, 2021, through December 31, 2021, a total of 2,046.27 MG was discharged into the Brine Line. The SAWPA effluent represents a mixture of domestic and industrial wastewater, industrial brine, and brine from brackish groundwater treated by the desalters. The SMS is sampled by SAWPA weekly for BOD, TSS, and hardness.

Table 3.3 and Table 3.4 show the mass of pollutants as they were measured at SMS. The data is based on average daily flow. The quarterly average numbers for mg/L and lb/d are flow-weighted values.

Table 3.3. SAWPA Daily Average Concentration (mg/L) and Mass (lb/d) Measured from Weekly Sampling at OC San's SARI Metering Station, July – September 2021
Santa Ana Watershed Project Authority
Orange County Sanitation District, Resource Protection Division

Average Daily Flow in MGD	July 2021		August 2021		September 2021		Quarterly Average	
	12.1690		11.8362		11.7532		11.9195	
Pollutant	**mg/L**	**lb/d**	**mg/L**	**lb/d**	**mg/L**	**lb/d**	**mg/L**	**lb/d**
Arsenic	0.0050	0.5074	ND	****	0.0055	0.5391	0.0035	0.3479
Cadmium	ND	****	ND	****	ND	****	ND	****
Chromium	0.0230	2.3343	0.0105	1.0365	ND	****	0.0112	1.1101
Copper	ND	****	ND	****	0.0365	3.5778	0.0122	1.2095
Lead	ND	****	ND	****	ND	****	ND	****
Mercury	ND	****	ND	****	ND	****	ND	****
Nickel	0.0145	1.4716	ND	****	ND	****	0.0048	0.4805
Silver	0.0130	1.3194	0.0135	1.3326	0.0115	1.1272	0.0127	1.2592
Zinc	0.0190	1.9283	ND	****	0.0235	2.3035	0.0142	1.4083
Total Metals	**0.0745**	**7.5609**	**0.0240**	**2.3691**	**0.0770**	**7.5476**	**0.0585**	**5.8154**
BOD	32	3,209	21	2,058	32	3,094	28	2,809
TSS	92	9,314	64	6,310	99	9,667	86	8,525

ND = Not detected
**** = lb/d not calculated due to concentration less than detection limits (typical).

Table 3.4. SAWPA Daily Average Concentration (mg/L) and Mass (lb/d) Measured from Weekly Sampling at OC San's SARI Metering Station, October – December 2021
Santa Ana Watershed Project Authority
Orange County Sanitation District, Resource Protection Division

Average Daily Flow in MGD	October 2021		November 2021		December 2021		Quarterly Average	
	10.7463		10.8215		10.1198		10.5625	
Pollutant	**mg/L**	**lb/d**	**mg/L**	**lb/d**	**mg/L**	**lb/d**	**mg/L**	**lb/d**
Arsenic	ND	****	0.0047	0.4242	ND	****	0.0019	0.1656
Cadmium	ND	****	ND	****	ND	****	ND	****
Chromium	0.0105	0.9411	0.0305	2.7527	ND	****	0.0164	1.4447
Copper	0.0290	2.5991	0.0120	1.0830	0.0260	2.1944	0.0216	1.9028
Lead	ND	****	ND	****	ND	****	ND	****
Mercury	ND	****	ND	****	ND	****	ND	0.0016
Nickel	ND	****	ND	****	ND	****	ND	****
Silver	0.0125	1.1203	ND	****	ND	****	0.0050	0.4405
Zinc	0.0215	1.9269	0.0230	2.0758	0.0410	3.4604	0.0260	2.2904
Total Metals	**0.0735**	**6.5907**	**0.0702**	**6.3356**	**0.0670**	**5.6547**	**0.0709**	**6.2455**
BOD	44	3,971	28	2,485	35	2,919	36	3,127
TSS	96	8,611	122	10,976	132	11,176	116	10,244

ND = Not detected
**** = lb/d not calculated due to concentration less than detection limits (typical).

Appendix 1. Monitoring and Compliance Status Report

1st and 2nd Quarters
FY 2021/2022

APPENDIX 1

LIST OF SIGNIFICANT INDUSTRIAL USERS WITH MONITORING COMPLIANCE STATUS, JULY – DECEMBER 2021

ORANGE COUNTY SANITATION DISTRICT, RESOURCE PROTECTION DIVISION

Facility	Permit No.	Address	NAICS Code	Regulation	No. of Inspections	Agency Samples	SMR Samples	Pollutant(s) in Discharge Violation	SNC Status	Comment
3M ESPE Dental Products	Z-371301	2111 Mcgaw Ave, Irvine, CA 92614	339114	433.17(a), 467.16, 471.65(n), 471.65(q)	1	0	0			
9W Halo Western opCo, L.P.	1-600378	1575 N.Case St, Orange, CA 92867	812332	403.5(d)	2	10	2			Class 1 Permit Deactivated
A & G Electropolish	1-531422	18330 Ward St, Fountain Valley, CA 92708	332813	433.17(a)	3	10	4			
A & K Deburring and Tumbling, Inc.	1-511362	2008 S.Yale St, H Unit, Santa Ana, CA 92704	332812	403.5(d)	2	11	2			
A & R Powder Coating, Inc.	1-021088	1198 N.Grove St, B Unit, Anaheim, CA 92806	332812	433.17(a)	3	9	4			
Access Business Group, LLC	1-531435	5600 Beach Blvd, Buena Park, CA 90621	325412	439.47	2	12	9			
Accurate Circuit Engineering	1-011138	3019 Kilson Dr, Santa Ana, CA 92707	334412	433.17(a)	2	15	4			
Active Plating, Inc.	1-011115	1411 E.Pomona St, Santa Ana, CA 92705	332813	433.17(a)	2	15	31			
ADS Gold, Inc.	Z-321851	3843 E.Eagle Dr, Anaheim, CA 92807	331410	433.17(a)	1	0	0			
Advance-Tech Plating, Inc.	1-021389	1061 N.Grove St, Anaheim, CA 92806	332813	433.17(a)	7	20	28			
Air Industries Company, A PCC Company (Chapman)	1-031013	7100 Chapman Ave, Garden Grove, CA 92841	332722	403.5(d)	4	7	4			
Air Industries Company, A PCC Company (Knott)	1-531404	12570 Knott St, Garden Grove, CA 92841	332722	433.17(a), 471.65(e), 471.65(m), 471.65(n), 471.65(r), 471.65(s), 471.65(u), 471.65(w)	2	22	33	Chromium,Fluoride		
Alex C. Fergusson, LLC, A Zep Company	1-601167	8371 Monroe Ave, Stanton, CA 90680	325611	417.166, 417.176, 417.36	2	13	0			

APPENDIX 1

LIST OF SIGNIFICANT INDUSTRIAL USERS WITH MONITORING COMPLIANCE STATUS, JULY – DECEMBER 2021

ORANGE COUNTY SANITATION DISTRICT, RESOURCE PROTECTION DIVISION

Facility	Permit No.	Address	NAICS Code	Regulation	No. of Inspections	Agency Samples	SMR Samples	Pollutant(s) in Discharge Violation	SNC Status	Comment
Alexander Oil Company	1-581185	19065 Stewart St, Huntington Beach, CA 92648	211111	403.5(d)	2	0	0			
All Metals Processing of O.C., Inc.	1-031110	8401 Standustrial St, Stanton, CA 90680	332813	433.17(a)	2	19	10			
Alliance Medical Products, Inc.	1-541182	9342 Jeronimo Rd, Irvine, CA 92618	325412	439.47	2	27	5			
Allied Electronics Services, Inc.	1-011073	1342 E.Borchard Santa Ana, CA 92705	334412	433.17(a)	2	13	4			
Allied International	1-031107	6700 Caballero Blvd, Buena Park, CA 90620	325612	417.166, 417.176, 417.66, 417.86	2	18	2			
Alloy Die Casting, Co. dba ADC Aerospace	1-531437	6550 Caballero Blvd, Buena Park, CA 90620	331523	464.16(a), 464.16(c), 464.16(h), 464.46(a), 464.46(b), 464.46(d)	2	15	8	Zinc		Formerly listed as Alloy Die Casting Co.
Alloy Tech Electropolishing, Inc.	1-011036	2220 S.Huron Dr, Santa Ana, CA 92704	332812	433.17(a)	2	15	4	Molybdenum		
Alsco, Inc.	1-021656	1755 S.Anaheim Blvd, Anaheim, CA 92802	812331	403.5(d)	2	13	8			
Aluminum Forge - Div. of Alum. Precision	1-071035	502 E.Alton Ave, Santa Ana, CA 92707	332112	467.46	2	13	11			
Aluminum Precision Products, Inc. (Central)	1-011038	3132 W.Central Ave, Santa Ana, CA 92704	332112	467.45	2	10	5			
Aluminum Precision Products, Inc. (Susan)	1-011100	2621 S.Susan St, Santa Ana, CA 92704	332112	467.45, 467.46	2	10	8			
Aluminum Precision Products, Inc. (Warner)	1-511387	3323 W.Warner Ave, Santa Ana, CA 92704	332112	467.46	2	8	5			
Amerimax Building Products, Inc.	1-021102	1411 N.Daly St, Anaheim, CA 92806	332812	465.35	4	14	1	CN		
Ameripec, Inc.	1-031057	6965 Aragon Cir, Buena Park, CA 90620	312111	403.5(d)	2	8	0			
Anaheim Extrusion Co., Inc.	1-021168	1330 & 1340 N.Kraemer Blvd, Anaheim, CA 92806	331318	467.35(c)	5	12	6			
Anchen Pharmaceuticals, Inc. (Fairbanks)	1-541180	72 Fairbanks Irvine, CA 92618	325412	439.47	2	24	15			Class 1 Permit Deactivated

