Orange County
Sanitation District

Semi-Annual Pretreatment Program Report

Resource Protection Division

JULY - DECEMBER
Fiscal Year 2018/2019

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Orange County Sanitation District
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March 28, 2019

Hope A. Smythe, Executive Officer
California Regional Water Quality Control Board
Santa Ana Region
3737 Main Street, Suite 500
Riverside, CA 92501-3339

Subject: Pretreatment Program Semi-Annual Report
July 1 through December 31, 2018

The Orange County Sanitation District (OCSD) is submitting this semi-annual report for enforcement activities conducted during the period of July 1 through December 31, 2018. These activities include inspection and sampling of permittees, enforcement actions OCSD has taken to remedy noncompliance, and information on the Santa Ana Watershed Project Authority pretreatment program under OCSD's jurisdiction.

Appendix 1 of this report, entitled Monitoring and Compliance Status Report, contains the number of industrial inspections and the number of OCSD and self-monitoring samples for each OCSD Class I permittee for the first and second quarters of Fiscal Year 2018/19.

If you or your staff have any questions, please contact me at (714) 593-7437 or Lori McKinley at (714) 593-7505.

Roya Sohanaki
Engineering Manager, Resource Protection Division

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

CERTIFICATION STATEMENT

The following certification satisfies the reporting requirements under Section E, Order No. R8-2012-0035, for the Orange County Sanitation District's Pretreatment Requirements, NPDES Permit No. CA0110604, for the submittal of the attached Semi-Annual Report.

All reports shall be signed by either a principal executive officer or ranking elected or appointed official or a duly authorized representative of a principal executive officer or ranking elected or appointed official. A duly authorized representative of a principal executive officer or ranking elected or appointed official may sign the reports only if:

a. The authorization is made in writing by a principal executive officer or ranking elected or appointed official;

b. The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity, such as the position of plant manager, superintendent, or position of equivalent responsibility. (A duly authorized representative may thus be either a named individual or any individual occupying a named position); and

c. The written authorization is submitted to the Regional Board and EPA.

Each person signing a report required by this permit or other information requested by the Regional Board or EPA shall make the following certification:

"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."

Roya Sohanaki
Engineering Manager, Resource Protection Division

03/28/2019
Date

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PERMITS AND CERTIFICATIONS

1.0 PERMITS AND CERTIFICATION

1.1 Introduction

Orange County Sanitation District (OCSD) 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 OCSD permits issued and deactivated for the period July 1, 2018 through December 31, 2018.

There are seven permit & certification classifications for users that are administrated by OCSD's Pretreatment Program: Class I Permits, Class II Permits, Wastehauler Discharge Permits, Special Purpose Discharge Permits, Dry Weather Urban Runoff Discharge Permits, Fats/Oil/Grease (FOG) Permits, and Discharge Certifications.

1.2 Class I Permits

During this reporting period, fourteen (14) new permits were issued, and fifteen (15) 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 OCSD'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 OCSD 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 OCSD, 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, two (2) new permits were issued for those users who are engaged in vehicular transport and disposal of acceptable domestic waste into OCSD's system. The disposal of hazardous waste is illegal and not acceptable under the terms of this permit category.

1.5 Special Purpose Discharge Permits

During this reporting period, seven (7) new permits were issued and eight (8) permits were deactivated for those users who discharge groundwater, surface runoff, subsurface drainage, or unpolluted water to OCSD'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.

1.6 Urban Runoff Permits

OCSD accepts the diversion of urban runoff to the sewer for treatment to remediate various public health and environmental problems which are infeasible to economically or practically control 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 Program has expanded to include the mediation of selenium-laden waters reaching the Upper Newport Bay.

The Resource Protection Division administers the 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. OCSD 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 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 Urban Runoff Diversion Program during this reporting period.

1.7 FOG (Fats, Oil, and Grease) Permits

OCSD'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). OCSD currently manages the FOG control program for 39 FSEs that discharge directly into OCSD owned trunklines in the City of Orange.

During this reporting period, OCSD renewed eight (8) FOG permits to existing permittees, and issued one (1) new FOG permit to a food service establishment under new ownership. No new FSEs were identified in OCSD's direct service area.

1.8 Discharge Certifications

During this reporting period, no new Discharge Certifications were issued and none were deactivated; this includes Zero Discharge Certifications. Zero Discharge Certifications are issued for those industries that have operations subject to a federal category regulated by the 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, 2018 period, is shown in Table 1.1.

TABLE 1.1 – ACTIVE PERMITS AND CERTIFICATIONS July 1 - December 31, 2018
Orange County Sanitation District, Resource Protection Division

Permit / Certification Type	New Issuance	Deactivated	Effective During Reporting Period
Class I (SIU)	14	15	331
Class I Categorical (CIU)	*7*	*11*	*187*
Class I Non-Categorical	*7*	*4*	*144*
Discharge Certification	0	0	2
Zero Discharge Certification	0	0	23
Class II	0	0	23
Wastehauler	2	0	43
Special Purpose	7	8	58
Urban Runoff	0	0	21
FOG	1	0	39
TOTAL	24	23	540

chapter 2

ENFORCEMENT

2.0 ENFORCEMENT

2.1 Introduction

The goal of the Orange County Sanitation District's (OCSD) industrial wastewater enforcement program is to bring its permitted industrial users into compliance with OCSD's *Wastewater Discharge Regulations* (Ordinance) and discharge limits and to control and reduce industrial pollutants. In addition to assessing noncompliance fees, issuing Notices of Violation, and sending compliance letters, other types of enforcement actions are taken against industrial violators when appropriate. These actions include compliance requirements, compliance inspections, compliance meetings, Probation Orders, Enforcement Compliance Schedule Agreements (ECSAs), Regulatory Compliance Schedule Agreements (RCSAs), Administrative Penalties, Permit Suspension, Permit Revocation, and Emergency Suspension Orders.

This report describes the enforcement actions that OCSD initiated or continued against noncompliant permittees for the semi-annual reporting period of July 1, 2018 through December 31, 2018.

Appendix 1 of this report, entitled Monitoring and Compliance Status Report, contains information regarding the number of industrial inspections and the number of OCSD and self-monitoring samples taken for each Class I permittee for the first and second quarters of Fiscal Year 2018/19. 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

When a permittee is determined to be violating discharge limits, an engineer and an inspector conduct special inspections to identify and assess the noncompliance issues, require corrective actions, and monitor the progress of those permittees operating under the terms and conditions of ECSAs/RCSAs.

Twenty-six (26) compliance inspections were conducted during the first and second quarters.

2.3 Compliance Meetings

Compliance meetings are called because of a permittee's failure to achieve compliance with permit and/or Ordinance discharge, record-keeping, or other requirements. The meetings are held with OCSD staff to discuss issues and proposed solutions.

Six (6) compliance meetings were conducted during the first and second quarters.

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 Enforcement Response Plan, such as a compliance meeting.

Ten (10) compliance requirement letters were issued during the first and second quarters.

2.5 Order to Cease/Terminate Non-Compliance/Discharge

Orders are issued where a permittee is continually non-compliant 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 Enforcement Response Plan, such as a compliance meeting.

Six (6) orders to cease/terminate non-compliance/discharge were issued during the first and second quarters.

2.6 Notices of Violation

A Notice of Violation (NOV) is a written notification from OCSD 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 non-compliance sampling and/or processing fees. The NOV instructs the permittee to take immediate action to correct the problem.

Forty (40) Notices of Violation were issued in the first and second quarters.

2.7 Probation Orders

Pursuant to Section 603.1 of OCSD's Ordinance, a Probation Order may be issued if a permittee has violated any terms, conditions, or limits of its discharge permit or OCSD's Ordinance, or has not paid all amounts owed to OCSD. The term of the Probation Order may not exceed 90 days and the permittee is required to comply with all directives, conditions, or requirements within the time specified.

One (1) Probation Order was issued in the first and second quarters.

2.8 Enforcement Compliance Schedule Agreement (ECSA)

If a permittee is in noncompliance with the terms, conditions, or limits specified in the permit or the Ordinance and needs to construct and/or acquire and install equipment related to pretreatment, OCSD may require the permittee to enter into an ECSA. The ECSA contains terms and conditions by which the permittee must operate and specifies dates for construction and/or acquiring and installing the pretreatment equipment and achieving compliance.

No ECSAs were issued during the first and second quarters.

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 EPA, or OCSD 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 OCSD. The terms and conditions of a 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 a 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 OCSD'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 OCSD's Ordinance.

There were no RCSAs issued during the first and second quarters.

2.10 Administrative Penalties

Pursuant to the authority of California Government Code Section 54740.5, OCSD may issue an Administrative Complaint against the responsible officer or owner of any permittee that violates any permit condition or effluent limit.

Administrative penalties were issued in one (1) Administrative Compliant Settlement Agreement during the first and second quarters.

2.11 Permit Suspension

OCSD staff may seek permit suspension if a permittee fails to comply with the terms and conditions of an ECSA, RCSA, or Probation Order; fails to provide reports; or violates any condition or limit of a discharge permit or Ordinance provision. When OCSD 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, OCSD 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.

2.12 Permit Revocation

OCSD staff may seek permit revocation if a permittee fails to comply with the terms and conditions of an ECSA, RCSA, or Probation Order; fails to provide reports; or violates any condition or limit of a discharge permit or Ordinance provision. When OCSD believes that grounds exist for permit revocation, the permittee is notified in writing of the reasons for permit revocation and the date of the permit revocation hearing.

At the hearing, OCSD 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 revocation the permittee must permanently terminate discharge to the sewer and the permit is no longer active.

No permit revocations were ordered during the first and second quarters.

2.13 Emergency Suspension Order

Pursuant to Section 614 of OCSD'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 OCSD's sewerage facilities; or may cause OCSD to violate any state or federal law or regulation.

No Emergency Suspension Orders were issued during the first and second quarters.

2.14 Civil/Criminal Complaints

When a permittee intentionally or negligently violates any provision of the Ordinance, permit conditions, or discharge limits, OCSD may petition to the Superior Court for the issuance of a preliminary or permanent restraining order. In addition, OCSD 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 OCSD's Ordinance.

No civil/criminal complaints were made during the first and second quarters.

2.15 Industries with Discharge Violations

The table below lists those facilities with discharge violations between July 1st – December 31st, 2018, and whether the violation(s) exceeded Federal Categorical Standard (FCS) Limits, OCSD Local Limits, or both.

TABLE 2.1 - INDUSTRIES WITH DISCHARGE VIOLATIONS July 1 - December 31, 2018
Orange County Sanitation District, Resource Protection Division

Facility	Permit No.	Pollutant(s) in Violation	Date	Exceeded Federal Categorical Limit	Exceeded Local Limit
Active Plating, Inc.	1-011115	Zinc	10/23/2018	√	
Alloy Die Casting Co.	1-531437	pH	09/10/2018		√
Alloy Tech Electropolishing, Inc.	1-011036	Molybdenum	08/22/2018		√
APCT Orange County	1-600503	Copper	08/07/2018		√
B. Braun Medical, Inc. (West/Lake)	1-541183	pH	10/24/2018		√
Bristol Industries	1-021226	CN	08/03/2018	√	√
		Cadmium	12/06/2018	√	√
		CN	12/21/2018	√	
Cadillac Plating, Inc.	1-021062	Zinc	10/12/2018	√	
Cal-Aurum Industries, Inc.	1-111089	Cadmium	07/17/2018		√
Central Powder Coating	1-021189	Molybdenum	08/14/2018		√
Cherry Aerospace	1-511381	CN	06/07/2018	√	
		Cadmium	12/04/2018	√	
CJ Foods Manufacturing Corp.	1-521849	pH	07/30/2018		√
Cooper and Brain, Inc.	1-031070	O&G min.	07/13/2018		√
D.F. Stauffer Biscuit Co., Inc.	1-600414	pH	06/06/2018		√
Darling International, Inc.	1-511378	pH	08/28/2018		√
Diamond Environmental Services, LP	1-600244	pH	11/07/2018		√
Dr. Smoothie Enterprises - DBA Bevolution Group	1-600131	pH	11/05/2018		√
			12/06/2018		√
Electro Metal Finishing Corporation	1-021158	Molybdenum	08/23/2018		√
Excello Circuits Manufacturing Corp.	1-521855	Copper	07/31/2018		√
FMH Aerospace Corp DBA FMH Corporation	1-571331	Silver	07/27/2018	√	
Green Clean Water & Waste Services	1-521857	Titanium	04/02/2018	√	
Hixson Metal Finishing	1-061115	Chromium	10/02/2018	√	√

TABLE 2.1 - INDUSTRIES WITH DISCHARGE VIOLATIONS July 1 - December 31, 2018 Orange County Sanitation District, Resource Protection Division					
Facility	Permit No.	Pollutant(s) in Violation	Date	Exceeded Federal Categorical Limit	Exceeded Local Limit
		Silver	10/02/2018	√	√
Industrial Metal Finishing, Inc.	1-521828	pH	12/07/2018		√
Kenlen Specialities, Inc.	1-021171	Molybdenum	10/02/2018		√
		Zinc	10/02/2018	√	
Legendary Baking of California, LLC	1-600294	pH	09/04/2018		√
		pH	09/05/2018		√
		pH	11/05/2018		√
Marukome USA, Inc.	1-141023	pH	08/08/2018		√
Murrietta Circuits	1-521811	pH	12/10/2018		√
Performance Powder, Inc.	1-521805	Molybdenum	10/09/2018		√
Primatex Industries, Inc.	1-031036	Zinc	07/03/2018		√
Republic Waste Services	1-521827	Cadmium	10/03/2018		√
		Copper	10/03/2018		√
		Lead	10/03/2018		√
		Zinc	10/03/2018		√
Safran Electronics & Defense, Avionics USA, LLC.	1-571304	Zinc	09/06/2018	√	
Stepan Company	1-021674	1,4-dioxane	06/01/2018		√
Tayco Engineering, Inc.	1-031012	Copper	12/19/2018		√
Thompson Energy Resources, LLC	1-521773	O&G min.	07/17/2018		√
TTM Technologies North America, LLC. (Coronado)	1-521859	Copper	08/17/2018		√
			09/09/2018		√
			09/21/2018		√
Van Law Food Products, Inc.	1-531439	pH	09/24/2018		√
			10/23/2018		√

2.16 Enforcement – Summary by Permittee

This section summarizes various enforcement actions conducted for permittees in the first half of FY 2018/19. Potential enforcement actions include permit revocations, permit suspensions, compliance inspections,

compliance meetings, probation orders, enforcement compliance schedule agreements (ECSA), orders to cease, among others.

A & G Electropolish (Permit No.1-531422)

A & G Electropolish (A & G) is a job shop metal finishing facility. A & G performs electropolishing of stainless steel parts for all applications from aerospace to food production. A & G's operations include fabrication with general machining operations, bead blasting, and other dry processes. Wastewater is generated from wet process operations, which include deburring, passivation, and electropolishing. Wastewater is collected in a below grade sump and pumped to the batch treatment tank prior to discharge to the sewer. Batch treatment at A & G consists of pH adjustment utilizing caustic beads, settling, and filter pressing solids with the filtrate pH adjusted with phosphoric acid.

In November 2017, OCSD issued an Order to Cease Noncompliant Discharges to A&G for unauthorized hauling of wastewater generated in A&G's mobile passivation service conducted at various third-party sites, with the purpose of discharging through the facility sewer connection under A & G's discharge permit. A & G agreed to cease this operation immediately. In May 2018, OCSD conducted a compliance inspection to discuss delinquent permit required items, which include submittal of facility drawings and a slug discharge control plan, and hard plumbing of certain fixtures. During the inspection, OCSD confirmed that the company is no longer conducting mobile passivation.

July 1 – December 31, 2018

On **July 11, 2018**, OCSD issued a Compliance Requirement Letter. On **August 22, 2018**, OCSD conducted another Compliance Inspection to discuss the details of the letter. A & G submitted required documents, including updated drawings and made corrections to plumbing configurations prior to the deadline of **September 24, 2018**.

Active Plating, Inc. (Permit No. 1-011115)

Active Plating, Inc. (Active Plating) is a job shop metal finishing facility. Active Plating performs zinc plating with clear and gold chromate conversion coating on steel, and chemfilm operations on aluminum parts. Parts are generally used in electronics or computer applications. Wastewater is segregated between hexavalent chrome bearing operations and other metal-bearing/alkaline wastestreams. Pretreatment consists of chromium reduction, hydroxide precipitation, with settling and flocculation in two parallel clarification tanks. Active Plating has pH and ORP probes connected to an advanced programmable logic controller which automates the treatment system.

In April 2018, Active Plating had a zinc violation, and was issued a Notice of Violation. In May 2018, OCSD conducted a Compliance Inspection during which the pH and ORP probes were found not operating properly. Also noted during the inspection was that Active Plating periodically takes one of the clarification tanks off-line for batch treatment or solids removal. When this occurs, floc carry-over into the sample point becomes an issue due to reduced treatment capacity. In June 2018, OCSD held a Compliance Meeting with Active Plating during which the company was asked for a long-term solution for implementing effective process controls and treatment when one clarification tank is offline. The company was also asked to submit detailed pretreatment system drawings and an updated facility plot plan.

July 1 – December 31, 2018

On **October 23, 2018**, Active Plating had another zinc violation, for which a Notice of Violation was issued on **November 20, 2018**. On **December 12, 2018**, OCSD conducted a compliance Inspection during which treatment concerns involving hydraulic capacity of the system were identified. On **December 31, 2018**, OCSD issued a Compliance Requirements Letter to Active Plating.

OCSD will hold a compliance meeting with Active during the next period to discuss corrective actions.

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

Alloy Die Casting Co. (Alloy Die) 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 pretreatment systems, both of which perform pH adjustment and metals removal through flocculation, while one performs oil & grease removal as well. The metal-bearing wastewater 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 treated water is sent to the other batch tank and the separated oil & grease is wastehauled.

July 1 – December 21, 2018

On **September 10, 2018**, Alloy Die had a pH violation, for which a Notice of Violation was issued on **October 4, 2018**. On **October 16, 2018**, OCSD conducted a compliance inspection during which no direct cause of violation could be determined from Alloy Die's operations. It was suspected that a janitorial staff may have dumped a mop bucket of spent solution containing a hydrochloric acid cleaner to the oil/water separator unbeknownst to the pretreatment operators. Alloy Die updated their janitorial procedures to prevent staff from adding mop water to the pretreatment system.

OCSD will continue to monitor Alloy Die's discharge and compliance status on a quarterly basis.

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

Alloy Tech Electropolishing, Inc. (Alloy Tech) is a job shop metal finishing facility. Alloy Tech performs electropolishing and passivation of stainless steel and titanium parts used in various applications. Wastewater from rinsing operations is directed to the batch treatment system where hydroxide precipitation removes heavy metals prior to discharge to the sewer.

In February 2018, Alloy Tech had a nickel violation, for which a Notice of Violation was issued. In April 2018, OCSD conducted a Compliance Inspection during which it was determined that the violation was an isolated event involving improper heat treatment of a 17-4 alloy steel. The company agreed to provide a report of all jobs conducted during the time the wastewater batch was in noncompliance, and to sample for nickel from each batch in the following six months to demonstrate that the violation was indeed an isolated event.

July 1 – December 31, 2018

Alloy Tech's sampling events for nickel during this reporting period were within an acceptable range and below the permit discharge limit, indicating the nickel violation may have been an isolated event.

On **August 22, 2018**, Alloy Tech had a molybdenum violation, for which a Notice of Violation was issued on **September 28, 2018**. On **November 1, 2018**, OCSD conducted a compliance inspection but the source of the molybdenum could not be identified. During the compliance inspection, OCSD discovered that Alloy Tech conducted a second self-monitoring sampling event on **October 22, 2018**, which was not reported to OCSD, and the test result indicated another molybdenum violation. Hence, the company was informed they must submit all supplemental sampling results. Alloy Tech agreed to conduct further investigation of the molybdenum violations with a report to be submitted to OCSD by **December 1, 2018**, which the company failed to meet.

OCSD will issue a Compliance Requirements Letter in the next period to Alloy Tech to submit the corrective action report of the molybdenum violation investigation.

Alsco, Inc. (Permit No. 1-021656)

Alsco, Inc. (Alsco) is a large industrial laundry. The company washes table cloths, linens, towels, and other fabrics from local restaurants, hotels, and hospitals. After washing and drying, the fabrics are folded, packaged, and returned to customers. Wastewater generated at Alsco consists of the wash water from the machines, plus floor wash down and small amounts of boiler blowdown. Alsco has a trench and clarifier system, with a pump system to transfer collected washwater into a lint shaker / filtration system before discharge into an outside clarifier and then to the sewer.

In December 2017, Alsco had an oil & grease violation for which a Notice of Violation was issued. The company informed OCSD that a hydraulic oil leak from their machinery had been detected after the sample was collected. The equipment was immediately repaired upon leak discovery and resampling performed afterward. The resampling results showed compliance. In January 2018, Alsco had another oil & grease violation. The company checked for any possible sources of oil & grease and no new sources could be found. Therefore, Alsco concluded that the violation must have been caused by residual oil from the aforementioned hydraulic oil leak. Alsco pumped out the clarifier to clean out any remaining residue. Results of samples collected after the clarifier cleanup showed compliance.

July 1 – December 31, 2018

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

Anchen Pharmaceuticals, Inc. (Fairbanks) (Permit No. 1-541180)

Anchen Pharmaceuticals, Inc. (Fairbanks) (Anchen) manufactures pharmaceutical tablets and capsules. The manufacturing process includes weighing, mixing, granulation, drying, blending, compression, coating, and encapsulation (for capsules). Wastewater is generated by the cleaning of the equipment used in the production operations. Anchen does not have a pretreatment system and relies solely on best management practices in handling solvents used at the facility. Out of the five volatile organic compounds regulated under the Pharmaceutical Manufacturing federal category, acetone is the main constituent of concern at Anchen. When acetone is used in a formulation, it is also used to clean out residues in the mixing/blending equipment.

In December 2017, Anchen had a major acetone violation, which Anchen promptly reported to OCSD upon receipt of their self-monitoring results from their contract laboratory. Per OCSD's direction, Anchen conducted resampling in January 2018 but the results again detected a major acetone violation. However, the sampling methodology used in the resampling was not valid so Anchen was directed to collect another sample. The results of the second resampling showed compliance. In February 2018, OCSD conducted a compliance inspection to investigate the source of the previously reported acetone violations. Anchen attributed the violation to failure to properly contain and dispose of the acetone used to clean Anchen's mixing equipment. Anchen's corrective action included retraining its staff on proper protocol when using solvent for cleaning equipment.

July 1 – December 31, 2018

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

APCT Orange County (Permit No.1-600503)

APCT Orange County (APCT) acquired Cartel Electronics (Permit No 1-521814) in early 2018. APCT is a medium-sized full-service printed circuit board manufacturing facility. Circuit boards are manufactured from inner-layers through lamination and micro-drilling, then outer-layer photo-printing, developing, copper and tin pattern plating, and copper etching / tin stripping followed by soldermask coating, legend screening, and final routing and electrical testing before packaging and shipment to customers. ACPT also offers electroless nickel and gold plating for final surface and connector tab coatings. Wastewater originates from the chemical etching and plating processes and their associated rinses. During multiple site visits in 2016 and 2017, it was observed that Cartel had significant concerns with various wastestreams in the shop. These concerns

included frequent bypass of treatment, incorrect plumbing configurations, improper treatment, improper labeling, unknown piping schemes and wastewater characterization, and an overall general lack of control of the pretreatment operations. Between the months of November 2016 and June 2017, Cartel had been issued three Notices of Violation, an Order to Cease Noncompliant Discharges, a Compliance Letter, a requirement to attend a Compliance Meeting, and participate in a Compliance Inspection.

Between the months of November 2016 and June 2017, Cartel had been issued three Notices of Violation, an Order to Cease Noncompliant Discharges, a Compliance Letter, and a requirement to attend a Compliance Meeting and participate in a Compliance Inspection. From July to December 2017, Cartel underwent another two compliance inspections, was issued its Second and Third Orders to Cease, and was issued a Notice of Violation for copper. During the month of September 2017, OCSD conducted a downstream investigation and monitoring of Cartel's discharge and identified 19 days of major copper and pH violations with copper concentrations up to 492 mg/L and pH level as low as 1.30 S.U. Two more compliance meetings were held, during which Cartel accepted OCSD's offer to enter into a Settlement Agreement to resolve the outstanding compliance issues. In December 2017, OCSD issued a Settlement Agreement to Cartel with penalties totaling $80,965.80 (including 6% interest and processing fees associated with a 12-month payment plan). See Cartel Electronics' (Permit No. 1-521814) enforcement history on page 4.17 for more details on this reporting period. Due to the change in ownership that occurred in early 2018, APCT applied for a new permit in accordance with OCSD's Ordinance. APCT agreed to assume responsibility for Cartel Electronics' outstanding enforcement requirements.