APPENDIX 1

LIST OF SIGNIFICANT INDUSTRIAL USERS WITH MONITORING COMPLIANCE STATUS, JULY – DECEMBER 2021

ORANGE COUNTY SANITATION DISTRICT, RESOURCE PROTECTION DIVISION

Facility	Permit No.	Address	NAICS Code	Regulation	No. of Inspections	Agency Samples	SMR Samples	Pollutant(s) in Discharge Violation	SNC Status	Comment
Anchen Pharmaceuticals, Inc. (Jeronimo)	1-541179	9601 Jeronimo Rd, Irvine, CA 92618	325412	439.47	2	26	15			Class 1 Permit Deactivated
Andres Technical Plating	1-521798	1055 Ortega Way, C Unit, Placentia, CA 92870	332813	433.17(a)	5	12	10	Chromium,Nickel		
AnoChem Coatings	1-600295	1102 East Washington Ave, Santa Ana, CA 92701	332813	433.17(a)	2	11	7	Nickel		
Anodyne, Inc.	1-511389	2230 S.Susan St, Santa Ana, CA 92704	332813	433.17(a)	2	13	15			
Anomil Ent. Dba Danco Metal Surfacing	1-011155	401 W.Rowland St, Santa Ana, CA 92707	332813	433.17(a)	2	13	10			
APCT Anaheim	1-600689	250 E.Emerson Ave, Orange, CA 92865	334112	433.17(a)	2	15	10			
APCT Orange County	1-600503	1900 Petra Ln, C Unit, Placentia, CA 92870	334412	433.17(a)	2	15	31			
ARO Service	1-021192	1186 N.Grove St, Anaheim, CA 92806	336411	433.17(a)	3	9	4	Copper,pH,Zinc		
Arrowhead Operating Inc.	1-601062	219 First St, Huntington Beach, CA 92648	211111	403.5(d)	2	11	2			

APPENDIX 1
LIST OF SIGNIFICANT INDUSTRIAL USERS WITH MONITORING COMPLIANCE STATUS, JULY – DECEMBER 2021
ORANGE COUNTY SANITATION DISTRICT, RESOURCE PROTECTION DIVISION

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Arrowhead Products Corporation	1-031137	4411 Katella Ave, Los Alamitos, CA 90720	336413	420.76, 420.96(c)(5), 471.35(a), 471.35(bb), 471.35(dd), 471.35(ff), 471.35(j), 471.35(l), 471.35(s), 471.35(t), 471.35(u), 471.35(v), 471.65(a), 471.65(i), 471.65(j), 471.65(m), 471.65(n), 471.65(p), 471.65(q), 471.65(s), 471.65(w), 471.65(x)	2	19	7			
Astech Engineered Products, Inc. (Bldg. 1 & 2)	1-571295	3030 Red Hill Ave, Santa Ana, CA 92705	336412	433.17(a)	2	15	4			
Astech Engineered Products, Inc. (Bldg. 2 Outside)	Z-371320	3030 Red Hill Ave, Santa Ana, CA 92705	336412	471.65(m), 471.65(n), 471.65(o), 471.65(p), 471.65(q)	1	0	0			
Auto-Chlor System of Washington, Inc.	1-511384	530 Goetz Ave, Santa Ana, CA 92707	325611	417.166	3	14	5	Copper		
Aviation Equipment Processing	1-071037	1571 MacArthur Blvd, Costa Mesa, CA 92626	336413	433.17(a)	3	9	4	Cadmium		
Avid Bioservices, Inc.	1-571332	14191 Myford Rd, Tustin, CA 92780	325414	439.17, 439.27	2	44	16	acetone		
B&B Enameling, Inc.	Z-331432	17591 Sampson Ln, Huntington Beach, CA 92647	332812	433.17(a)	0	0	0			
B. Braun Medical, Inc. (East/Main)	1-071054	2525 Mcgaw Ave, Irvine, CA 92614	325412	439.47, 463.26, 463.36	3	30	5			

APPENDIX 1
LIST OF SIGNIFICANT INDUSTRIAL USERS WITH MONITORING COMPLIANCE STATUS, JULY – DECEMBER 2021
ORANGE COUNTY SANITATION DISTRICT, RESOURCE PROTECTION DIVISION

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B. Braun Medical, Inc. (North/Alton)	1-600382	2206 Alton Pkwy, Irvine, CA 92614	325412	439.47	3	18	5			
B. Braun Medical, Inc. (West/Lake)	1-541183	2525 Mcgaw Ave, Irvine, CA 92614	325412	439.47, 463.16, 463.26, 463.36	3	29	5			
B/E Aerospace	Z-600654	3355 La Palma Ave, Anaheim, CA 92806	336413	433.17(a)	0	0	0			
Basic Electronics, Inc.	1-031094	11371 Monarch St, Garden Grove, CA 92841	334412	433.17(a)	5	11	4			
Bazz Houston Co.	1-031010	12700 Western Ave, Garden Grove, CA 92841	33211	403.5(d)	2	17	6			
Beckman Coulter, Inc.	1-521824	200 S.Kraemer Blvd, Brea, CA 92821	334516	433.17(a)	2	10	4			
Beo-Mag Plating	1-511370	3313 W.Harvard St, Santa Ana, CA 92704	332813	433.17(a)	2	10	15	CN		
Beverage Visions LLC (Anaheim)	1-601448	4940 E.Landon Dr, Anaheim, CA 92807	311421	403.5(d)	2	0	2			New Class 1 Permit Issued
Beverage Visions LLC (Yorba Linda)	1-601449	24855 Corbit Pl, Yorba Linda, CA 92887	31193	403.5(d)	6	31	6	pH		New Class 1 Permit Issued
Bimbo Bakeries U.S.A, Inc.	1-521838	500 S.Placentia Ave, Placentia, CA 92870	311812	403.5(d)	3	11	2			
Black Oxide Industries, Inc.	1-021213	1735 N.Orangethorpe Park, Anaheim, CA 92801	332812	433.17(a)	2	13	4			
Blue Lake Energy	1-521785	5837 Casson Dr, Yorba Linda, CA 92886	211111	403.5(d)	2	9	2			
Blue Ribbon Container and Display, Inc.	1-601468	5450 Dodds Ave, Buena Park, CA 90621	322211	403.5(d)	1	4	2			New Class 1 Permit Issued
Bodycote Thermal Processing	1-031120	7474 Garden Grove Blvd, Westminster, CA 92683	332811	403.5(d)	3	0	2			
Boeing Company (Graham)	1-111018	15400 Graham St, Huntington Beach, CA 92649	33641	433.17(a)	2	13	4			
Brasstech, Inc	1-600316	1301 E.Wilshire Ave, Santa Ana, CA 92705	332813	433.17(a)	3	9	4			

APPENDIX 1

LIST OF SIGNIFICANT INDUSTRIAL USERS WITH MONITORING COMPLIANCE STATUS, JULY – DECEMBER 2021

ORANGE COUNTY SANITATION DISTRICT, RESOURCE PROTECTION DIVISION

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Brea Power II, LLC	1-521837	1935 Valencia Ave, Brea, CA 92823	221112	403.5(d)	2	12	2			
Bridge Energy, LLC	1-600398	2744 Valencia Ave, Brea, CA 92821	211111	403.5(d)	2	9	3			
Bridgemark Corporation	1-521844	2930 E.Frontera St, A Unit, Anaheim, CA 92806	211111	403.5(d)	1	2	1			Class 1 Permit Deactivated
Brindle/Thomas - Bradley	1-531428	221 1st St, Huntington Beach, CA 92648	211111	403.5(d)	2	14	2			
Brindle/Thomas - Brooks & Kohlbush	1-531429	18462 Edwards St, Huntington Beach, CA 92648	211111	403.5(d)	2	14	2			
Brindle/Thomas - Catalina & Copeland	1-531430	18851 Stewart Ln, Huntington Beach, CA 92648	211111	403.5(d)	2	14	2			
Brindle/Thomas - Dabney & Patton	1-531427	19192 Stewart Ln, Huntington Beach, CA 92648	211111	403.5(d)	2	14	2			
Bristol Industries	1-021226	630 E.Lambert Rd, Brea, CA 92821	332722	433.17(a), 467.36(c), 471.35(dd), 471.35(ee), 471.35(ff), 471.35(i), 471.35(r), 471.35(s), 471.35(t), 471.35(u), 471.35(v)	2	22	64			
Brothers International Desserts (North)	1-600583	1682 Kettering St, Irvine, CA 92614	311520	403.5(d)	2	10	2			
Brothers International Desserts (West)	1-600582	1682 Kettering St, Irvine, CA 92614	311520	403.5(d)	2	10	2			
Burlington Engineering, Inc.	1-521770	220 W.Grove Ave, Orange, CA 92865	332811	433.17(a)	2	10	4			Class 1 Permit Deactivated
Cadillac Plating, Inc.	1-021062	1147 W.Struck Ave, Orange, CA 92867	332813	433.17(a)	5	24	32			