In April 2018, an Enforcement Compliance Schedule Agreement (ECSA) was finalized between APCT and OCSD. The ECSA outlined several requirements and milestones set forth for the company to implement corrective actions and achieve long-term compliance with their permit. While under the ECSA and just prior to the permit suspension from April 30 to May 14, 2018, a downstream sampling event indicated that the company discharged copper in violation of the permitted discharge limit from April 27 to April 28, 2018.

In May 2018**,** OCSD conducted an inspection to verify compliance with the terms of the ECSA and to investigate the copper violation. During the Inspection, the company was informed of the recent downstream result as well as issues with the maintenance logs for their batch treatment. An Order to Cease Noncompliant Discharges was issued to APCT afterwards for the downstream copper violations. In June 2018, OCSD held a compliance meeting with APCT where APCT explained that the copper could have been from changes around the facility in response to the ECSA or it could have also been from an inadvertent dump from an employee. APCT agreed to sample consecutively for five days to verify compliance with the copper limit. OCSD issued a Compliance Requirement Letter to APCT outlining the requirements for multi-day compliance verification sampling and for submittal of a report for the source of the downstream copper violation.

July 1 – December 31, 2018

APCT continued to work on improving their compliance by completing the requirements in the previously issued ECSA. The company had two copper violations associated with the start-up of their new treatment system on May 22, 2018 and **August 7, 2018** and Notices of Violations were issued on **July 7, 2018** and **October 1, 2018**, respectively. APCT is also working on meeting the requirement for hard plumbing, which was addressed in the Compliance Requirement Letter that OCSD issued to APCT on **October 17, 2018**.

OCSD will continue to closely monitor APCT's discharge and compliance status in the next reporting period.

Arconic Global Fasteners & Rings, Inc. (Permit No. 1-021081)

Arconic Global Fasteners & Rings, Inc. (Arconic) 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. Arconic's continuous pretreatment system consists of pH adjustment, cyanide destruction, chromium reduction, clarification, and sludge dewatering using a filter press. Separate, dedicated pretreatment systems are used including electrowinning (for silver plating) and oil/water separation.

In September 2017, Arconic had a cyanide (amenable) violation for which a Notice of Violation was issued. In December 2017**,** OCSD conducted a Compliance Inspection and routine sampling during which the sampling method/location for cyanide sampling was discussed and the state of the cyanide treatment system was evaluated. The treatment system was found to be adequately working during the inspection, and the results of sampling conducted during the inspection showed compliance with the amenable cyanide limit. On February 16, 2018**,** Arconic sent OCSD a letter contesting the cyanide violation. After a comprehensive review, OCSD concluded that the sample result was valid, and therefore the violation was upheld. APCT had no further violations during this reporting period.

July 1 – December 31, 2018

Arconic had no further violations during this reporting period. OCSD will continue to monitor APCT's discharge and compliance status on a quarterly basis.

B. Braun Medical, Inc. (West/Lake) (Permit No. 1-541183)

B. Braun Medical, Inc. (West/Lake) (B. Braun West) manufactures pharmaceutical intravenous fluid and the packaging for the fluid. The manufacturing process includes mixing, filling, sterilization, and packaging of aqueous injectable and parenteral pharmaceutical products. The packages are sprayed and bath-sterilized before they are placed on pallets and collected for shipment. Waste from the sterilization process consists of condensate that builds on the packages from the cooling process, and the weekly draining of the sterilization process water from the heat exchangers.

July 1 – December 31, 2018

On **October 24, 2018**, B. Braun West had a pH violation, for which a Notice of Violation was issued on **November 21, 2018**. On **December 11, 2018**, OCSD conducted a Compliance Inspection, during which B. Braun West indicated that multiple sources could have contributed to the pH violation. The shredding facility and the internal IV bag process both have the potential to produce low pH wastestreams. B. Braun West submitted a letter describing corrective actions to address the violation. The corrective actions included installation of a new pH adjustment system.

OCSD will continue to monitor implementation of the new pH adjustment system during the next reporting period.

Bristol Industries (Permit No. 1-021226)

Bristol Industries (Bristol) manufactures military specification fasteners, including nuts, bolts, washers, and rivets, as well as airplane window channels. Wastewater is generated from the metal finishing and aluminum forming operations, which include acid/alkaline cleaning, plating (silver, copper, nickel, chromium, and cadmium), anodizing, deburring, and associated rinses. Bristol operates a batch and a continuous pretreatment system. The continuous pretreatment system consists of an equalization tank, chrome reduction, cyanide destruction, hydroxide precipitation, pH adjustment, an effluent pH controller and recorder, final polishing filter, filter press, Lamella clarifier, and an electrowinning system. The batch treatment system is used to treat spent process solutions.

In 2017, Bristol completed construction of a new building to house new process and rinse tanks that would eventually replace all their aging tanks. Bristol also completed installation of a new state-of-the-art pretreatment system which will also replace their existing one. The new system consists of a continuous ion exchange (IX) system for heavy metals removal, and batch treatment for IX regeneration waste, chrome reduction, and cyanide destruction. The new IX system allows Bristol to recycle most of their rinses and thus save water.

In June and July 2017, Bristol had cyanide (amenable) violations for which Notices of Violation were issued. In August 2017, Bristol had a cadmium violation. Bristol submitted a root cause analysis and corrective action

report for the cyanide violations. The report attributed the violations to inadequate retention time due to high production and high flow rate during those two days, aggravated by low oxidation reduction potential (ORP) in stage 1 and high ORP in stage 2, thus causing incomplete destruction of cyanide. Bristol's corrective actions consisted of adjusting the ORP and pH in both stage 1 and stage 2 during heavy production days to ensure complete treatment of cyanide. Bristol conducted multi-day sampling to confirm the efficiency of their modifications / corrective actions and the test results all showed compliance.

In September 2017, OCSD conducted a compliance inspection and resampling, during which Bristol indicated that the pretreatment system operators had been trained on the proper pH and ORP settings for treatment of the cyanide-bearing wastestreams. However, the resampling results detected a nickel violation. Bristol submitted another root cause analysis and corrective action report to address the August 2017 cadmium violation. During the investigation, Bristol staff discovered that the blade in the batch treatment tank was not connected to the mixer shaft, and therefore no mixing was occurring in the batch tank. The mixer blade detached due to loosened fasteners. Bristol immediately fixed the problem and conducted resampling for cadmium. The resampling results showed compliance.

In October 2017, OCSD conducted resampling for nickel and the results showed compliance. Bristol submitted a third root cause analysis and corrective actions report to address the nickel violation. The report cited inadequate pH and ORP setpoints as the cause of the violation. Corrective actions consisted of increasing the pH, reducing the ORP, and conducting in-house testing of each treated batch for compliance before discharging the effluent to the sewer.

In April 2018, Bristol had another cyanide (amenable) violation, for which a Notice of Violation was issued. In June 2018, OCSD conducted another compliance inspection, during which Bristol submitted another root cause analysis and corrective action report to address the violation. The report identified the source of the cyanide amenable violation to several operational issues and issues with ORP probes. Corrective actions consisted of weekly calibration of the ORP probes, maintenance of calibration record logs, updating of treatment unit operating instructions to include calibration frequency, additional operator training, and additional team leader verification for probe check and record-keeping.

July 1 – December 31, 2018

On **September 3, 2018**, Bristol had another cyanide violation, for which a Notice of Violation was issued on **September 4, 2018**. On **October 5, 2018**, OCSD issued an Order to Cease Noncompliant Discharges in response to the recurring violations. On **October 16, 2018**, OCSD held a compliance meeting with Bristol, during which Bristol attributed the source of the cyanide violation to an overflow situation at the cyanide treatment unit. On **November 8, 2018**, OCSD issued a Compliance Requirements Letter directing Bristol to submit a pretreatment system evaluation and proposal for improvements. On **November 26, 2018**, Bristol submitted a response indicating that Bristol will install an equalization tank in the cyanide treatment unit to provide adequate treatment capacity. On **December 6, 2018**, Bristol had another cadmium violation, for which a Notice of Violation was issued on **December 17, 2018**. Another cyanide violation occurred on **December 21, 2018**. Bristol submitted a root cause analysis and corrective action report to address the violation. The report identified the resin beds in the metal scavenger resin system for the cyanide treatment as the source of the cadmium violation. Bristol indicated that the resin beds were found to be fouling with a precipitant, which caused channeling in the resin beds allowing treated cyanide wastewater to travel through the beds with little to no contact with the resins for metal removal. Corrective actions consist of resin bed rotation and changes based on the analysis of effluent from cyanide and the metal scavenger system sample point.

OCSD will follow up on the installation of the additional cyanide treatment tank during the next reporting period and pursue escalated enforcement if necessary.

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 with pH adjustment, chrome reduction, flocculent addition, clarification, and sludge dewatering with a filter press. Spent solutions are treated in a batch system, with the batch treatment effluent routed through the continuous pretreatment system for further treatment.

In January 2017, OCSD conducted a compliance inspection during which numerous pretreatment system deficiencies and violations were found including: a measured pH value of 12.85 S.U. in the facility discharge (limit is 12.0 S.U.); instrumentation out for repair or not operating; and lack of a qualified industrial wastewater treatment operator during wastewater discharge. Thus, OCSD issued an Order to Cease Noncompliant Discharges to Cadillac followed by a compliance meeting and issuance of a Probation Order in February 2017. In March 2017, OCSD conducted a joint probation search with representatives from the Orange County District Attorney's office, Occupational Safety & Health Administration (OSHA), and Orange County Health Care Agency (OCHCA). OSHA and OCHCA identified the following violations: high carbon monoxide levels outside the permissible limits; lack of proper personal protective equipment; illegal disposal of hazardous waste into general waste bins; unsafe electrical conditions; and general disregard for safety. As a result of numerous safety violations, OSHA issued an Order Prohibiting Use (OPU).

In August 2017, OCSD issued another Probation Order with the same requirements as the original probation order but with a different completion date since Cadillac was unable to meet the progress requirements of the compliance schedule due to OSHA's Order Prohibiting Use. From August through October 2017, OCSD conducted multiple compliance inspections to determine whether progress was being made towards the completion of the Probation Order requirements. OCSD issued two Notices of Violation in September 2017 – one for copper discharge violations and the other for failing to meet the deadline for completion of the reissued probation order requirements. OCSD also issued a Compliance Requirements Letter in October 2017 because during the course the probation order, Cadillac failed to provide sufficient updates on their progress and the submitted deliverables were below acceptable standards. In November 2017, OCSD held a compliance meeting with Cadillac to review the pretreatment system deficiencies and issued an additional Compliance Requirements Letter for the outstanding probation order requirements. In December 2017, OCSD conducted a compliance inspection to verify completion of the remaining items. Requirements related to pretreatment equipment deficiencies were completed; however, the documentation provided by Cadillac was not acceptable. OCSD sent comments to Cadillac to correct the Operations and Maintenance Manual by January 2018.

As a result of legal action between the Orange County District Attorney and Cadillac, OCSD conducted another inspection on March 2018 to confirm the completion of the requirements from the Probation Order. The continuous pretreatment system was found to be operating in a safe and controlled manner. There was no indication of overflow, short-circuiting, or slug loading. The batch treatment system was operational and appeared to be properly maintained. Log sheets for the batch treatment system were being kept on site and were up to date.

July 1 – December 31, 2018

On **October 12, 2018**, Cadillac had a zinc violation, for which a Notice of Violation was issued on **December 4, 2018**. On **December 20, 2018,** OCSD conducted a compliance inspection during which multiple deficiencies were noted including missing or illegible process tank labels, a lack of pretreatment system vessel structural integrity that could lead to treatment bypass, and unidentified non-compliant wastewater. It was also discovered that one of the treatment operators failed to obtain CWEA treatment operator certification as required by the Probation Order. Cadillac had also failed to provide a wastewater characterization for the processing lines prior to using them. As a result of the violation and deficiencies noted above, OCSD will escalate enforcement action during the next reporting period.

Cal-Aurum Industries, Inc. (Permit No. 1-111089)

Cal-Aurum Industries, Inc. (Cal-Aurum) is a large metal finishing job shop. Cal-Aurum specializes in precious metals plating, providing services for aerospace, communications, electronics, and military applications. The wet processing includes rack, barrel, and continuous reel-to-reel processes. Wastewater is generated from

the cleaning, coating, common and precious metals electroplating, electroless plating, etching, finish stripping, and the rinsing of parts. Cal-Aurum utilizes a batch pretreatment system for treating spent solutions, and a continuous pretreatment system for all other waste streams. The metal-bearing rinses receive pH adjustment and hydroxide precipitation prior to discharge to the sewer. Cal-Aurum also uses a filter press for dewatering the sludge from the batch treatment operation. The filtrate is pumped to a final polishing filter then to a holding tank where it is tested for compliance prior to discharge.