APPENDIX 1

LIST OF SIGNIFICANT INDUSTRIAL USERS WITH MONITORING COMPLIANCE STATUS, JULY – DECEMBER 2021

ORANGE COUNTY SANITATION DISTRICT, RESOURCE PROTECTION DIVISION

Facility	Permit No.	Address	NAICS Code	Regulation	No. of Inspections	Agency Samples	SMR Samples	Pollutant(s) in Discharge Violation	SNC Status	Comment
Cal-Aurum Industries, Inc.	1-111089	15632 Container Ln, Huntington Beach, CA 92649	332813	433.17(a)	2	15	10			
California Faucets	Z-331431	5271 Argosy Ave, Huntington Beach, CA 92649	332812	433.17(a)	0	0	0			
California Gasket and Rubber Corporation	1-521832	533 W.Collins Ave, Orange, CA 92867	339991	428.66(a)	2	6	2			
CalNRG Operating, LLC	1-601486	2930 E.Frontera St. Unit A St, Anaheim, CA 92806	211111	403.5(d)	1	5	2			New Class 1 Permit Issued
Cargill, Inc.	1-031060	600 N.Gilbert St, Fullerton, CA 92833	311225	403.5(d)	2	13	12			
Catalina Cylinders, A Div. of APP	1-031021	7300 Anaconda Ave, Garden Grove, CA 92841	331318	467.46	2	16	5	Chromium		
CD Video, Inc.	1-511076	12650 Westminster Ave, Garden Grove, CA 92843	334613	433.17(a)	1	11	9	Nickel		
Central Powder Coating	1-021189	593 Explorer St, Brea, CA 92821	332812	433.17(a)	2	5	4			
Chromadora, Inc.	1-511414	2515 S.Birch St, Santa Ana, CA 92707	332813	433.17(a)	3	11	10			
Circuit Technology, Inc.	1-521821	1911 N.Main St, Orange, CA 92865	334112	433.17(a)	4	18	4	Copper,pH		
City of Anaheim - Public Utilities Dept	1-021073	6751 E.Walnut Canyon Rd, Anaheim, CA 92807	221310	403.5(d)	2	7	29			
City Of Anaheim - Public Utilities Dept.	1-521862	1144 N.Kraemer Blvd, Anaheim, CA 92806	221112	403.5(d)	0	0	0			Class 1 Permit Deactivated
City of Anaheim Public Utilities (Water Services WRDF)	1-521843	210 S.Anaheim Blvd, Anaheim, CA 92805	221320	403.5(d)	2	5	0			
City of Anaheim, Canyon Power Plant	1-600296	3071 E.Miraloma Ave, Anaheim, CA 92806	221121	403.5(d)	2	11	1			
City of Huntington Beach Fire Department	1-111015	19081 Huntington St, Huntington Beach, CA 92648	211111	403.5(d)	2	2	2			

APPENDIX 1

LIST OF SIGNIFICANT INDUSTRIAL USERS WITH MONITORING COMPLIANCE STATUS, JULY – DECEMBER 2021

ORANGE COUNTY SANITATION DISTRICT, RESOURCE PROTECTION DIVISION

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City of Newport Beach (West Coast Hwy - Oil Extraction)	1-600584	5810 West Coast Hwy, Newport Beach, CA 92660	211111	403.5(d)	2	5	12			
City of Tustin - Maintenance Yard	1-071058	1472 Service Rd, Tustin, CA 92780	921190	403.5(d)	3	13	8	Zinc		
City of Tustin Water Service (17th St.)	1-071013	18602 E.17th St, Santa Ana, CA 92705	221310	403.5(d)	2	9	1			
City of Tustin, Water Service (Main St)	1-071268	235 E.Main St, Tustin, CA 92780	221310	403.5(d)	1	0	0			
CJ Foods Manufacturing Corp.	1-521849	500 State College Blvd, Fullerton, CA 92831	311824	403.5(d)	2	11	6			
CLA-VAL Co. Div. of Griswold Ind.	Z-361103	1701 Placentia Ave, Costa Mesa, CA 92627	332911	433.17(a)	0	0	0			
Coast to Coast Circuits, Inc.	1-111129	5332 Commercial St, Huntington Beach, CA 92649	334412	433.17(a)	2	15	32	Lead		
Coastline High Performance Coatings, LTD	1-600812	7181 Orangewood Ave, Garden Grove, CA 92841	332812	433.17(a)	3	2	1	Lead		
Coastline Metal Finishing Corp., A Division of Valence Surface Technologies	1-600708	7061 Patterson Dr, Garden Grove, CA 92841	332813	433.17(a)	2	13	4	CN		
Columbine Associates	1-521784	4660 San Antonio Rd, E. on B St Dir, Yorba Linda, CA 92886	211111	403.5(d)	3	9	2			
Continuous Coating Corporation	1-021290	520 W.Grove Ave, Orange, CA 92865	332812	433.17(a), 465.15	2	12	10			
Cooper and Brain, Inc.	1-031070	1390 Site Dr, Brea, CA 92821	211111	403.5(d)	2	12	3			
Corru-Kraft Buena Park	1-600806	6200 Caballero Blvd, Buena Park, CA 90620	322211	403.5(d)	2	8	6			
Corru-Kraft Fullerton	1-601450	1911 E.Rosslynn Ave, Fullerton, CA 92831	322211	403.5(d)	1	9	1			New Class 1 Permit Issued
CP-Carrillo, Inc. (Armstrong)	1-600920	17401 Armstrong Ave, Irvine, CA 92614	336310	433.17(a)	3	9	8			
CP-Carrillo, Inc. (McGaw)	1-571316	1902 McGaw Ave, Irvine, CA 92614	336310	403.5(d)	3	9	3			

APPENDIX 1

LIST OF SIGNIFICANT INDUSTRIAL USERS WITH MONITORING COMPLIANCE STATUS, JULY – DECEMBER 2021

ORANGE COUNTY SANITATION DISTRICT, RESOURCE PROTECTION DIVISION

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CPPG, Inc.	Z-321813	3911 E.Miraloma Ave, Anaheim, CA 92806	332813	433.17(a)	1	0	0			
Crest Coating, Inc.	1-021289	1361 S.Allec St, Anaheim, CA 92805	332812	433.17(a)	2	13	4			
CRH California Water, Inc.	1-011051	502 S.Lyon St, Santa Ana, CA 92701	312112	403.5(d)	1	5	2			
Custom Enamelers, Inc.	1-021297	18340 Mount Baldy Cir, Fountain Valley, CA 92708	332812	433.17(a)	2	13	4			
Cytec Engineered Materials, Inc.	Z-600005	1440 N.Kraemer Blvd, Anaheim, CA 92806	325520	433.17(a)	0	0	0			
D.F. Stauffer Biscuit Co., Inc.	1-600414	4041 W.Garry Ave, Santa Ana, CA 92704	311821	403.5(d)	3	8	2			
Dae Shin USA, Inc.	1-031102	610 N.Gilbert St, Fullerton, CA 92833	313310	403.5(d)	2	10	0			
DAH Oil, LLC	1-581173	18962 Stewart Ln, Huntington Beach, CA 92648	211111	403.5(d)	2	11	2			Class 1 Permit Deactivated
Darling Ingredients, Inc.	1-511378	2624 Hickory St, Santa Ana, CA 92707	562219	403.5(d)	2	13	3			Formerly listed as Darling International, Inc.
Data Aire, Inc. #2	1-021379	230 W.Blueridge Ave, Orange, CA 92865	332322	433.17(a)	2	11	3			
Data Electronic Services, Inc.	1-011142	410 Nantucket Pl, Santa Ana, CA 92703	334412	433.17(a)	2	13	31			
Data Solder, Inc.	1-521761	2915 Kilson Dr, Santa Ana, CA 92707	334412	433.17(a)	2	13	4			
Dayton Flavors, LLC	1-600038	580 S.Melrose Placentia, CA 92870	311930	403.5(d)	2	6	2			
DCOR, LLC	1-111013	4541 Heil Ave, Huntington Beach, CA 92649	211111	403.5(d)	2	15	4			
Derm Cosmetic Labs, Inc.	Z-600455	6370 Altura Blvd, Buena Park, CA 90620	325611	417.156, 417.166, 417.66, 417.86	0	0	0			
Diamond Environmental Services, LP	1-600244	1801 Via Burton None, B Unit, Fullerton, CA 92832	532490	403.5(d)	2	10	2			

ORANGE COUNTY SANITATION DISTRICT

APPENDIX 1
LIST OF SIGNIFICANT INDUSTRIAL USERS WITH MONITORING COMPLIANCE STATUS, JULY – DECEMBER 2021
ORANGE COUNTY SANITATION DISTRICT, RESOURCE PROTECTION DIVISION

Facility	Permit No.	Address	NAICS Code	Regulation	No. of Inspections	Agency Samples	SMR Samples	Pollutant(s) in Discharge Violation	SNC Status	Comment
DNR Industries, Inc.	Z-601019	1562 S.Anaheim Blvd, A&B Ste, Anaheim, CA 92805	811111	433.17(a)	0	0	0			
Dr. Smoothie Enterprises - DBA Bevolution Group	1-600131	1730 Raymer Ave, Fullerton, CA 92833	311930	403.5(d)	2	10	2			
DRS Network & Imaging Systems, LLC	1-531405	10600 Valley View St, Cypress, CA 90630	334413	469.18(a)	2	1	5			
DS Services of America	1-021393	1522 N.Newhope St, Santa Ana, CA 92703	312112	403.5(d)	2	11	2			
Ducommun Aerostructures, Inc.	1-021105	1885 N.Batavia St, Orange, CA 92865	336413	433.17(a)	2	12	14			
Dunham Metal Plating Inc.	1-601023	1764 N.Case St, Orange, CA 92865	332813	433.17(a)	3	20	10	Zinc		
Dunham Metal Processing	1-021325	936 N.Parker St, Orange, CA 92867	332813	433.17(a)	2	12	4			
E&B Natural Resources-Angus Petroleum Corporation	1-600254	1901 California St, Huntington Beach, CA 92648	211111	403.5(d)	2	9	4			
Earth Friendly Products	1-600739	11150 Hope St, Cypress, CA 90630	325611	417.166, 417.86	4	12	3			
Eco Pure LLC	1-601406	1920 Warner Ave, Suite 3-P , Santa Ana, CA 92705	812220	403.5(d)	2	7	1	pH		New Class 1 Permit Issued
EFT Fast Quality Service, Inc.	1-011064	2328 S.Susan St, Santa Ana, CA 92704	334112	433.17(a)	2	11	4	Nickel		
Electro Metal Finishing Corporation	1-021158	1194 N.Grove St, Anaheim, CA 92806	332812	433.17(a)	5	9	4			
Electrode Technologies, Inc. dba Reid Metal Finishing	1-511376	3110 W.Harvard St, Santa Ana, CA 92704	332813	433.17(a)	2	16	15	Cadmium,Chromium,Copper		
Electrolurgy, Inc.	1-071162	1121 Duryea Ave, Irvine, CA 92614	332813	433.17(a)	4	13	28	Cadmium		
Electron Plating Inc.	1-021336	13932 Enterprise Dr, Garden Grove, CA 92843	332813	433.17(a)	2	13	10			
Electronic Precision Specialties, Inc.	1-021337	537 Mercury Ln, Brea, CA 92821	332813	433.17(a)	2	15	10			