During a routine permit renewal inspection in March 2017, OCSD noted changes in Cal-Aurum's process area, which triggered reclassification of Cal-Aurum's 10% New Source and 90% Existing Source status to 100% New Source. OCSD also noted that the sampling point for the cyanide-bearing waste stream was not separate from the non-cyanide bearing waste streams. In May 2017, OCSD held a compliance meeting with Cal-Aurum to discuss the cyanide sampling point issue and the reclassification to a New Source facility with more stringent limits. A subsequent meeting was held at the facility in June 2017, during which a dye test was conducted to determine the level of difficulty to separate drain lines and provide a separate sampling point for the cyanide-bearing waste stream. It was concluded that the existing drain lines are comingled and there is no straightforward way of separating the cyanide-bearing wastewater.

In July 2017, OCSD conducted another inspection during which OCSD notified Cal-Aurum of the impending New Source reclassification and the required separation of the cyanide-bearing waste stream from the non-cyanide bearing waste streams. In September 2017, OCSD held a Compliance Meeting with Cal-Aurum to discuss the inspection findings and provide a compliance schedule to remedy the issues mentioned above. In October 2017, OCSD issued a Probation Order requiring separation of the cyanide-bearing waste streams from the non-cyanide bearing waste streams, and submittal of a waste management proposal by the end of December 2017.

From January through April 2018, OCSD conducted multiple follow-up Compliance Inspections to verify compliance with the Probation Order requirements. Due to Cal-Aurum's failure to complete the requirements by the December 2017 deadline, Compliance Requirement Letters were issued in January and February 2018, followed by a Compliance Meeting and revision of compliance schedule dates. Cal-Aurum finally completed the separation of cyanide bearing waste streams and the installation of the cyanide treatment system in April 2018.

July 1 – December 31, 2018

On **July 17, 2018**, Cal-Aurum had cadmium concentration and mass limit violations, for which a Notice of Violation was issued on **July 26, 2018**. Cal-Aurum removed cadmium from the processing lines some years back and has not had cadmium violations since then. On **August 1, 2018,** OCSD received a response letter from Cal-Aurum presenting the results of their investigation. Cal-Aurum analyzed and confirmed the high levels of cadmium in their split sample. Since the cadmium has already been eliminated from Cal-Aurum's process, Cal-Aurum investigated the recently installed ion exchange system. Cal-Aurum determined that the treated water from the ion exchange system was being contaminated by resin that had not been fully regenerated. Cal-Aurum contacted the supplier of the ion exchange canisters and discussed improvements in the QA/QC procedure to prevent future resin contamination.

OCSD will continue to monitor Cal-Aurum's discharge and compliance status on a quarterly basis.

Central Powder Coating (Permit No. 1-021189)

Central Powder Coating (CPC) is a medium-sized job shop powder coater and employs a conveyorized iron phosphate wash line plus a large manual spray wash booth for cleaning and surface treatment/conversion coating of the parts before powder coating. Wastewater generated at CPC comes from the manual spray booth plus intermittent discharges from the second chamber of the automated wash line. CPC's pretreatment system consists of a three-stage aboveground clarifier equipped with an automated pH controller and caustic solution addition into first stage of the clarifier.

July 1 – December 31, 2018

On June 26, 2018, CPC had a molybdenum violation for which a Notice of Violation was issued on **July 18, 2018**. On **August 1, 2018**, OCSD conducted a compliance inspection during which CPC attributed the source of the molybdenum violation to the discharge of spent phosphate solution into the clarifier. As part of the investigation, CPC discovered that their liquid iron phosphate formulation contained sodium molybdate, which caused the molybdenum violation. On **August 10, 2018**, CPC submitted a Corrective Action Plan to address the violation. Corrective actions included clarifier pump-out and replacement of the existing iron phosphate solution to a non-molybdate formulation. On **August 14, 2018**, CPC had another molybdenum violation for which a Notice of Violation was issued on **October 2, 2018**. CPC submitted a second corrective action letter on **October 8, 2018 i**ndicating that the company has not completely replaced their iron phosphate solution; hence the second molybdenum violation. CPC has since then converted to a non-molybdate formulation and further OCSD sampling results showed compliance.

OCSD will continue to monitor CPC's discharge and compliance status on a quarterly basis.

Cherry Aerospace (Permit No. 1-511381)

Cherry Aerospace (Cherry) is categorized as a non-ferrous metal former for titanium and nickel-cobalt, an aluminum former, and a metal finisher. Cherry conducts cold forming techniques to produce aerospace fasteners from materials made of aluminum, inconel, monel, stainless steel, and titanium. Cherry specializes in government and aerospace parts and is a major supplier of blind rivets. Wastewater is generated from plating, anodizing, washing, and other metal finishing operations, as well as forging, rolling, and drawing operations, and scrubber water. Cherry has high capacity segregated treatment trains, and all wastewater is discharged through the above ground flow monitored weir after-bay.

July 1 – December 31, 2018

On June 7, 2018, Cherry had a cyanide (total) violation for which a Notice of Violation was issued on **July 26, 2018**. On **August 7, 2018**, OCSD conducted a compliance inspection during which corrective actions were required to be completed by the company. Corrective actions taken by Cherry included proper record keeping and calibration of equipment, and more frequent ion exchange replacement to prevent a reoccurrence of this violation. The company was also asked to prepare updated facility drawings and process diagrams, as well as treatment procedures. On **December 4, 2018**, Cherry had a cadmium violation, for which a Notice of Violation was issued on **December 17, 2018**.

OCSD will conduct a compliance inspection during the next quarter to investigate the source of the cadmium violation and to confirm the implementation of other required items.

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 art work. Processes include photo imaging, silk screening, solder mask screening, dry-film developing and laminating, scrubbing, resist stripping, and etching. Circuit Technology does not have a pretreatment system. Spent solutions are wastehauled.

In February 2018, Circuit Technology had copper concentration and mass limit violations. In May 2018**,** OCSD conducted a Compliance Inspection during which Circuit Technology explained that the violations occurred during a clean-up operation by employees that normally don't work around the etcher, in preparation for an upcoming visit by the Fire Department. One of these employees reportedly used a rinse tank adjacent to the etcher to rinse out rags that were used to wipe up highly concentrated solution. Circuit Technology held a meeting with employees to discuss measures to be taken to maintain compliance with OCSD. OCSD staff recommended that this corrective measure be captured in an operations and maintenance manual.

July 1 – December 31, 2018

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

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

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

July 1 – December 31, 2018

On **July 30, 2018,** CJ Foods had a pH violation for which a Notice of Violation was issued on **August 22, 2018**. On **August 28, 2018,** OCSD conducted a compliance inspection during which CJ Foods indicated that on the day of the violation the caustic supply drum had run out. CJ Foods now maintains a backup drum for immediate replacement. Sampling performed during the inspection was compliant.

OCSD will continue to monitor CJ Foods' discharge and compliance status during on a quarterly basis.

Cooper and Brain, Inc. (Permit No. 1-031070)

Cooper and Brain, Inc. (Cooper & Brain) produces crude oil for delivery to chemical processing plants and oil refineries located in Wilmington, CA. The crude oil is extracted with groundwater from ground formations at various depths. Resultant water is discharged to the sewerage system.

July 1 – December 31, 2018

On **July 13, 2018**, Cooper & Brain had an oil & grease violation, for which a Notice of Violation was issued on **September 10, 2018**. On **September 17, 2018**, Cooper & Brain submitted a corrective action report to address the violation. The report attributed the O&G violation to a buildup of biomass and oils on the outside of the sample hose that was used to fill the grab jars. As a corrective action, Cooper & Brain has ensured that the sample hose was cleaned prior to sample collection. The resampling results showed compliance.

OCSD will continue to monitor Cooper & Brain's discharge and compliance status on a quarterly basis.

D.F. Stauffer Biscuit Co., Inc. (Permit No. 1-600414)

D.F. Stauffer Biscuit Co., Inc. (Stauffer) is a food processing facility where baked goods, including crackers and cookies, are produced. Wastewater is generated from the cleaning and sanitizing of equipment and processing rooms. All wastewater is collected through floor drains and directed to a three-stage clarifier with sample box.

Stauffer has issues maintaining pH compliance due to the acidic cleaning agents used onsite and fermentation of the high strength (BOD/TSS) wastewater in the clarifier prior to discharge.

In March 2018, Stauffer had a pH violation for which a Notice of Violation was issued**.** In June 2018, OCSD conducted a Compliance Inspection during which another pH violation was detected, indicating a chronic concern for pH exceedances. Later that month**,** Stauffer installed a caustic drip system in the washroom for interim compliance until a permanent long-term solution is installed.

July 1 – December 31, 2018

The pH violation during the Compliance Inspection on June 6, 2018 was issued a Notice of Violation on **July 19, 2018**. D.F. Stauffer is working on securing and installing a new permanent pH adjustment system, which is expected to be fully installed by May 2019. Stauffer had no further pH violations during this reporting period. OCSD staff will continue to work with D.F. Stauffer providing guidance for implementation of the new pretreatment system.

Darling International, Inc (Permit No. 1-511378)

Darling International collects and treats waste from interceptors, clarifiers, and grease traps of food service establishments within the Southern California Region. Hauled waste is taken back to the facility yard and treated with lime and polymer to enhance separation of solids and liquids. The solids are dewatered in large rectangular vessels and allowed to dry. The wastewater is then collected and discharged to the sewer. The wastewater discharge permit authorizes Darling to discharge wastewater from the treatment of grease trap waste from restaurants, cafeterias, or other similar facilities, but not yellow grease or cooking oil. In addition, processing of grease from industrial kitchens, car washing facilities, metal recycling yards, or other sources of industrial or hazardous wastes is prohibited. Any generator sources outside of OCSD's service area must have a profile submitted in advance to OCSD for review and acceptance.

July 1 – December 31, 2018

On **August 28, 2018**, Darling had a pH violation for which a Notice of Violation was issued on **October 22, 2018**. On **November 16, 2018**, OCSD conducted a compliance inspection during which Darling staff stated that pH monitoring is achieved through the use of pH strips at various points in the process including the wastewater collection sump. However, no pH logs are kept. The pH violation occurred because the pH adjustment process was only manually completed by the operators and the level of monitoring using pH strips was inadequate. In addition, the pH fluctuates due to the biologic nature of the type of waste. Corrective actions included installation of a pH meter and pH recorder and operator training.

OCSD staff will continue to monitor Darling'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. Currently, there is no pretreatment present.

July 1 – December 31, 2018

On **November 5, 2018,** Dr. Smoothie had a minor pH violation for which a Notice of Violation was issued on **November 20, 2018**. On **December 6, 2018,** OCSD conducted a compliance inspection during which OCSD indicated that pH treatment may be necessary to ensure consistent compliance, particularly since the pH levels of some of the fruit concentrate products they process are below the local limit of 6.0. Sampling performed during the inspection on **December 6, 2018** was again noncompliant for pH, and a Notice of Violation was issued on **December 17, 2018**.

Escalated enforcement at Dr. Smoothie will be pursued in the upcoming reporting period.

Electro Metal Finishing (Permit No.1-021158)

Electro Metal Finishing performs powder coating and liquid paint spray on a variety of parts, typically aluminum or stainless steel, that are received from outside customers. Power coating process at Electro Metal includes cleaning in heated iron phosphate solution followed by rinsing with city water. Wastewater is generated from rinse tank which is pumped to a batch treatment tank once a week for PH adjustment followed by chemical precipitation of solids. After completion of treatment, a sample will be sent to an outside lab to ensure compliance with zinc and copper limits, before discharging the wastewater to the sewer.

July 1 – December 31, 2018

On **August 23, 2018**, Electro Metal Finishing had a molybdenum violation, for which a Notice of Violation was issued on **September 28, 2018**. On **October 9, 2018**, OCSD conducted a compliance inspection during which it was concluded the chemical used in iron phosphate bath was the source of the molybdenum violation.

Electro Metal Finishing agreed to stop discharging and to search for an alternate chemical for their iron phosphate tank. While testing for a new chemical, the company hauled off all the wastewater generated at their facility.

OCSD will continue to monitor Electro Metal's discharge and compliance status on a quarterly basis.

Electron Plating III, Inc. (Permit No. 1-021336)

Electron Plating III, Inc. (Electron Plating) is a job shop metal finishing facility that takes in metal parts from various customers and surface finishes them with chromate-based chemfilming, dye coloring, zinc plating, and aluminum anodizing. The parts come primarily from the automotive, home improvement (bathroom fixtures), and construction industries. Alkaline and acidic pre-cleaners are used, along with drag-out tanks after most process solutions, followed with running rinses. A standard continuous hydroxide-based pretreatment system is used for heavy metals removal, along with a hexavalent chrome reduction module with automated pH and ORP controls. A large lamella-type clarifier is used for solids settling, and a filter press is used for solids dewatering.

In October 2017, Electron Plating had copper and pH violations. In January 2018**,** OCSD conducted a compliance inspection and resampling during which Electron Plating indicated that the violations resulted from mishandling of the spent anodize process solution during replacement. As a corrective measure, Electron Plating retrained its workers on the proper replacement of spent solutions and had its environmental consultant evaluate and perform maintenance on the treatment system. Results of resampling showed compliance for copper and pH but not for cadmium. Thus**,** OCSD conducted a follow-up compliance inspection in which it was determined that the only source of cadmium onsite was the nitric acid stripping. OCSD suggested use of a static rinse to reduce carryover from that process, which Electron Plating implemented.

July 1 – December 31, 2018

Electron Plating had no further violations during this reporting period. OCSD will continue to monitor Electron Plating's discharge and compliance status on a quarterly basis.

Excello Circuits Manufacturing Corp (Permit No. 1-521855)

Excello Circuits Manufacturing Corp. (Excello) is a full-service printed circuit board manufacturer. Wastewater is generated from rinsing after inner-layer preclean and photo resist develop, etch, and stripping processes, then outer-layer electroless copper plating, photo print developing, and copper/tin pattern plate plus etch and strip processes. The wastewater treatment system at Excello consists of an ion exchange (IX) recycling system for metal-bearing rinses, and a batch treatment system for spent process solutions, mainly acid precleaners. Spent copper etchant is wastehauled offsite along with other spent process solutions. Sludge from the batch treatment process is dewatered with a filter press and wastehauled offsite. Non-metal bearing processes wastestreams and rinsewater from photo resist and soldermask developing, along with resist strip rinsing, are discharged to the sample point without treatment.

In June 2017**,** Excello had a copper violation for which a Notice of Violation was issued. In August 2017, OCSD conducted a compliance inspection during which OCSD noted that although the batch treatment system was operational for some wastestreams, the continuous IX pretreatment system had been disconnected. The company also had an inadequate collection sump where metal-bearing wastewater would overflow to the non-metal bearing wastewater chamber and flow directly to the sewer without treatment. Furthermore, several metal-bearing wastestreams were connected to the non-metal bearing plumbing and bypassing treatment. In September 2017, OCSD conducted a Compliance Inspection and issued an Order to Cease Noncompliant Discharges.

In October 2017, Excello had another copper violation for which a Notice of Violation was issued. Excello indicated that the copper exceedance was due to troubleshooting during the re-installation of their IX pretreatment system. OCSD conducted resampling and the results showed compliance. OCSD held a

Compliance Meeting with Excello, during which Excello was informed of the requirement to segregate non-metal and metal-bearing wastestreams and to operate the continuous pretreatment system at all times the facility is discharging. OCSD also required Excello to submit updated plans and drawings with an accompanying waste destination and tank schedule, and to perform wastewater characterization.

In December 2017, OCSD issued a Compliance Requirement Letter reiterating the items discussed during the October 2017 Compliance Meeting. Specifically, the letter addressed the need for an improved treatment system and operational controls, updated facility drawings, elimination of bypass wastestreams, and requirements for wastewater characterization.

In April 2018, OCSD detected further copper violations during a downstream monitoring conducted at Excello. In May 2018**,** OCSD issued an Order to Cease Noncompliant Discharges to Excello in regard to copper exceedances from the downstream sampling. In June 2018**,** OCSD held a compliance meeting with Excello to address the downstream results. Excello stated that the exceedances are due to errors in the batch treatment process, and that new treatment chemistry and a new filter press were going to be implemented to correct the non-compliance.

July 1 – December 31, 2018

On **July 23, 2018**, OCSD issued a Probation Order requiring Excello to implement corrective actions associated with copper violations. Excello had another copper violation on **July 31, 2018** for which a Notice of Violation was issued on **August 23, 2018**. On **November 5, 2018**, OCSD conducted another Compliance Inspection. To meet the Probation Order requirements, the company replumbed several lines and modified treatment with new equipment and upgrades but failed to meet the compliance schedule dates. On **November 8, 2018**, OCSD issued another Compliance Requirement Letter for failure to meet Probation Order deadlines. Excello is currently bringing the new system on-line and is expected to be able to maintain compliance with appropriate operational control over treatment.

OCSD will verify completion of all Probation Order items at Excello in the next reporting period.

FMH Aerospace Corp DBA FMH Corporation (Permit No. 1-571331)

FMH Aerospace Corp (FMH) is a manufacturer of complex fabricated components including expansion and flexible joints, formed and welded metal bellows, high pressure (braided) gas or fluid transfer lines, and pressurized ducts for aerospace, commercial, industrial, military/defense, and transportation applications. Many of the fabricated parts require extensive production tooling, therefore, a large portion of the facility is dedicated to general machine shop operations. Wastewater is generated primarily from the rinses following the surface cleaning and finishing operations performed on the metal parts during the various manufacturing stages, contact cooling for seam (resistance) welding, and secondarily by hydrostatic testing and fluorescent penetrant inspection conducted on the assemblies. The pretreatment system at FMH consists solely of pH adjustment.

In October 2016, and April and May 2017, FMH had silver violations. In July 2017, FMH had another silver violation. In August 2017, FMH had chromium, copper, lead, nickel, silver, and zinc violations. In December 2017, OCSD issued an Order to Cease Noncompliant Discharges and held a Compliance Meeting with FMH to discuss corrective actions that FMH planned to implement to return to long-term compliance. During the Compliance Meeting, FMH informed OCSD that the company had purchased and already installed a new silver recovery/electrowinning unit to prevent further silver violations. FMH also indicated that the heavy metal violations that occurred in August most likely resulted from cross-contamination from the dust generated during floor resurfacing in their machine shop. Fine metal particulates had accumulated on the floor over the years of machining operations, and during floor resurfacing, dust containing metal particulates found its way to the sample point.

In March 2018, FMH had another silver violation, for which a Notice of Violation was issued. In May 2018, OCSD conducted a Compliance Inspection during which FMH indicated that the company's contract laboratory was analyzing the split sample and plan to appeal if the sample results were compliant. However,

the split sample results were also noncompliant. As a result**,** OCSD issued a Second Order to Cease Noncompliant Discharges. In June 2018, OCSD held a Compliance Meeting with FMH, during which FMH attributed the silver violation to a fault in the internet connectivity that halted the silver recovery system. FMH also informed OCSD that they have doubled the capacity of their silver recovery system and that all the filters will be replaced every quarter.

July 1 – December 31, 2018

On **July 11, 2018,** OCSD issued a Compliance Requirement Letter directing FMH to collect silver recovery waste in a batch discharge tank and maintain a batch discharge log. FMH was required to test each batch for compliance and to discharge only if the testing demonstrated compliance with the silver limits. Additionally, FMH was required to maintain waste manifests and make them available to OCSD upon request. On **July 27, 2018**, FMH had another silver violation, for which a Notice of Violation was issued on **September 4, 2018**. On **September 25, 2018**, OCSD conducted a Compliance Inspection during which FMH indicated that the source of silver violation was silver residue on the floor of the X-Ray film processing room that was deposited prior to significant changes in the film processing equipment and process. The drain that captures water from the processor rinse and rinse sink had backed up causing water to back up on the floor. The effort to unclog the drain caused the water that backed up on the floor to discharge, thereby causing a silver violation. On **October 9, 2018**, FMH submitted a root cause corrective action report to address the violation. Corrective actions consisted of replacing the rinse sink, cleaning the floor to remove silver residue which included waste hauling the residue and painting the floor, and setting up a closed loop system for the processor rinse and rinse sink.

OCSD will conduct a follow up inspection in the next quarter to confirm the completion of the corrective actions.

Hanson-Loran (Permit No. 1-031107)

Hanson-Loran manufactures water-based floor finishers and specialty cleaners for distribution and sales by various independent contractors. The processes include dry blending (from which there is no wastewater discharge) and wet blending. The dry blending process is located inside the building, where dry powders are blended to produce Hanson-Loran's industrial cleaners. Wet blending is accomplished in four mixing tanks at the rear of the building. Products include floor cleaners, waxes, strippers, cleaners, degreasers, sanitizers, disinfectants, and soaps. Hanson-Loran's treatment system consists of an underground three-stage clarifier with manual pH adjustment using pH paper and addition of granulated citric acid.

In October 2017, Hanson-Loran had pH violations for which Notices of Violation were issued. In November 2017, OCSD conducted a Compliance Inspection and resampling. The resampling results showed compliance. However, noting that the treatment system lacked adequate control, OCSD advised Hanson-Loran to take corrective measures to prevent further pH noncompliance. Hanson-Loran installed an automated pH control system to prevent further pH violations. During OCSD's routine sampling in June 2018, a variation in pH readings was noted at different depths in the sample point, indicating a lack of proper mixing. Hanson-Loran was informed that the representative volume of wastewater being sampled should be sufficiently mixed so that the pH readings are consistent across the entire depth of the sample point.

July 1 – December 31, 2018

Hanson-Loran installed a second probe to verify the pH following adjustment in the clarifier. Hanson-Loran had no further violations during this reporting period.

OCSD will continue to monitor Hanson-Loran's discharge and compliance status on a quarterly basis.

Hixson Metal Finishing (Permit No. 1-061115)

Hixson Metal Finishing (Hixson) is a large metal finishing job shop. Various metallic parts from the aviation, automotive, and electronics industries are received for surface finishing with aluminum chemfilm and dyeing,

cadmium, copper, and nickel electroplating, stainless-steel passivation, as well as a multitude of chemical precleaning and surface activation processes. Wastewater is generated from the rinses used in the various surface finish processes and fume hood wash water. The wastewater treatment at Hixson consists of cyanide destruction and chrome reduction followed by heavy metals precipitation using caustic soda for pH adjustment, coagulant injection, followed by polymer/flocculation and solids settling in a lamella clarifier and removal to a sludge thickening tank. Overflow from the clarifier is discharged to a sample box, while the sludge is dewatered with a filter press. Filtrate from the press is plumbed to the heavy metals precipitation module for further treatment.

In October, November, and December 2017, Hixson had cadmium and nickel violations. In December 2017, OCSD held a Compliance Meeting with Hixson. At the meeting, OCSD also pointed out the increasing levels of water usage, as well as wastewater generation and discharge, noted at Hixson's facility. The two sampling events in October and November 2017 reported effluent flows of 55,000 gallons and 60,000 gallons per day, respectively, which were well above the permit flow-base of 39,000 gallons per day. Hixson stated that the new anodize line that had been under construction for the past 3-4 years had finally come online over the summer, and the facility was having issues with the conductivity rinse controls installed in various rinse tanks on the new line; the flow controllers were not shutting off due to unanticipated high TDS / mineral concentrations in the influent city water. OCSD highlighted the concern that Hixson's existing pretreatment system may be undersized for the higher flows, thereby losing its treatment efficiency and effectiveness for reduction of heavy metals, particularly cadmium and nickel, which are Hixson's primary metals of concern. The higher water consumption and outflows also created a dilution condition at the facility. Hixson acknowledged the situation and stated they were working on a solution.

In February 2018, OCSD issued an Order to Cease Noncompliant Discharges due to the numerous violations of cadmium, copper, chromium, and nickel detected during downstream monitoring of Hixon's discharge. In March 2018, OCSD held a compliance meeting with Hixson, where Hixson agreed to a Settlement Agreement to address their continued noncompliance. OCSD also conducted a Compliance Inspection during which pretreatment deficiencies were identified including lack of operating procedures and lack of pretreatment system control and maintenance. These deficiencies were addressed in the initial Settlement Agreement sent to Hixson in May 2018.

July 1 – December 31, 2018

The final Settlement Agreement was issued on **September 27, 2018** and became effective on **October 18, 2018**. On **November 28, 2018**, as required in the Settlement Agreement, Hixson submitted a Waste Management Plan, an Industrial Waste Characterization, an Operation and Maintenance Manual, and a proposal to install an Ion Exchange System. The Ion Exchange system was required as a result of a change from Pretreatment Standards of Existing Sources (PSES) to Pretreatment Standards of New Sources (PSNS).