APPENDIX 1
LIST OF SIGNIFICANT INDUSTRIAL USERS WITH MONITORING COMPLIANCE STATUS, JULY – DECEMBER 2021
ORANGE COUNTY SANITATION DISTRICT, RESOURCE PROTECTION DIVISION

Facility	Permit No.	Address	NAICS Code	Regulation	No. of Inspections	Agency Samples	SMR Samples	Pollutant(s) in Discharge Violation	SNC Status	Comment
Embee Processing (Anodize)	1-600456	2148 S.Hathaway St, Santa Ana, CA 92705	332813	413.14(c), 413.54(c), 413.64(c), 433.17(a)	3	16	8	CN		
Embee Processing (Plate)	1-600457	2144 S.Hathaway St, Santa Ana, CA 92705	332813	413.14(c), 413.54(c), 413.64(c), 413.74(c), 433.17(a)	3	16	8			
Excello Circuits, Inc. (Hunter)	1-601356	5330 E.Hunter Ave, Anaheim, CA 92807	334412	433.17(a)	2	15	1			
Expo Dyeing and Finishing, Inc.	1-031322	1365 Knollwood Cir, Anaheim, CA 92801	313310	403.5(d)	2	10	0			
Fabrica International, Inc.	1-011278	3201 S.Susan St, Santa Ana, CA 92704	314110	403.5(d)	2	9	0			
Fabrication Concepts Corporation	1-011068	1800 E.St. Andrew Pl, Santa Ana, CA 92705	332114	433.17(a)	2	15	8			
Fineline Circuits & Technology, Inc.	1-021121	594 Apollo St, Brea, CA 92821	334412	433.17(a)	2	12	4			
FMH Aerospace Corp.	1-600585	17072 Daimler St, Irvine, CA 92614	332912	433.17(a), 467.16, 471.65(m), 471.65(n), 471.65(p), 471.65(q), 471.65(w)	2	18	37			
FujiFilm Irvine Scientific, Inc.	1-600977	2511 Daimler St, Santa Ana, CA 92705	325414	439.47	2	33	10			
Fullerton Custom Works, Inc.	Z-331424	1163 E.Elm Ave, Fullerton, CA 92831	332813	433.17(a)	1	0	0			
Gallade Chemical, Inc.	1-011257	1230 E.Saint Gertrude Pl, Santa Ana, CA 92707	422690	403.5(d)	2	9	2			
Gemini Industries, Inc.	1-071172	2311 S.Pullman St, Santa Ana, CA 92705	331492	415.26, 421.266(b), 421.266(e), 421.266(i), 421.266(j), 421.266(m), 421.266(n)	3	12	9	pH		Class 1 Permit Deactivated

ORANGE COUNTY SANITATION DISTRICT

APPENDIX 1
LIST OF SIGNIFICANT INDUSTRIAL USERS WITH MONITORING COMPLIANCE STATUS, JULY – DECEMBER 2021
ORANGE COUNTY SANITATION DISTRICT, RESOURCE PROTECTION DIVISION

Facility	Permit No.	Address	NAICS Code	Regulation	No. of Inspections	Agency Samples	SMR Samples	Pollutant(s) in Discharge Violation	SNC Status	Comment
Gemtech Coatings	Z-600544	2737 S.Garnsey St, Santa Ana, CA 92707	332812	433.17(a)	0	0	0			
GKN Aerospace Transparency Systems	1-531401	12122 Western Ave, Garden Grove, CA 92841	336413	403.5(d)	2	10	2			
Gomtech Electronics, Inc.	1-021352	990 N.Enterprise St, M Unit, Orange, CA 92867	334412	433.17(a)	2	2	1			Class 1 Permit Deactivated
Goodwin Company	1-031043	12361 Monarch St, Garden Grove, CA 92841	325611	403.5(d)	3	23	8			
Graphic Packaging International, Inc.	1-571314	1600 Barranca Pkwy, Irvine, CA 92606	322212	403.5(d)	2	10	2			
Harbor Truck Bodies, Inc.	1-021286	255 Voyager Ave, Brea, CA 92821	336370	433.17(a)	2	15	10			
Harry's Dye & Wash, Inc.	1-521746	1015 E.Orangethorpe Ave, Anaheim, CA 92801	313310	403.5(d)	2	9	6			
Hartwell Corporation	1-021381	900 Richfield Rd, Placentia, CA 92870	332999	403.5(d)	2	16	4	O&G min.		
Hellman Properties, LLC	1-600273	1650 Adolfo Lopez Dr, Seal Beach, CA 90740	211111	403.5(d)	2	8	3			
Hi Tech Solder	1-521790	700 Monroe Way, Placentia, CA 92870	334412	433.17(a)	2	11	30			
Hightower Plating & Manufacturing Co.	1-021185	2090 N.Glassell Orange, CA 92865	332813	433.17(a)	3	17	10	Cadmium		
Hixson Metal Finishing	1-061115	829 & 835 Production Pl, Newport Beach, CA 92663	332813	433.17(a)	3	21	30			
House Foods America Corporation (East)	1-600906	7351 Orangewood Ave, Garden Grove, CA 92841	311991	403.5(d)	3	11	0	pH		
House Foods America Corporation (West)	1-031072	7351 Orangewood Ave, Garden Grove, CA 92841	311224	403.5(d)	2	10	0			

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ORANGE COUNTY SANITATION DISTRICT

APPENDIX 1
LIST OF SIGNIFICANT INDUSTRIAL USERS WITH MONITORING COMPLIANCE STATUS, JULY – DECEMBER 2021
ORANGE COUNTY SANITATION DISTRICT, RESOURCE PROTECTION DIVISION

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Howmet Global Fastening Systems Inc.	1-021081	800 S.State College Blvd, Fullerton, CA 92831	332722	433.15(a), 433.17(a), 467.46, 471.65(i), 471.65(j), 471.65(m), 471.65(n), 471.65(o), 471.65(p), 471.65(q), 471.65(r), 471.65(s), 471.65(w), 471.65(x)	2	29	17	pH		
Hyatt Die Casting & Engineering Corp.	Z-331236	4656 Lincoln Ave, Cypress, CA 90630	331523	464.16(a), 464.16(c)	0	0	0			
Ideal Anodizing, Inc.	1-021041	1250 & 1270 N.Blue Gum St, Anaheim, CA 92806	332813	433.17(a)	2	14	4			
Ikon Powder Coating, Inc.	1-521756	1375 N.Miller St, Anaheim, CA 92806	332812	433.17(a)	3	9	4			
Image Technology, Inc.	1-521755	1380 N.Knollwood Cir, Anaheim, CA 92801	325611	417.86	2	0	0			
Imuraya USA, Inc.	1-541178	2502 Barranca Pkwy, Irvine, CA 92606	311520	403.5(d)	2	10	2			
Independent Forge Company	Z-601008	692 N.Batavia St, Orange, CA 92868	332112	467.45	1	0	0			
Industrial Coating, INC	Z-601061	2990 E.Blue Star St, Anaheim, CA 92806	332812	433.17(a)	0	0	0			
Industrial Metal Finishing, Inc.	1-521828	1941 Petra Ln, Placentia, CA 92870	332813	403.5(d)	2	8	3			
Intec Products, Inc.	1-021399	1145 N.Grove St, Anaheim, CA 92806	314999	403.5(d)	2	6	2			
Integral Aerospace, LLC	1-600243	2036 E.Dyer Rd, Santa Ana, CA 92705	336413	433.17(a)	2	11	13			
International Paper Company (Anaheim)	1-521820	601 E.Ball Rd, Anaheim, CA 92805	322211	403.5(d)	2	12	4			
International Paper Company (Buena Park Bag)	1-531419	6485 Descanso Ave, Buena Park, CA 90620	322224	403.5(d)	2	8	3			

APPENDIX 1
LIST OF SIGNIFICANT INDUSTRIAL USERS WITH MONITORING COMPLIANCE STATUS, JULY – DECEMBER 2021
ORANGE COUNTY SANITATION DISTRICT, RESOURCE PROTECTION DIVISION

Facility	Permit No.	Address	NAICS Code	Regulation	No. of Inspections	Agency Samples	SMR Samples	Pollutant(s) in Discharge Violation	SNC Status	Comment
International Paper Company (Buena Park Container)	1-031171	6211 Descanso Ave, Buena Park, CA 90620	322211	403.5(d)	2	6	2			
Irvine Ranch Water District (Wells 21/22 Desalter)	1-571327	1221 Edinger Ave, Tustin, CA 92780	221310	403.5(d)	2	6	2			
Irvine Ranch Water District - DATS	1-011075	1704 W.Segerstrom Ave, Santa Ana, CA 92704	221310	403.5(d)	2	8	2			
IsoTis OrthoBiologics, Inc.	1-601134	2 Goodyear None, Irvine, CA 92618	339112	403.5(d)	2	5	1			
J & R Metal Finishing Co.	1-521823	307 N.Euclid Way, H1 Bldg, Anaheim, CA 92801	332812	403.5(d)	2	10	3			
J&J Marine Acquisition Co., LLC	1-551152	151 Shipyard Way, 7 Unit, Newport Beach, CA 92663	336611	403.5(d)	2	7	3			
JD Processing, Inc. (East)	1-511407	2220 Cape Cod Way, Santa Ana, CA 92703	332813	433.17(a)	2	17	10			
JD Processing, Inc. (West)	1-600978	2310 Cape Cod Way, Santa Ana, CA 92703	332813	433.17(a)	0	0	0			New Class 1 Permit Issued
Jellco Container, Inc.	1-021402	1151 N.Tustin Ave, Anaheim, CA 92807	322212	403.5(d)	2	10	3			
JOHN A. THOMAS - BOLSA OIL	1-031065	18701 Edwards St, Huntington Beach, CA 92648	211111	403.5(d)	2	15	4			
Joint Forces Training Base, Los Alamitos	1-031270	Orangewood Gate, Northwest Corner of the Base Los Alamitos, CA 90720	928110	403.5(d)	2	11	1			
Kenlen Specialities, Inc.	1-021171	11691 Coley River Cir, Fountain Valley, CA 92708	332812	433.17(a)	2	13	4			
Kinsbursky Brothers Supply, Inc.	1-021424	1314 N.Anaheim Blvd, Anaheim, CA 92801	423930	403.5(d)	2	6	3			
Kirkhill, Inc. (North)	1-600608	300 E.Cypress St, Brea, CA 92821	339991	428.76(a)	2	13	4			