On **October 3, 2018**, OCSD was alerted of a slug discharge at Hixson that occurred in the evening of **September 29, 2018**. Approximately 300 gallons of a 10% chromic acid solution was spilled into a secondary containment area due to a leak from a broken flange gasket going to the chiller pump from a process tank. An empty piping conduit in the wall between the secondary containment and the pretreatment area caused the spilled solution to enter the acid rinse holding tank, and through pretreatment system. On **October 2, 2018**, Hixson had chromium and silver violations coinciding with this slug discharge, for which a Notice of Violation was issued on **October 11, 2018**. On **October 11, 2018**, OCSD conducted a Compliance Inspection, and on **October 17 & 18, 2018**, OCSD conducted resampling. It was determined during the inspection that the piping conduit between secondary containment and the pretreatment area had been capped. The resampling also yielded compliant results.

OCSD will continue to monitor Hixson's discharge and compliance status on a quarterly basis.

Industrial Metal Finishers (Permit No. 1-521828)

Industrial Metal Finishers (IMF) is a specialty processing job shop performing wet and dry surface finishing operations on customer supplied parts of aluminum, carbon and stainless steel, and titanium. IMF does not have any categorically regulated metal finishing operations and is therefore permitted exclusively under local limits. Parts are used in aerospace, commercial, communication, industrial, medical, and military/defense applications. Dry mechanical operations include shot peening, dry abrasive blasting, and liquid honing. Wastewater is generated through wet deburring or tumbling, and ultrasonic cleaning. Wastewater is directed to a batch tank treatment system where the pH is adjusted and flocculent is added to precipitate metals prior to discharge through a polishing micron filter into the floor sink sample point.

July 1 – December 31, 2018

On **December 7, 2018**, IMF had a pH violation. OCSD will issue a Notice of Violation and conduct a compliance inspection during the next quarter.

Kenlen Specialties, Inc. (Permit No. 1-021171)

Kenlen Specialties, Inc. (Kenlen) is job shop powdercoater. The company works on aluminum and steel parts, which undergo a washing step prior to painting or powder coating. Washing is done through a three-stage conveyorized automated washing machine with iron phosphate solution to remove any oil or other contaminants on the parts, followed by a dragout rinse and final rinsing with deionized water. The rinsewater is discharged directly from the machine to the sewer through the above ground sample box.

July 1 – December 31, 2018

On **October 2, 2018**, Kenlen had molybdenum and zinc violations, for which a Notice of Violation was issued on **October 11, 2018**. On **October 30, 2018**, OCSD conducted a Compliance Inspection during which it was determined that the iron phosphate solution used by Kenlen contained molybdenum and that the violations were a result of dragout entering the rinsewater. Kenlen stated they would instruct their employees to use the dragout to replenish the process bath instead of emptying collected dragout into the rinse tank. OCSD directed Kenlen to not dispose of remaining molybdenum-based solution to the sewer without treatment. Kenlen is considering replacing their existing iron phosphate solution with a non-molybdate formulation.

OCSD will continue to monitor Kenlen's discharge and compliance status on a quarterly basis.

Kinsbursky Brothers Supply, Inc. (Permit No. 1-021424)

Kinsbursky Brothers Supply Inc. (Kinsbursky) operates a large recycling and reclamation facility where lead/ nickel cadmium batteries and automobile catalytic converters are brought in to be dismantled. The lead cathode/anode plates are removed from the battery cases and the electrolyte solution is drained and filtered then transferred to Kinsbursky's pretreatment area. Plastic battery cases are also cleaned and shredded into granules for shipment to offsite vendors and further recycling. Wastewater at Kinsbursky comes primarily from the removal and treatment of the electrolyte solutions from the batteries, plus plate cleaning and floor washdown water. The pretreatment at Kinsbursky consists of pH adjustment and solids precipitation / filtration before discharge to a sample box / floor drain with sewer connection.

In January 2018, Kinsbursky had a cadmium violation for which a Notice of Violation was issued. In March 2018**,** OCSD conducted a Compliance Inspection and resampling during which Kinsbursky explained that the cadmium violation had occurred due to the unusually high volume of Ni/Cd batteries processed that day and the pH was not adjusted properly for cadmium to precipitate. Kinsbursky had taken prompt action by limiting processing of Ni/Cd batteries until further process adjustments are made. Furthermore, the company will ensure that wastewater treatment operator is notified prior to processing cadmium batteries so that treatment can be adjusted as necessary to achieve a higher pH. Additionally, Kinsbursky is researching additives for more effective metal precipitation and will notify OCSD prior to making any changes. Subsequent sampling and self-monitoring showed compliance.

July 1 – December 31, 2018

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

Legendary Baking of California, LLC (Permit No. 1-600294)

Legendary Baking of California, LLC (Legendary Baking) is a pie manufacturing company. Operations include dough mixing, filling mixing, assembly, baking, freezing and packaging. Wastewater is generated from the washing of mixing and baking equipment and tools. Wastewater is sent to an underground clarifier for solids removal, then to a pH adjustment/recirculation system with a static mixer.

July 1 – December 31, 2018

On **September 4 & 5, 2018**, Legendary Baking had pH violations, for which Notices of Violation were issued on **October 11, 2018**. On **October 17 & 18, 2018**, OCSD conducted a compliance inspection and resampling during which it was determined that the pH controller was malfunctioning, and a new one had been installed. On **November 5, 2018**, Legendary Baking had another pH violation. On **November 6 & 7, 2018**, OCSD conducted a follow-up inspection and resampling during which it was determined that the circulation pump inside the clarifier had been knocked over and unplugged. Legendary Baking hard-wired the circulation pump to directly to an outside power box to eliminate the pump being disconnected. Although OCSD's resampling results yielded positive results, data submitted by Legendary Baking indicated multiple days where the pH continued to be out of compliance. There seemed to be miscommunications regarding responsibilities between the facility, and their environmental consultant, Shepard Bros. (i.e. pretreatment system maintenance, troubleshooting, chemical inventory and supply, etc.).

OCSD will issue a Compliance Requirements Letter requiring Legendary Baking to attend a Compliance Meeting in the next quarter.

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, chromium reduction, neutralization, flocculation/settling, sludge holding, filter pressing, and final clarification. The batch treatment tank is used for manually treating spent cleaners.

In August 2017**,** LM Chrome had a cyanide (total) violation, for which a Notice of Violation was issued. Later in the month, OCSD conducted resampling and the results also showed a cyanide (total) violation. In September 2017, LM Chrome sent OCSD a letter describing the corrective actions LM Chrome planned to implement, including close monitoring of the chemical feed pumps to ensure delivery of the appropriate amount of chemicals for cyanide treatment; ensuring that the pH and ORP probes are operating optimally; and sampling each treated batch to ensure compliance (via analysis by an independent laboratory) prior to discharging to the sewer. In October 2017, OCSD conducted a Compliance Inspection and resampling, during which OCSD noted that LM Chrome was maintaining cyanide batch discharge logs. However, each treated batch is only tested for compliance using cyanide test strips. The resampling results showed compliance.

In January 2018, LM chrome had another cyanide violation for which a Notice of Violation was issued. In May 2018, OCSD conducted a Compliance Inspection and routine sampling, during which OCSD noted that LM Chrome had started keeping daily logs of its pretreatment system operating parameters including the pH and ORP settings and the cyanide test strip results of each treated cyanide batch. The sample, however, yielded another cyanide violation for which a Notice of Violation was issued.

July 1 – December 31, 2018

On **July 25, 2018**, OCSD issued LM Chrome an Order to Cease Noncompliant Discharges. On **August 7, 2018**, OCSD held a compliance meeting with LM Chrome to discuss corrective action for cyanide pretreatment. On **October 22, 2018**, OCSD sent LM chrome a Compliance Requirement Letter directing the company to install an automated cyanide destruction system, perform multi-day verification sampling following system installation, and provide formal wastewater treatment training/certification for the pretreatment operators. On **November 28, 2018**, OCSD conducted a follow-up inspection and verified the automated cyanide destruction system. The results of multi-day verification sampling showed compliance.

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

LSW Enterprises, LLC (Permit No. 1-521863)

LSW Enterprises, LLC (LSW) is a facility that receives, renders, and treats used cooking oil and grease trap waste from food service establishments. LSW removes solid particles and water from received waste; the used cooking oil and grease are then sold on secondary markets or exported to refineries for biofuel production. The wastewater is pH adjusted prior to discharge to the sewer.

In August 2017, the City of Anaheim reported solid blockage caused by the presence of oil and grease in the sewer downstream of LSW's facility. In response to the City of Anaheim's sewer blockage report**,** OCSD issued an Order to Cease Noncompliant Discharges (Cease Order) requiring LSW to take immediate action to ensure compliance with OCSD's Ordinance. In September 2017, OCSD held a Compliance Meeting with LSW, in which LSW agreed to discontinue certain practices which were thought to be causing the excessive discharge of oil and grease to the sewer.

In February 2018, the City of Anaheim reported another sewer blockage downstream of LSW's facility. OCSD immediately conducted a Compliance Inspection, during which OCSD observed an active flow of excessive amounts of oil and grease material downstream of LSW's facility. OCSD issued a second Cease Order requiring LSW to cease noncompliant discharge of excessive oil and grease into the OCSD's sewerage system. OCSD also issued a Compliance Requirement Letter requiring LSW to install a final holding tank and an effluent flow meter. LSW requested and OCSD granted an extension to complete the installation by June 2018, which LSW had failed to comply with.

OCSD conducted follow-up inspections of the facility from March through June 2018. During each inspection, LSW attempted to interfere, delay, resist, or refuse site access to OCSD staff. LSW had also refused to provide documentation related to the handling and disposition of wastewater generated at the facility. Furthermore, LSW accepted and treated material containing wastewater from outside OCSD's service area without prior approval, which is a violation of the special conditions in LSW's permit and OCSD's Ordinance. OCSD issued more Cease Orders in April and June 2018, and another Compliance Requirements Letter in May 2018, in response to LSW's ongoing noncompliance with permit and Ordinance conditions.

July 1 – December 31, 2018

On **July 11, 2018**, OCSD held a compliance meeting with LSW during which LSW presented an inaccurate characterization of their actions with respect to compliance with the permit and OCSD's ordinance since enforcement actions began in 2018. Despite involvement of LSW and OCSD legal representation, LSW's intentions and commitment to attaining compliance were unclear as they have failed to make progress in that respect over an extended period of time. As a result of their continued non-compliance, LSW ceased wastewater discharge and requested to discontinue the Class 1 permit, which became void as of **July 19, 2018**. LSW's permit is void and wastewater discharge has ceased.

Manufactured Packaging Products (Permit No. 1-521793)

Manufactured Packaging Products (MPP) manufactures corrugated containers, primarily cardboard boxes for grocery, electronics, and retail industry packaging needs. Corrugated sheet stock is purchased from offsite vendors, and then run through flexographic printers using food grade inks of various colors. Finished

containers are packaged for shipment to customers on pallets or stacked and shrink wrapped for shipment. Wastewater is generated from the washdown of the printer plates and ink containers on the printers during ink color changeouts. The water is collected in trenches to a sump and then pumped out to MPP's wastewater treatment system, which consists of hydroxide precipitation and solids removal using a rotary drum filter.

In March 2018, MPP had copper and molybdenum violations for which a Notice of Violation was issued. In May 2018, OCSD conducted a Compliance Inspection during which MPP attributed the source of both violations to a faulty pH probe in the treatment equipment. Additionally, the maintenance personnel put the treatment system in manual mode instead of the automatic, due to issues with the pH probe. The operators continued to inject chemicals manually thereby not allowing a proper coagulation process. MPP's corrective action consisted of replacing the defective probe, maintaining additional pH probes on site, and re-training the staff on proper operation of treatment system, safe use of chemicals, controls, instrumentation, and documentation. The resampling results showed compliance. MPP was published as significantly non-compliant for copper and molybdenum discharge violations.

July 1 – December 31, 2018

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

Marukome USA, Inc. (Permit No. 1-141023)

Marukome USA, Inc. (Marukome) is a manufacturer of miso paste from cooked soybeans and rice. The facility also makes a small amount of miso dressing produced from a vinegar base. Most of the wastewater is generated by the draining of washed and soaked soybeans and rice, and the remaining water is used for the cleaning of the equipment used in the production operation. Cleaning occurs at least once a day and includes the food processing equipment as well as the transporting bins. Wastewater is pH adjusted prior to discharge to the sewer.