APPENDIX 1
LIST OF SIGNIFICANT INDUSTRIAL USERS WITH MONITORING COMPLIANCE STATUS, JULY – DECEMBER 2021
ORANGE COUNTY SANITATION DISTRICT, RESOURCE PROTECTION DIVISION

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Kirkhill, Inc. (South)	1-600609	300 E.Cypress St, Brea, CA 92821	339991	428.76(a)	2	11	4			
Kraft Heinz Company	1-071056	2450 White Rd, Irvine, CA 92614	311941	403.5(d)	4	12	2			
Kryler Corporation	1-021428	1217 E.Ash Ave, Fullerton, CA 92831	332813	413.14(b), 413.14(f), 433.17(a), 433.17(b)	2	17	4			
Kyocera Precision Tools, Inc.	1-511385	3565 Cadillac Ave, Costa Mesa, CA 92626	333515	403.5(d)	2	9	3			
La Habra Bakery	1-031029	850 S.Cypress St, La Habra, CA 90631	311812	403.5(d)	2	10	6			
La Habra Plating Company	Z-331399	900 S.Cypress La Habra, CA 90631	332813	433.17(a)	0	0	0			
LGM Subsidiary Holdings LLC	1-601313	17802 Gillette Ave, Irvine, CA 92614	325412	439.47	2	27	10	acetone		
Lightning Diversion Systems LLC	1-600338	16572 Burke Ln, Huntington Beach, CA 92647	334412	433.17(a)	2	11	4			
Linco Industries, Inc.	1-021253	528 S.Central Park Ave, West Dir, Anaheim, CA 92802	332812	433.17(a)	4	22	12	Cadmium,CN,Lead,pH,Zinc		
LM Chrome Corporation	1-511361	654 Young St, Santa Ana, CA 92705	332813	433.17(a)	2	13	10	CN		
Logi Graphics, Inc.	1-031049	17592 Metzler Ln, Huntington Beach, CA 92647	334412	433.17(a)	2	9	3	Copper		
M.S. Bellows	1-111007	5322 Mcfadden Ave, Huntington Beach, CA 92649	332813	433.17(a)	2	11	4			
Magma Finishing Corp.	Z-321810	2294 N.Batavia St, D Ste, Orange, CA 92865	332813	433.17(a)	1	0	0			
Magnetic Metals Corporation	1-531391	2475 W.La Palma Ave, Anaheim, CA 92801	334416	433.17(a)	2	11	4			
Manufactured Packaging Products	1-521793	3200 Enterprise St, Brea, CA 92821	322211	403.5(d)	2	12	3			
Manufactured Packaging Products (MPP Fullerton)	1-021681	1901 E.Rosslynn Ave, Fullerton, CA 92831	322211	403.5(d)	2	7	4			

APPENDIX 1
LIST OF SIGNIFICANT INDUSTRIAL USERS WITH MONITORING COMPLIANCE STATUS, JULY – DECEMBER 2021
ORANGE COUNTY SANITATION DISTRICT, RESOURCE PROTECTION DIVISION

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Markland Manufacturing, Inc.	1-011046	1111 E.McFadden Ave, Santa Ana, CA 92705	332813	433.17(a)	5	30	14			
Maruchan, Inc. (Deere)	1-071024	1902 Deere Ave, Irvine, CA 92606	311824	403.5(d)	2	3	2			
Maruchan, Inc. (Deere-South)	1-601021	1902 Deere Ave, Irvine, CA 92606	311824	403.5(d)	3	4	2			
Maruchan, Inc. (Laguna Cyn)	1-141015	15800 Laguna Canyon Rd, Irvine, CA 92618	311824	403.5(d)	2	5	4			
Marukome USA, Inc.	1-141023	17132 Pullman St, Irvine, CA 92614	311991	403.5(d)	3	10	2			
Master Wash, Inc.	1-511399	3120 Kilson St, Santa Ana, CA 92707	811192	403.5(d)	2	7	2			
McKenna Labs, Inc.	1-021422	1601 E.Orangethorpe Ave, Fullerton, CA 92831	325620	417.86	2	10	4			
MCP Foods, Inc.	1-021029	424 S.Atchison St, Anaheim, CA 92805	311942	403.5(d)	2	17	0			
Meggitt (Orange County), Inc.	1-601115	4 Marconi None, Irvine, CA 92618	334519	433.17(a)	2	7	10			
Merical, LLC	1-600655	233 E.Bristol Ln, Orange, CA 92865	325412	439.47	2	14	5			
Mesa Water District	1-061007	1350 Gisler Ave, Costa Mesa, CA 92626	221310	403.5(d)	2	12	4			
Micro Precision Swiss, LLC	Z-601490	3233 W.Harvard St, Santa Ana, CA 92704	339113	433.17(a)	0	0	0			New Zero Discharge Certification Issued
Micrometals, Inc.	1-021153	5615 E.La Palma Ave, Anaheim, CA 92807	334416	471.105(e)	2	11	3			
MTC Corp	1-600443	11161 Slater Ave, Fountain Valley, CA 92708	336111	426.66	2	9	1			Formerly Listed as Gaffoglio Family Metalcrafters
Murrietta Circuits	1-521811	5000 E.Landon St, Anaheim, CA 92807	334418	433.17(a)	2	13	4			
Nalco Water Pretreatment Solutions, LLC	1-521748	1961 Petra Ln, Placentia, CA 92870	561990	403.5(d)	2	11	2			

APPENDIX 1
LIST OF SIGNIFICANT INDUSTRIAL USERS WITH MONITORING COMPLIANCE STATUS, JULY – DECEMBER 2021
ORANGE COUNTY SANITATION DISTRICT, RESOURCE PROTECTION DIVISION

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National Construction Rentals	1-600652	1550 E.Chestnut Ave, Santa Ana, CA 92701	562991	403.5(d)	2	12	2			
Neutron Plating, Inc.	Z-321812	2993 E.Blue Star St, Anaheim, CA 92806	332812	433.17(a)	1	0	0			
Newlight Technologies, Inc.	1-600888	14382 Astronautics Ln, Huntington Beach, CA 92647	325211	403.5(d)	2	20	3			
Newport Corporation	1-071038	1791 Deere Ave, Irvine, CA 92606	334516	403.5(d)	2	8	1			
Newport Fab, LLC dba Tower Semiconductor Newport Beach, Inc.	1-571292	4321 Jamboree Rd, Newport Beach, CA 92660	334413	469.18(a)	2	12	1			Formerly listed as Newport Fab, LLC (dba TowerJazz Semiconductor)
Nobel Biocare USA, LLC	1-521801	22725 Savi Ranch Pkwy, Yorba Linda, CA 92887	339114	433.17(a)	2	12	4			
Nor-Cal Beverage Co., Inc. (Main)	1-021284	1226 N.Olive St, Anaheim, CA 92801	312111	403.5(d)	3	11	0			
Nor-Cal Beverage Co., Inc. (NCB)	1-021283	1226 N.Olive St, Anaheim, CA 92801	312111	403.5(d)	0	0	0			
O'Donnell Oil Company, LLC	1-581191	7800 Palin Cir, Huntington Beach, CA 92648	211111	403.5(d)	2	0	0			
O.C. Waste & Recycling	1-141018	20661 Newport Coast Dr, Newport Beach, CA 92657	562910	403.5(d)	2	10	6			
Oakley, Inc.	1-141012	1 Icon Foothill Ranch, CA 92610	339115	463.16, 463.26, 463.36	2	0	0			
Omni Metal Finishing, Inc.	1-021520	11665 Coley River Cir, Fountain Valley, CA 92708	332813	433.17(a)	2	16	10			
Omni Metal Finishing, Inc. (Building 4)	1-600981	11639 Coley River Cir, Fountain Valley, CA 92708	332813	433.17(a)	2	11	4			
Only Cremations for Pets (Newport Beach)	1-601084	4263 Birch St, B Ste, Newport Beach, CA 92660	812220	403.5(d)	2	7	2			