July 1 – December 31, 2018

On **August 8, 2018**, Marukome had a pH violation, for which a Notice of Violation was issued on **August 22, 2018**. On **September 6, 2018**, OCSD conducted a Compliance Inspection, during which Marukome identified the source of pH violation to an empty caustic soda barrel. During the investigation, Marukome discovered that the caustic soda barrel which is used to adjust pH was at its empty point. The line was temporarily shut off for exchanging drums as there was not an extra drum available at hand. This caused a greater lag time and pH dropped to non-compliant levels. Marukome submitted a corrective action letter to address this violation. The company indicated that they will have a representative employee who will closely monitor caustic soda levels and inform management if the levels drop to a level that can cause pH violations. Additionally, Marukome will keep an extra drum near the current drum to eliminate lag time in between caustic change-outs.

OCSD will continue to monitor Marukome's discharge and compliance status on a quarterly basis.

Murrietta Circuits (Permit No. 1-521811)

Murrietta Circuits (Murrietta) is a printed circuit board manufacturer. Murrietta's wastewater pretreatment system consists of a twin bank ion exchange system for treatment of select rinse water streams, and a batch treatment system for handling spent process chemicals plus drag-out rinses and ion exchange regeneration. The IX system effluent is adjusted for pH then discharged through two cylindrical tanks equipped with a final pH monitor before discharge to the sewer.

July 1 – December 31, 2018

On **December 10, 2018**, Murrietta Circuits had a pH violation.

OCSD will issue a Notice of Violation in the next quarter and pursue escalated enforcement.

Nalco Cal Water, LLC (Permit No. 1-521748)

Nalco Cal Water, LLC (Nalco) performs ion exchange tank regeneration on both cation, anion, and mixed bed resins. Cation regeneration uses acidic solutions and anion regeneration uses alkaline solutions in the regeneration process. Wastewater from the regeneration process is discharged to floor drains, collected, and pumped to a 1025-gallon collection tank where it is directed into either an acidic or alkaline wastewater holding tank based on the pH set point of 8.5. Water is then blended and discharged through the sample point. Nalco stated the columns regenerated are only used in purifying fresh incoming city water, and no columns are used in treatment of industrial waste streams.

In September 2017, during a downstream operation along Petra Lane in Placentia, OCSD noted that significant variations in pH were observed with continuous pH data loggers. It was determined that the pH of wastewater discharged from Nalco exceeded both the high and low limits, with pH concentrations recorded as high as 13.71 S.U. and as low as 0.81 S.U. In October 2017, OCSD issued an Order to Cease Noncompliant Discharges to Nalco. OCSD also conducted a Compliance Inspection, which confirmed issues with overflow of non-neutralized wastewater through the sample point to the sewer, followed by a Compliance Meeting with Nalco where the company provided plans to rectify their wastewater discharge and treatment issues. During the meeting, Nalco provided OCSD with a proposal to address interim plans, as well as long-term plans, for compliance. Interim solutions included modification of pH set points and calibration procedures, continuous pH recording, and corrections to spill containment overflow. Long-term solutions included a timeline to install a reconfigured pretreatment system that would operate as a batch system rather than operating continuously.

In December 2017, OCSD held a second Compliance Meeting with Nalco to get an update on the plans, and to bring the Nalco's parent company, Ecolab, into discussions for the long-term solution. Nalco presented updated plans for a new batch treatment system, complete with monitoring points installed for the purpose of maintaining compliance with the pH discharge limits.

In January 2018, OCSD issued a Compliance Requirement Letter to approve Nalco's project timeline and implementation of their new treatment system. Although Nalco did not meet the anticipated installation completion and system operational timeline of April 2018 due to equipment procurement issues, the company has made considerable progress in implementing various interim controls to stay in compliance. Nalco has made biweekly progress reports as required and kept OCSD updated in advance of all operational changes.

July 1 – December 31, 2018

On **July 23, 2018**, OCSD conducted a Compliance Inspection to verify the updated treatment system configuration and implementation of new treatment. The company has made the required corrections and is expected to have greater control over the pH of their discharge.

OCSD will continue to monitor Nalco's discharge and compliance status on a quarterly basis.

Performance Powder, Inc. (Permit No. 1-011115)

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 6-stage wash line which includes alkaline cleaning, iron phosphate surface conversion followed by city water rinse, DI water rinse and RO water rinse. Wastewater is generated from rinsing stages of wash line and is pumped to a 3-stage above ground clarifier where it drains to the sewer from final stage.

July 1 – December 31, 2018

On **October 9, 2018**, Performance Powder had a molybdenum violation, for which a Notice of Violation was issued on **October 22, 2018**. On **October 30, 2018,** OCSD conducted a Compliance Inspection and resampling during which it was concluded that overflow from the iron phosphate tank was the cause of the violation. Sodium Molybdate is present in the chemical used in the iron phosphate solution. Performance Powder proposed using an alternate non-molybdenum base chemical as a corrective action. Additionally, Performance Powder replaced the float valve in the iron phosphate tank to avoid future spills. The resampling results showed compliance.

OCSD will continue to monitor Performance Powder's discharge and compliance status on a quarterly basis.

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

Platinum Surface Coating, Inc. (Platinum) performs copper, nickel, and chrome electroplating of aluminum and steel auto rims and centers, plus other types of metal parts brought in by outside customers. All the rinses at Platinum are static and are changed out once a week. Spent chemicals and rinses are segregated and treated in batches. Treatment process includes chrome reduction, CN destruction, pH adjustment, and mixing and settling of heavy metals in a settling/treatment tank. Chrome reduction/CN destruction batches are treated separately prior to getting comingled with the rest of metal-bearing wastewater. Some of the spent process solutions (e.g. from acid tanks) are hauled off.

In May 2018, Platinum had a cyanide violation for which a Notice of Violation was issued. Platinum tests each batch prior to discharge to ensure compliance and did not have an indication of non-compliance in their testing. However, OCSD had noted that Platinum was collecting cyanide samples from the end of pipe. In June 2018, OCSD conducted a Compliance Inspection and resampling, during which OCSD directed Platinum to collect cyanide samples from the appropriate sampling location to verify that cyanide has been destroyed prior to commingling with non-cyanide bearing wastestreams. Platinum began to cover the final holding tank to avoid any cross-contamination or accidental discharge of untreated wastewater into the tank by the workers. The resampling results showed compliance.

July 1 – December 31, 2018

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

Precision Anodizing & Plating, Inc. (Permit No. 1-521809)

Precision Anodizing & Plating, Inc. (Precision Anodizing) performs sulfuric anodizing, bright dipping, zinc chloride and alkaline zinc electroplating, chrome conversion coatings, dye coloring, and sealing with nickel acetate and sodium dichromate for the various parts from the construction and automotive industries, plus larger enclosures/cabinets for the medical and computer/electronics industries. Wastewater generated at Precision Anodizing includes the rinse waters from the wet process lines, which are directed to a continuous pretreatment system. Pretreatment at Precision Anodizing includes a dual train, one for anodize wastewater and one for general metals/zinc-nickel wastewater and consists of pH adjustment, mixing, and heavy metals precipitation. Precision Anodizing also employs a chrome reduction module for treatment of rinse waters after chemfilm and chromate conversion coating processes.

In May 2018, Precision Anodizing had a zinc violation for which a Notice of Violation was issued. In June 2018**,** OCSD conducted a Compliance Inspection and resampling, during which high level of sludge was observed in Precision Anodizing's two clarifiers. Thus, carry-over of sludge into the sample box has been determined to be the most likely cause of the zinc violation. At that time, Precision Anodizing only had a small filter press which was limiting the ability to remove the sludge from the clarifiers in a timely manner. Precision's corrective action included addition of a new filter press, reduction of the flow rate of the process rinses to increase retention time and avoid future sludge carry-over into the sample box, and more frequent cleanup of the sample box.

July 1 – December 31, 2018

Precision Anodizing had no further violations during this reporting period. OCSD will continue to monitor Precision Anodizing's discharge and compliance status on a quarterly basis.

Precision Circuits West, Inc. (Permit No. 1-011008)

Precision Circuits West, Inc. (Precision Circuits) is a job shop manufacturer of printed circuit boards for commercial, industrial, medical, military/defense, and telecommunication applications. Wastewater generating operations include acid cleaning, ammonium etching, aqueous fume scrubbing, automatic scrubbing, Cobra-Bond (brown oxide), copper plating, microetch, photo-film developer/fixer, predip, resist stripping, rinsing (running, spray, static), screen cleaning, screen making, sulfuric predip, tin plating, tin predip, and tin stripping. Precision Circuits utilizes a continuous hydroxide precipitation system for wastewater treatment.

In May 2018, Precision Circuits had a copper violation for which a Notice of Violation was issued. In June 2018, OCSD conducted a Compliance Inspection and resampling. Precision Circuits could not identify the source of the copper violation other than the solids buildup in Precision Circuits' sample box. Precision Circuits had the clarifier and sample box cleaned out upon learning of the violation. The resampling results showed compliance.

July 1 – December 31, 2018

Precision Circuits had no further violations during this reporting period. OCSD will continue to monitor Precision Circuits' discharge and compliance status on a quarterly basis.

Primatex Industries, Inc. (Permit No. 1-031036)

Primatex Industries, Inc. (Primatex) performs rotary screen printing of fabrics. Water-based inks are applied to fabric by means of perforated print design screens using one of two rotary printers. The facility also has two Sanforizing machines (a method of stretching, shrinking, and fixing the woven cloth in both length and width, before cutting to reduce the shrinkage which would otherwise occur after washing), two drying machines to dry printed cloth, a sanding machine (used to break some of the small fibers on the exterior of the material which teases them out to produce a soft feel), a crinkling machine (to artificially wrinkle the cloth), and two industrial washing and drying machines, used to test the fabric quality when the cloth is supplied by the customer. Wastewater discharges to an outside sump, from where it is pumped through a lint removal unit. The pump delivers wastewater to the inside of a rotating drum constructed of screen material. The lint is trapped on the inside, while wastewater passes through the screen and is discharged to a three-stage underground clarifier with sample box. A timed spray rinse above the drum cleans the outside of debris, which falls to a screen located directly below the drum.

July 1 – December 31, 2018

On **July 3, 2018**, Primatex had a zinc violation, for which a Notice of Violation was issued on **July 12, 2018**. An appeal to the Notice of Violation was received by OCSD on **July 27, 2018**, but it was denied on **August 9, 2018** since OCSD's archive sample test result was consistent with the original test result. On **August 6, 2018**, OCSD conducted resampling followed by a Compliance Inspection on **August 14, 2018**. During both the Compliance Inspection and resample, OCSD reviewed all available material safety data sheets but could not identify the source of the zinc violation. It was later discovered that a discharge agent called Parolite (used in the production of bright prints on dark fabrics, the main ingredient being Zinc formaldehyde sulfoxylate), which had not been used in over two years, may have been added to the production process by mistake. The remaining Parolite was returned to Primatex's chemical supplier.

OCSD will continue to monitor Primatex's discharge and compliance status on a quarterly basis.

Pulmuone Wildwood, Inc. (Permit No. 1-531397)

Pulmuone Wildwood, Inc. (Pulmuone) manufactures, processes, and packages tofu products from flaked soy bean meal and softened water. The operations performed include mixing of soy bean meal into whey, filtration to separate soy milk, steam heating of soy milk, coagulation (using magnesium chloride and calcium sulfate) of soy milk and belt press drying, and for some products, cooking and/or flavoring of the tofu. The prepared food products are packaged at the facility for distribution. Waste liquids from the processing of the soy material, along with cleaning and sterilization (acid & alkaline) solutions from the process line equipment, are the only sources of wastewater at this facility. Pulmuone employs a large, two-stage clarifier for the removal of solids and the separation of organic oils, in addition to pH adjustment.

In February 2017, OCSD held a Compliance Meeting with Pulmuone to discuss the company's chronic failure to submit self-monitoring reports (SMRs) and the company's failure to correct data in a previously submitted SMR. Pulmuone brought the missing SMRs to the compliance meeting; however, the SMRs were found to be deficient and incomplete. In addition, pH values exceeding the discharge limits were reported in the submitted SMRs. In March 2017, OCSD conducted a Compliance Inspection and routine sampling. The sampling results also showed noncompliance with the pH discharge limits. Pulmuone informed OCSD that their pH adjustment system had not been working for at least the past 18 months. Thus, Pulmuone was directed to repair the pH adjustment equipment as soon as possible.