APPENDIX 1

LIST OF SIGNIFICANT INDUSTRIAL USERS WITH MONITORING COMPLIANCE STATUS, JULY – DECEMBER 2021

ORANGE COUNTY SANITATION DISTRICT, RESOURCE PROTECTION DIVISION

Facility	Permit No.	Address	NAICS Code	Regulation	No. of Inspections	Agency Samples	SMR Samples	Pollutant(s) in Discharge Violation	SNC Status	Comment
Only Cremations for Pets (Stanton)	1-601085	8101 Monroe Ave, Stanton, CA 90680	812220	403.5(d)	2	7	2			
Orange County Chemical Supply, Inc.	1-600766	10680 Fern Ave, Stanton, CA 90680	325611	417.86	3	12	2	O&G min.		
Ortronics, Inc.	Z-601203	1443 S.Sunkist St, Anaheim, CA 92806	332999	433.17(a)	0	0	0			
Pacific Chrome Services	Z-311396	603 E.Alton Ave, F Ste, Santa Ana, CA 92705	332813	433.17(a)	1	0	0			
Pacific Image Technology, Inc.	1-021070	1875 S.Santa Cruz St, Anaheim, CA 92805	334112	433.17(a)	2	14	4			
Pacific Western Container	1-511371	4044 W.Garry Ave, Santa Ana, CA 92704	322211	403.5(d)	2	10	2	Molybdenum		
Parker Hannifin Corporation	Z-600979	14300 Alton Pkwy, Irvine, CA 92618	332912	433.17(a)	0	0	0			
Patriot Wastewater, LLC (Freedom CWT)	1-521861	314 W.Freedom Ave, Orange, CA 92865	562219	437.47(b)	2	26	18	4-Methylphenol		
Patriot Wastewater, LLC (Freedom Non-CWT)	1-600147	314 W.Freedom Ave, Orange, CA 92865	562219	403.5(d)	3	11	6			
Performance Powder, Inc.	1-521805	2920 E.La Jolla St, Anaheim, CA 92806	332812	433.17(a)	2	20	0			
Petroprize Corporation	1-581180	319 20th St, Huntington Beach, CA 92648	211111	403.5(d)	2	9	2			
Pier Oil Company, Inc.	1-581178	201 2nd St, Huntington Beach, CA 92648	211111	403.5(d)	2	9	2			
Pioneer Circuits, Inc.	1-011262	3010 S.Shannon St, Santa Ana, CA 92704	334412	433.17(a)	2	11	10			
Platinum Surface Coating, Inc.	1-521852	1173 N.Fountain Way, Anaheim, CA 92806	332813	433.17(a)	4	9	6			
Plegel Oil Company (Blattner/Joe Johnson)	1-521864	900 Mammoth Way, Placentia, CA 92870	211111	403.5(d)	2	8	2			
Plegel Oil Company - (A.H.A.)	1-021176	16801 Rumson St, Yorba Linda, CA 92886	211111	403.5(d)	2	8	2			
Porter Powder Coating, Inc.	Z-321817	510 S.Rose St, Anaheim, CA 92805	332812	433.17(a)	0	0	0			
Powdercoat Professionals Inc.	Z-600275	2905 E.Blue Star St, Anaheim, CA 92806	332812	433.17(a)	1	0	0			

ORANGE COUNTY SANITATION DISTRICT

APPENDIX 1
LIST OF SIGNIFICANT INDUSTRIAL USERS WITH MONITORING COMPLIANCE STATUS, JULY – DECEMBER 2021
ORANGE COUNTY SANITATION DISTRICT, RESOURCE PROTECTION DIVISION

Facility	Permit No.	Address	NAICS Code	Regulation	No. of Inspections	Agency Samples	SMR Samples	Pollutant(s) in Discharge Violation	SNC Status	Comment
Powdercoat Services, LLC (Bldg E / Plant 1)	1-600167	307 N.Euclid Way, E Bldg, Anaheim, CA 92801	332812	433.17(a)	3	9	4			
Powdercoat Services, LLC (Bldg J / Plant 3)	1-600168	237 N.Euclid Way, J Bldg, Anaheim, CA 92801	332812	433.17(a)	3	11	4			
PowderCoat Services, LLC. Plant 5	1-600355	1747 W.Lincoln Ave, L1 Unit, Anaheim, CA 92801	332812	433.17(a)	3	9	5			
Power Distribution, Inc.	1-511400	4011 W.Carriage Dr, Santa Ana, CA 92704	335311	403.5(d)	2	10	4			
Powerdrive Oil & Gas Company, LLC (2nd)	1-600248	120 2nd St, Huntington Beach, CA 92648	211111	403.5(d)	2	10	2			
Precious Metals Plating Co., Inc.	1-011265	2635 Orange Ave, Santa Ana, CA 92707	332813	433.17(a)	2	16	7			
Precision Anodizing & Plating, Inc.	1-521809	1601 N.Miller St, Anaheim, CA 92806	332813	433.17(a)	2	14	10			
Precision Circuits West, Inc.	1-011008	3310 W.Harvard St, Santa Ana, CA 92704	334412	433.17(a)	2	13	4			
Precision Resource, California Division	1-111002	5803 Engineer St, Huntington Beach, CA 92649	332710	403.5(d)	2	10	4			
Precon, Inc.	1-021581	3131 E.La Palma Ave, Anaheim, CA 92806	332721	403.5(d)	2	12	10			
Prima-Tex Industries Inc.	1-031036	6237 Descanso Cir, Buena Park, CA 90620	313310	403.5(d)	2	8	2			
Prudential Overall Supply	1-071235	16901 Aston St, Irvine, CA 92606	812332	403.5(d)	2	13	4			
Pulmuone Foods USA, Inc. (East)	1-601443	2315 Moore Ave, Fullerton, CA 92833	311991	403.5(d)	1	6	0			New Class 1 Permit Issued
Pulmuone Foods USA, Inc. (West)	1-531397	2315 Moore Ave, Fullerton, CA 92833	311991	403.5(d)	1	5	0			Class 1 Permit Deactivated
Q-Flex Inc.	1-600337	1301 E.Hunter Ave, Santa Ana, CA 92705	334418	433.17(a)	4	11	4	Copper		
Quality Aluminum Forge, LLC (Cypress North)	1-521833	814 N.Cypress St, Orange, CA 92867	332112	467.45	2	12	3			

APPENDIX 1
LIST OF SIGNIFICANT INDUSTRIAL USERS WITH MONITORING COMPLIANCE STATUS, JULY – DECEMBER 2021
ORANGE COUNTY SANITATION DISTRICT, RESOURCE PROTECTION DIVISION

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Quality Aluminum Forge, LLC (Cypress South)	1-600272	794 N.Cypress St, Orange, CA 92867	332112	467.46	2	14	5			
Quikturn Professional Screenprinting	1-521858	567 S.Melrose St, Placentia, CA 92870	333249	403.5(d)	2	10	2			
Rayne Dealership Corporation	1-571303	17835 Sky Park Cir, M Ste, Irvine, CA 92614	454390	403.5(d)	2	10	1			
RBC Transport Dynamics Corp.	1-011013	3131 W.Segerstrom Ave, Santa Ana, CA 92704	336413	433.17(a)	2	11	10	Cadmium,Total Toxic Organics [§433.11e],Zinc		
Republic Waste Services	1-521827	2727 Coronado St, Anaheim, CA 92806	56211	403.5(d)	2	6	0			
Republic Waste Services of So. Cal., LLC	1-021169	1235 N.Blue Gum St, Anaheim, CA 92806	562111	403.5(d)	2	7	0			Class 1 Permit Deactivated
Rich Products Corporation (North)	1-601022	3401 W.Segerstrom Ave, Santa Ana, CA 92704	311812	403.5(d)	2	8	2			
Rich Products Corporation (South)	1-511404	3401 W.Segerstrom Ave, Santa Ana, CA 92704	311812	403.5(d)	2	9	2			
Rigiflex Technology, Inc.	1-021187	1166 N.Grove St, Anaheim, CA 92806	334418	433.17(a)	3	17	4	Copper		
Robinson Pharma, Inc. (Croddy)	1-511413	2632 S.Croddy Way, Santa Ana, CA 92704	325411	439.47	2	0	0			
Robinson Pharma, Inc. (Harbor North)	1-600126	2811 S.Harbor Blvd, Santa Ana, CA 92704	325412	439.47	2	10	13			
Robinson Pharma, Inc. (Harbor South)	1-511412	3330 S.Harbor Blvd, Santa Ana, CA 92704	325411	439.47	2	16	12			
Rolls-Royce HTC	1-600212	5730 Katella Ave, Cypress, CA 90630	541712	403.5(d)	3	6	1			
Rolls-Royce HTC (fume scrubber)	1-600213	5730 Katella Ave, Cypress, CA 90630	541712	403.5(d)	2	6	1			
Rountree / Wright Enterprises, LLC	1-111028	114 14th St, 12&14/113 LotBlk, Huntington Beach, CA 92648	211111	403.5(d)	2	9	2			
RP Finishing	Z-601358	1226 E.Ash Ave, Fullerton, CA 92831	332812	433.17(a)	0	0	0			

APPENDIX 1
LIST OF SIGNIFICANT INDUSTRIAL USERS WITH MONITORING COMPLIANCE STATUS, JULY – DECEMBER 2021
ORANGE COUNTY SANITATION DISTRICT, RESOURCE PROTECTION DIVISION

Facility	Permit No.	Address	NAICS Code	Regulation	No. of Inspections	Agency Samples	SMR Samples	Pollutant(s) in Discharge Violation	SNC Status	Comment
RSS Manufacturing	Z-600635	1275 Logan Ave, Costa Mesa, CA 92626	332913	433.17(a)	0	0	0			
S & C Oil Co., Inc. (1)	1-581175	18742 Goldenwest St, Huntington Beach, CA 92649	211111	403.5(d)	2	10	1			Formerly listed as S & C Oil Co., Inc.
Safety-Kleen Systems, Inc.	1-600690	2170 S.Yale St, Santa Ana, CA 92704	562211	403.5(d)	2	8	2			
Safran Electronics & Defense, Avionics USA, LLC.	1-571304	3184 Pullman St, Costa Mesa, CA 92626	335931	403.5(d)	2	11	4			
Sanitor Corporation	1-601267	8400 Cerritos Ave, Stanton, CA 90680	325620	417.86, 439.47	2	16	11			
Sanmina Corporation (Airway)	1-061008	2955 Airway Ave, Costa Mesa, CA 92626	334412	433.17(a)	2	15	10			
Sanmina Corporation (Redhill)	1-061009	2950 Red Hill Ave, Costa Mesa, CA 92626	334412	433.17(a)	2	15	10			
Santana Services	1-021016	1224 E.Ash Ave, Fullerton, CA 92831	332813	433.17(a)	2	9	4	Chromium		
Schreiber Foods, Inc.	1-021049	1901 Via Burton None, Fullerton, CA 92831	311511	403.5(d)	1	0	0			Class 1 Permit Deactivated
Scientific Spray Finishes, Inc.	1-031311	315 S.Richman Ave, Fullerton, CA 92832	332812	433.17(a)	2	13	4			
Semicoa	1-571313	333 Mccormick Ave, Costa Mesa, CA 92626	334413	469.18(a)	2	12	5			
Serrano Water District	1-021137	5454 Taft Ave, Orange, CA 92867	221310	403.5(d)	2	0	1			
SFPP, LP	1-021619	1350 N.Main St, Orange, CA 92867	493190	403.5(d)	2	0	2			
Shepard Bros., Inc.	1-031034	503 S.Cypress St, La Habra, CA 90631	325611	417.166, 417.176	2	19	2			
Shur-Lok Company	1-600297	2541 White Rd, Irvine, CA 92614	332721	433.17(a)	2	0	0			
Simply Fresh, LLC	1-600709	6535 Caballero Blvd, Buena Park, CA 90620	311421	403.5(d)	2	8	6			
Sirco Industrial, Inc.	1-600706	5312 System Dr, Huntington Beach, CA 92649	423830	403.5(d)	2	11	5			

APPENDIX 1
LIST OF SIGNIFICANT INDUSTRIAL USERS WITH MONITORING COMPLIANCE STATUS, JULY – DECEMBER 2021
ORANGE COUNTY SANITATION DISTRICT, RESOURCE PROTECTION DIVISION

Facility	Permit No.	Address	NAICS Code	Regulation	No. of Inspections	Agency Samples	SMR Samples	Pollutant(s) in Discharge Violation	SNC Status	Comment
Soldermask, Inc.	1-031341	17905 Metzler Ln, Huntington Beach, CA 92647	334412	433.17(a)	2	13	10			
South Coast Baking, LLC	1-600565	1711 Kettering St, Irvine, CA 92614	311821	403.5(d)	3	12	2			
South Coast Circuits, Inc. (Bldg 3500 A)	1-011069	3500 W.Lake Center Dr, A Bldg, Santa Ana, CA 92704	334412	433.17(a)	0	0	3			Class 1 Permit Deactivated
South Coast Circuits, Inc. (Bldg 3500 Ste A)	1-601444	3500 W.Lake Center Dr, A Bldg, Santa Ana, CA 92704	334412	433.17(a)	1	8	7			New Class 1 Permit Issued
South Coast Circuits, Inc. (Bldg 3506 A)	1-011030	3506 W.Lake Center Dr, A Bldg, Santa Ana, CA 92704	334412	433.17(a)	0	0	1			Class 1 Permit Deactivated
South Coast Circuits, Inc. (Bldg 3506 Ste A)	1-601446	3506 W.Lake Center Dr, A Bldg, Santa Ana, CA 92704	334412	433.17(a)	1	12	3			New Class 1 Permit Issued
South Coast Circuits, Inc. (Bldg 3512 A)	1-511365	3512 W.Lake Center Dr, A Bldg, Santa Ana, CA 92704	334412	433.17(a)	0	0	3			Class 1 Permit Deactivated
South Coast Circuits, Inc. (Bldg 3512 Ste A)	1-601445	3512 W.Lake Center Dr, A Bldg, Santa Ana, CA 92704	334412	433.17(a)	1	8	7			New Class 1 Permit Issued
South Coast Circuits, Inc. (Bldg 3524 A)	1-011054	3524 W.Lake Center Dr, A Bldg, Santa Ana, CA 92704	334412	433.17(a)	1	3	1			Class 1 Permit Deactivated
South Coast Circuits, Inc. (Bldg 3524 Ste A)	1-601447	3524 W.Lake Center Dr, A Bldg, Santa Ana, CA 92704	334412	433.17(a)	1	8	3			New Class 1 Permit Issued
South Coast Water	1-511405	401 S.Santa Fe St, Santa Ana, CA 92705	333318	403.5(d)	2	10	3			
Southern California Edison #1 (Mt)	1-031014	7301 Fenwick Ln, Westminster, CA 92683	811310	403.5(d)	2	9	1			
Southern California Edison #2 (Das)	1-031015	7351 Fenwick Ln, Westminster, CA 92683	811310	403.5(d)	2	9	1			
Southern California Edison #3 (Lars)	1-031016	7455 Fenwick Ln, Westminster, CA 92683	811310	403.5(d)	2	9	1			

ORANGE COUNTY SANITATION DISTRICT

APPENDIX 1
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ORANGE COUNTY SANITATION DISTRICT, RESOURCE PROTECTION DIVISION

Facility	Permit No.	Address	NAICS Code	Regulation	No. of Inspections	Agency Samples	SMR Samples	Pollutant(s) in Discharge Violation	SNC Status	Comment
Spectrum Paint And Powder, Inc.	Z-321822	1332 S.Allec St, Anaheim, CA 92805	332812	433.17(a)	1	0	0			
Speedy Metals, Inc. DBA Pacific Metal Cutting	1-600767	730 Monroe Way, Placentia, CA 92870	332710	403.5(d)	3	12	4			
SPS Technologies LLC, DBA Cherry Aerospace	1-511381	1224 E.Warner Ave, Santa Ana, CA 92705	332722	433.17(a), 467.46, 467.66, 471.35(ee), 471.35(f), 471.35(ff), 471.35(j), 471.35(l), 471.35(m), 471.35(r), 471.35(s), 471.35(t), 471.35(u), 471.35(v), 471.35(w), 471.65(g), 471.65(i), 471.65(j), 471.65(m), 471.65(n), 471.65(p), 471.65(q), 471.65(r), 471.65(s), 471.65(x)	2	36	19			
Stainless Micro-Polish, Inc.	1-021672	1286 N.Grove St, Anaheim, CA 92806	332813	433.17(a)	2	15	8			
Star Manufacturing LLC, dba Commercial Metal Forming	1-600653	341 W.Collins Ave, Orange, CA 92867	332119	403.5(d)	2	8	43			
Star Powder Coating, Inc.	1-531425	7601 Park Ave, Garden Grove, CA 92841	332812	433.17(a)	4	9	4			
Statek Corporation (Main)	1-021664	512 N.Main St, Orange, CA 92868	334419	433.17(a), 469.26(a)	3	16	3	pH		
Statek Corporation (Orange Grove)	1-521777	1449 W.Orange Grove Ave, B Ste, Orange, CA 92868	334419	469.28(a)	2	14	1			

APPENDIX 1

LIST OF SIGNIFICANT INDUSTRIAL USERS WITH MONITORING COMPLIANCE STATUS, JULY – DECEMBER 2021

ORANGE COUNTY SANITATION DISTRICT, RESOURCE PROTECTION DIVISION

Facility	Permit No.	Address	NAICS Code	Regulation	No. of Inspections	Agency Samples	SMR Samples	Pollutant(s) in Discharge Violation	SNC Status	Comment
Stepan Company	1-021674	1208 N.Patt St, Anaheim, CA 92801	325613	417.106, 417.96	4	12	4	1,4-dioxane		
Stremicks Heritage Foods, LLC	1-021028	4002 Westminster Ave, Santa Ana, CA 92703	311511	405.16, 405.26, 405.76	2	11	0			
Summit Interconnect, Inc.	1-600012	223 N.Crescent Way, Anaheim, CA 92801	334412	433.17(a)	3	16	10	Copper		
Summit Interconnect, Inc., Orange Division	1-600060	230 W.Bristol Ln, Orange, CA 92865	334412	433.17(a)	2	15	10			
Sunny Delight Beverages Co.	1-021045	1230 N.Tustin Ave, Anaheim, CA 92807	312111	403.5(d)	2	10	0			
Superior Plating	1-021090	1901 E.Cerritos Ave, Anaheim, CA 92805	332813	433.17(a)	4	11	36			
Superior Processing	1-021403	1115 Las Brisas Pl, Placentia, CA 92870	334412	433.17(a)	2	11	7			
Tayco Engineering, Inc.	1-031012	10874 Hope St, Cypress, CA 90630	334513	433.17(a)	3	9	4			
Taylor-Dunn Manufacturing Company	1-021123	2114 Ball Rd, Anaheim, CA 92804	333924	433.17(a)	2	15	4	Zinc		
Terra Universal, Inc.	1-601407	800 S.Raymond Ave, Fullerton, CA 92831	333999	433.17(a)	1	9	0			New Class 1 Permit Issued
Teva Parenteral Medicines, Inc.	1-141007	19 Hughes Irvine, CA 92618	325412	439.47	3	15	0			
Thermal-Vac Technology, Inc.	1-021282	1221 W.Struck Ave, Orange, CA 92867	332410	433.17(a)	3	15	10			
Thompson Energy Resources, LLC	1-521773	3351 E.Birch St, Brea, CA 92821	211111	403.5(d)	1	6	0			Class 1 Permit Deactivated
Thompson Energy Resources, LLC (Brea)	1-601469	3351 E.Birch St, Brea, CA 92821	211111	403.5(d)	1	9	3			New Class 1 Permit Issued
Timken Bearing Inspection, Inc.	1-531415	4422 Corporate Center Dr, Los Alamitos, CA 90720	336412	433.17(a)	2	12	5			
Tiodize Company, Inc.	1-111132	15701 Industry Ln, Huntington Beach, CA 92649	332813	433.17(a)	2	14	10			
Toyota Racing Development	1-071059	335 Baker St, Costa Mesa, CA 92626	336310	403.5(d)	2	5	2			

APPENDIX 1
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ORANGE COUNTY SANITATION DISTRICT, RESOURCE PROTECTION DIVISION

Facility	Permit No.	Address	NAICS Code	Regulation	No. of Inspections	Agency Samples	SMR Samples	Pollutant(s) in Discharge Violation	SNC Status	Comment
Transline Technology, Inc.	1-021202	1106 S.Technology Cir, Anaheim, CA 92805	334412	433.17(a)	2	13	4			
Tropitone Furniture Co., Inc.	1-141163	5 Marconi Irvine, CA 92618	337124	433.17(a)	3	15	4			
TTM Technologies North America, LLC. (Coronado)	1-521859	3140 E.Coronado St, Anaheim, CA 92806	334412	433.17(a)	3	18	14	Copper		
TTM Technologies North America, LLC. (Croddy)	1-511366	2645 Croddy Way, Santa Ana, CA 92704	334412	433.17(a)	2	13	10			
TTM Technologies North America, LLC. (Harbor)	1-511359	2640 S.Harbor Blvd, Santa Ana, CA 92704	334412	433.17(a)	2	13	10			
United Pharma, LLC	1-531418	2317 Moore Ave, Fullerton, CA 92833	325412	403.5(d)	2	10	2			
Universal Molding Co.	1-521836	1551 E.Orangethorpe Ave, Fullerton, CA 92831	332812	433.17(a)	2	15	4			
Van Law Food Products, Inc.	1-600810	2325 Moore Ave, Fullerton, CA 92833	311941	403.5(d)	2	10	0			
Vi-Cal Metals, Inc.	1-521846	1400 N.Baxter St, Anaheim, CA 92806	423930	403.5(d)	3	12	0			
Vit-Best Nutrition, Inc.	1-600010	2832 Dow Ave, Tustin, CA 92780	325411	439.47	3	33	7			
Vit-Best Nutrition, Inc.	Z-600960	2802 Dow Ave, Tustin, CA 92780	325412	439.47	1	0	0			
Waste Management Collections & Recycling, Inc. DBA Sunset Environmental	1-601581	16122 Construction Cir, West , Irvine, CA 92606	562212	403.5(d)	0	0	0			New Class 1 Permit Issued
Weber Precision Graphics	1-011354	2730 Shannon St, Santa Ana, CA 92704	323113	403.5(d)	2	8	2			
Weidemann Water Conditioners, Inc. (Anaheim)	1-600520	1260 N.Sunshine Way, Anaheim, CA 92806	333318	403.5(d)	2	10	2			
Weidemann Water Conditioners, Inc. (Fullerton)	1-021653	1702 E.Rosslynn Ave, Fullerton, CA 92831	333318	403.5(d)	2	10	2			
West Newport Oil Company	1-061110	1080 W.17th St, Costa Mesa, CA 92627	211111	403.5(d)	2	0	4			

APPENDIX 1

LIST OF SIGNIFICANT INDUSTRIAL USERS WITH MONITORING COMPLIANCE STATUS, JULY – DECEMBER 2021

ORANGE COUNTY SANITATION DISTRICT, RESOURCE PROTECTION DIVISION

Facility	Permit No.	Address	NAICS Code	Regulation	No. of Inspections	Agency Samples	SMR Samples	Pollutant(s) in Discharge Violation	SNC Status	Comment
Wilco-Placentia Oil Operator, LLC	1-521829	550 Richfield Rd, Placentia, CA 92870	211111	403.5(d)	2	14	2			
Winonics (Brea)	1-031035	660 N.Puente St, Brea, CA 92821	334412	433.17(a)	3	21	5	Copper		
Winonics, Inc.	1-021735	1257 State College Blvd, Fullerton, CA 92831	334412	433.17(a)	2	19	10	Copper		
Yakult USA, Inc.	1-521850	17235 Newhope St, Fountain Valley, CA 92708	311511	403.5(d)	2	10	5			

ORANGE COUNTY SANITATION DISTRICT

Appendix 2. SAWPA Monitoring and Compliance Status Report

1st and 2nd Quarters
FY 2021/2022

APPENDIX 2
SANTA ANA WATERSHED PROJECT AUTHORITY (SAWPA) JULY 1, 2021 – DECEMBER 31, 2021
LIST OF SIUs WITH MONITORING COMPLIANCE STATUS

Facility Name	Member/ Contract Agency	Direct / Indirect Discharger	Permit No.	Physical Address	NAICS Code	Classification	Regulation	TTO Waiver Issued	No. of Inspections	Agency Samples	SMR Samples	Pollutant(s) in Discharge Violation	SNC Status	Comment
Anita B. Smith Treatment Facility	Western	Direct	D1074-4	2100 Fleetwood Drive Jurupa Valley, CA 92509	221310	SIU	403.5(d)	-	2	4	2			
Aramark Uniform & Career Apparel, LLC	Western	Direct	D1004-2	1135 Hall Avenue Riverside, CA 92509	812332	SIU	403.5(d)	-	2	6	14			
California Institution for Men	IEUA	Direct	D1006-4	5997 Edison Avenue Chino, CA 91710	922140	SIU	403.5(d)	-	2	5	13			-
Chino I Desalter	SAWPA	Direct	D1081-5	6905 Kimball Avenue Chino, CA 91709	221310	SIU	403.5(d)	-	2	4	2			
Chino II Desalter	SAWPA	Direct	D1010-5	11251 Harrel Street Jurupa Valley, CA 91752	221310	SIU	403.5(d)	-	2	8	6			
City of Beaumont Wastewater Treatment Plant	SAWPA	Direct	D1129-1	715 East 4th Street Beaumont, CA 92223	221320	SIU	403.5(d)	-	2	0	2			
City of Colton - Agua Mansa Power Plant	VALLEY	Direct	D1002-5	2040 W. Agua Mansa Road Colton, CA 92324	221122	SIU	403.5(d)	-	2	10	10			
Dart Container Corporation	Western	Direct	D1019-4	150 S. Maple Street Corona, CA 92880	326140	SIU	403.5(d)	-	2	4	12			
Del Real, LLC	JCSD	Direct	D1021-4	11041 Inland Avenue Jurupa Valley, CA 91752	311991	SIU	403.5(d)	-	2	14	11			
EMWD Perris & Menifee Desalination Facility	SAWPA	Direct	D1061-5	29541 Murrieta Road Menifee, CA 92586	221310	SIU	403.5(d)	-	2	3	2	-	-	-
Infineon Technologies Americas Corporation	EMWD	Indirect	I1039-4	41915 Business Park Drive Temecula, CA 92590	334413	CIU	469.18	Y	2	4	4			
JCSD Etiwanda Metering Station	SAWPA	Direct	D1044-5	Etiwanda Avenue and N. of Bellegrave Avenue Jurupa Valley, CA 91752	221320	SIU	403.5(d)	-	2	16	12			
JCSD Hamner Metering Station	SAWPA	Direct	D1045-5	5410 Hamner Avenue Eastvale, CA 91752	221320	SIU	403.5(d)	-	2	8	8			
JCSD Roger D. Teagarden Ion Exchange Water Treatment Plant	SAWPA	Direct	D1070-5	4150 Etiwanda Avenue Jurupa Valley, CA 91752	221310	SIU	403.5(d)	-	2	4	4			
JCSD Wineville Metering Station	SAWPA	Direct	D1048-5	5101 Wineville Avenue Jurupa Valley, CA 91752	221320	SIU	403.5(d)	-	2	4	12			

APPENDIX 2
SANTA ANA WATERSHED PROJECT AUTHORITY (SAWPA) JULY 1, 2021 – DECEMBER 31, 2021
LIST OF SIUs WITH MONITORING COMPLIANCE STATUS

Facility Name	Member/ Contract Agency	Direct / Indirect Discharger	Permit No.	Physical Address	NAICS Code	Classification	Regulation	TTO Waiver Issued	No. of Inspections	Agency Samples	SMR Samples	Pollutant(s) in Discharge Violation	SNC Status	Comment
JSCD Wells 17 & 18 Ion Exchange Treatment Facility	SAWPA	Direct	D1040-4	3474 De Forest Circle Jurupa Valley, CA 91752	221310	SIU	403.5(d)	-	1	2	0			
Metal Container Corporation	JCSD	Direct	D1056-4	10980 Inland Avenue Jurupa Valley, CA 91752	332431	CIU	465.45(d)	-	2	14	8	O&G (mineral), Manganese		
Mission Linen Supply	IEUA	Direct	D1057-4	5400 Alton Street Chino, CA 91710	812332	SIU	403.5(d)	-	2	20	21			
Mountainview Generating Station	VALLEY	Direct	D1058-3	2492 W. San Bernardino Ave. Redlands, CA 92374	221112	CIU	423.17	-	2	12	12			
Niagara Bottling, LLC (IEUA)	IEUA	Indirect	I1114-2	1401 N. Alder Avenue Rialto, CA 92376	312112	SIU	403.5(d)	-	1	2	1	pH		
Niagara Bottling, LLC (SBMWD)	SBMWD	Indirect	I1111-2	1401 N. Alder Avenue Rialto, CA 92376	312112	SIU	403.5(d)	-	2	12	14			
OLS Energy	IEUA	Direct	D1059-4	5601 Eucalyptus Avenue Chino, CA 91710	221112	CIU	423.17	-	2	15	27			
Pyrite Canyon Treatment Facility	SAWPA	Direct	D1079-4	3400 Pyrite Street Jurupa Valley, CA 92509	562910 562211	SIU	403.5(d)	-	2	18	131			
Rayne Water Conditioning	SBMWD	Indirect	I1066-3	939 W. Reece Street San Bernadino, CA 92411	238220 454390 561990	SIU	403.5(d)	-	2	12	4			
Repet, Inc.	IEUA	Direct	D1069-4.1	14207 Monte Vista Avenue Chino, CA 91710	423930	SIU	403.5(d)	-	2	19	19			
Rialto Bioenergy Facility, LLC	VALLEY	Direct	D1130-1	503 E. Santa Ana Avenue Bloomington, CA 92316	562219 221118 221320	SIU	403.5(d)	-	2	12	323	BOD & TSS		
Temescal Desalter	Western	Direct	D1012-4	745 Public Safety Way Corona, CA 92880	221310	SIU	403.5(d)	-	2	4	2			
Wellington Foods, Inc.	Western	Direct	D1086-4	1930 California Avenue Corona, CA 92881	311999	SIU	403.5(d)	-	2	4	12			
WMWD Arlington Desalter	SAWPA	Direct	D1088-5	11611 Sterling Avenue Riverside, CA 92503	221310	SIU	403.5(d)	-	2	4	2			
YVWD Henry Wochholz Regional Water Recycling Facility	SAWPA	Direct	D1090-4	880 W. County Line Road Calimesa, CA 92320	221320 221310	SIU	403.5(d)	-	2	4	5			

Abbreviations

CIU	categorical industrial user
EMWD	Eastern Municipal Water District
IEUA	Inland Empire Utilities Agency
JCSD	Jurupa Community Services District
NAICS	North American Industry Classification System
SAWPA	Santa Ana Watershed Project Authority
SBMWD	San Bernardino Municipal Water Department
SIU	significant industrial users
SMR	self-monitoring report
SNC	significant noncompliance
TSS	total suspended solids
TTO	total toxic organics
Valley	San Bernardino Valley Municipal Water District