In late March 2017, OCSD held another compliance meeting with Pulmuone to discuss the continued pH violations and the continued failure to submit the missing SMRs. In the meeting, OCSD informed Pulmuone that OCSD planned to issue an Administrative Complaint (AC) for the aforementioned violations and provided Pulmuone an opportunity to enter into a Settlement Agreement in lieu of being issued the AC. Pulmuone agreed to settle, submit all delinquent reports, and to hire a consultant to evaluate the pretreatment equipment. In May 2017, further pH violations occurred.

OCSD and Pulmuone executed the Settlement Agreement in August 2017, which stipulated a civil penalty of $35,000 in addition to taking corrective actions with facility equipment and operations. In August and September, Pulmuone had further pH violations for which Notices of Violation were issued. In November 2017, OCSD conducted a compliance inspection and resampling, which detected further pH violations. The new treatment equipment (screening, DAF, and skimmer) was on-line during the inspection, but was still being adjusted for performance. During the inspection, OCSD cautioned Pulmuone that continued noncompliance would likely lead to additional fines.

In January 2018, Pulmuone had another pH violation, thus OCSD issued a Notice of Violation and an Order to Cease Noncompliant Discharges in February 2018. In March 2018, OCSD held a compliance meeting with Pulmuone where the company submitted details of their ongoing efforts to improve pH compliance as well as recent sampling data suggesting improved treatment system performance. OCSD cautioned Pulmuone that continued noncompliance would result in increased enforcement, including additional administrative penalties. Subsequent sampling showed compliance.

July 1 – December 31, 2018

Pulmuone had no further pH violations during this reporting period. OCSD will continue to monitor Pulmuone's discharge and compliance status on a quarterly basis.

Republic Waste Services (Permit No. 1-521827)

Republic Waste Services performs washing the inside and outside of trash bins in a contained area as well as welding and repair of trash containers in this facility. Wastewater is generated from washing and rinsing process with small amounts of organic matter, suspended particles and liter. Wastewater is collected in a three-stage clarifier before discharging to the sewer. Regular skimming of clarifier is done, and clarifier is pumped out once a year and the waste is hauled off.

July 1 – December 31, 2018

On **October 3, 2018**, Republic Waste Services had cadmium, copper, zinc and lead violations, for which a Notice of Violation was issued on **October 25, 2018**. On **November 2, 2018**, OCSD conducted a Compliance Inspection during which Republic Waste Services indicated that no operational changes had been made onsite and, therefore, they were not able to identify any internal source for the violations. The company indicated that the only possible source would be the illicit discharge of materials such as sand blasting dust or batteries in the trash bins washed at the time of the violations. Republic Waste Services pumped out the clarifier on **November 6, 2018** as part of their corrective actions. On **November 8, 2018**, OCSD conducted resampling and the results showed compliance.

OCSD will continue to monitor Republic Waste Services' 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 the manual pumice scrubbing, photoresist developing, screen cleaning, and associated rinses. Soldermask does not have a pretreatment system apart from a four-stage above-ground clarifier. The spent ferric etch solution, electropolishing solution, and subsequent static rinses are wastehauled.

In July 2017, Soldermask had copper and nickel violations for which Notices of Violation were issued. In July and August 2017, OCSD conducted Compliance Inspections to determine the source of the violations. The primary source of wastewater is the pumice scrubber table which uses a spray and contains a small volume of water. This water overflows to a series of small (5 gallon) buckets. The wastewater then flows to a small sump of similar volume where it is pumped to the clarifier. The clarifier was badly corroded but didn't seem to have any hydraulic or excessive solid buildup issues.

The pH of the wastewater at the scrubbing table and in the successive buckets was in the range of 2 to 2.5 S.U. Soldermask stated that the low pH was most likely caused by the addition of acetic acid to the scrubber table, for which there is no procedure or operational control. Over time, operators had added excessive acetic acid and lowered the pH, causing copper and nickel to become soluble and remain in solution. In addition, there were plastic structures on the scrubbing table that had residual deposits causing low pH. Soldermask's corrective actions consisted of discontinuing the use of acetic acid, using a pH probe to check the pH in the cascading tanks and clarifier, and utilizing a counter-current static rinse operation for the etcher. In response to the non-compliances, OCSD increased Soldermask's self-monitoring frequency for copper and nickel from quarterly to monthly.

In April 2018, Soldermask had a nickel violation for which a Notice of Violation was issued. In May 2018**,** OCSD conducted a Compliance Inspection during which Soldermask indicated that the violation occurred due to build-up of solids in the clarifier that came loose during the sampling event. Soldermask's corrective actions included replacement of the clarifier tanks and piping, installation of a filter to catch solid particles from the etcher rinse, a regular clean-out schedule of the clarifier tanks, and regular testing for nickel in the clarifier.

July 1 – December 31, 2018

Soldermask had no further violations during this reporting period. OCSD staff will continue to monitor Soldermask's discharge and compliance status on a quarterly basis.

Safran Electronics & Defense Avionics USA, LLC (Permit No. 1-571304)

Safran Electronics & Defense, Avionics USA LLC (Safran) is a medium size facility specializing in fabrication of pushbutton switches, indicators, and panel displays for aerospace, commercial aviation, and military/defense applications. The wet processes for surface treatment and cleaning/deburring include: vibratory deburring, caustic etch surface treatment line, legend marking of finished housings are screen

painted and/or applied with a laser burner, soldering or wave soldering, ultrasonic cleaner (plastic parts), and an aqueous flux removal system with some miscellaneous cleanup as well. Wastewater drains through a two-pipe manifold into a two-stage above-ground clarifier located outside the building. Safran presently pumps out both chambers of the clarifier every two to three weeks.

July 1 – December 31, 2016

On **September 6, 2018**, Safran had a zinc violation for which a Notice of Violation was issued on **October 9, 2018**. OCSD conducted a Compliance Inspection on **October 17, 2018** in response. During the inspection it was determined that the most likely source of zinc was the deburring operations. Safran agreed to begin using bag filters on all the effluent from those units to remove any particulate zinc. Subsequent sampling showed compliance.

OCSD will continue to monitor Safran's discharge and compliance status during the next reporting period.

Shur-Lok Company (Permit No. 1-600297)

Shur-Lok Company (Shur-Lok) manufactures mechanical fastening systems for commercial and defense aerospace industries. Metal parts manufactured are used in operations such as engine module assembly, structural assembly, rotor blade attachment, and aircraft engine shaft and spindle applications. During the manufacture of metal parts, various finishing processes may be used. Metal finishing operations include tumbling, polishing, surface preparation, and passivation.

January 1 – June 30, 2018

Shur-Lok had no discharge violations during this reporting period.

July 1 – December 31, 2019

On **July 26, 2018**, OCSD conducted a compliance inspection at Shur-Lok. The purpose of the inspection was to evaluate the status of Shur-Lok's operations as well as the current sources of wastewater discharge, and to investigate the sewer sediment build-up downstream of Shur-Lok's facility. OCSD identified the source of the sewer sediment build-up to several bypasses within Shur-Lok's facility. One was a bypass from Shur-Lok's water jet operations and other was via two new tee-splits routed to floor drains inside the facility. Additionally, OCSD observed an under-ground sump outside the facility which was uncovered leading to discharge of storm water, surface run off or unpolluted water to the sewer system. Furthermore, OCSD observed that the pre-treatment equipment was undersized. On **August 20, 2018**, OCSD issued a Compliance Requirement Letter to Shur-Lok to take the required measures to ensure long-term compliance with OCSD's wastewater discharge regulations. On **September 12, 2018**, Shur-Lok informed OCSD that all required actions have been completed. On **September 13, 2018**, OCSD conducted a follow-up inspection to confirm the completion of the actions indicated in the Compliance Requirement Letter. The bypasses have been eliminated, and the storm water to sewerage has been re-routed to an onsite evaporator. Shur-Lok has added a new laminar filtering system to their pre-treatment equipment and all the potential wastewater from the water jet operations now goes through the evaporator and not to the sample point.

OCSD will continue to monitor Shur-Lok's compliance status on a quarterly basis.

Stepan Company (Permit No. 1-021674)

Stepan Company (Stepan) manufactures surfactants, for use in consumer and industrial cleaning compounds. Surfactants are used in the manufacture of shampoos, dishwasher and laundry detergents. Manufacturing utilizes three processes: continuous falling film sulfonation, detergent blending by batch processing of alkanolamides, and detergent blending by batch processing of betaine. Wastewater is generated from softener regeneration, warehouse rinses, wash down, tank calibration, cooling tower bleed,

SO_3 scrubber bleed, and ammonia scrubber bleed. The pretreatment system consists of a 21,000-gallon round underground sump/clarifier. The wastewater is commingled and mixed by an agitator. Caustic soda is used to adjust the pH and defoamer is also added. Wastewater is then pumped to one of two tanks (20,000 and 24,000 gallons), where it is mixed using a recirculation pump.

July 1 – December 31, 2018

On June 1, 2018**,** Stepan had a 1,4-dioxane violation for which a Notice of Violation was issued on **July 18, 2018**. On **August 9, 2018**, OCSD conducted a Compliance Inspection during which OCSD noted that Stepan had installed pretreatment equipment for removal of 1,4-dioxane, which was based on a successful system in use at their east coast facility.

Stepan had no further violations during this reporting period. OCSD will continue to monitor Stepan's discharge and compliance status on a quarterly basis,

Tayco Engineering, Inc. (Permit No. 1-031012)

Tayco Engineering, Inc. (Tayco) is a manufacturer of temperature sensors, flexible heaters, flat cables, high temperature heaters, and pressure switches for use in aerospace, satellite, military, and other general aviation applications. Rinsewater generated from the scrubbing of nickel and copper alloys is recirculated for approximately one week before discharge to a collection tank, then pumped over to the pretreatment system. Tayco uses a batch hydroxide precipitation treatment system for the etcher and scrub sink rinsewaters, spent developer/stripper solutions and rinses, and etcher fume scrubber bleed off. Spent etching solution and resist stripper solids are wastehauled offsite.

July 1 – December 31, 2018

On **December 19, 2018**, Tayco had a copper violation.

OCSD will issue a Notice of Violation during the next quarter and evaluate the need for escalated enforcement.

Thermal-Vac Technology, Inc. (Permit No. 1-021282)

Thermal-Vac Technology, Inc. (Thermal-Vac) is a job shop that assembles products ranging from heat exchangers, flow fittings, chassis, to wave guides and surgical devices. Thermal-Vac receives machined stainless steel and aluminum parts and is contracted primarily for their heat treatment, brazing and assembly work. Stainless steel products undergo heat treatment, acetone or ultrasonic cleaning, and final assembly, oiling, and packaging. Aluminum products are cleaned, etched, surface deoxidized, descaled, bright dipped, followed by part pre-heating/water removal, and fluoride salt bath brazing. The parts are then assembled, oiled, and packaged to be delivered to the customer. Although Thermal-Vac has nickel plating capabilities, reportedly the process is rarely used due to discontinuation of the space shuttle program.

In April 2018, Thermal-Vac had a nickel violation for which a Notice of Violation was issued. In June 2018, OCSD conducted a Compliance Inspection during which Thermal-Vac indicated that the nickel violation was most likely the result of an inadvertent discharge of a bucket of nickel rinse water by an employee during the construction of the new processing line and pretreatment system. Thermal-Vac's corrective actions include updating their operating procedures and retraining workers to ensure that all wastewater is treated and disposed of properly. Thermal-Vac has one source of nickel in a rinse that is on a close loop ion exchange system. Thermal-Vac's current pretreatment system for all other rinses consists of pH neutralization in a holding tank before discharge to the sewer. The new system is expected to consist of an alkaline holding tank, an acidic holding tank, a batch tank, a filter press, and a final pH adjust tank. The batch tank is expected to be automated for metals precipitation as well as for two-stage cyanide destruction, with cyanide and non-cyanide bearing waste stream segregation.

July1 – December 31, 2018

Thermal-Vac had no further violations during this reporting period. OCSD will continue to monitor Thermal-Vac's discharge and compliance status on a quarterly basis.

Thompson Energy Resources, LLC (Permit No. 1-521773)

Thompson Energy Resources, LLC (Thompson Energy) produces crude oil from multiple well sites, separating ground water from the extracted oil through heating and chemical treatment. Resultant water is discharged to the sewer system.

July 1 – December 31, 2018

On **July 17, 2018**, Thompson Energy had an oil & grease violation, for which a Notice of Violation was issued on **August 20, 2018**. On **September 12, 2018**, OCSD conducted a Compliance Inspection and resampling, during which Thompson Energy identified the source of violation to a bad batch of chemicals coupled with high temperature processing. On **September 14, 2018**, Thompson Energy submitted a corrective action report to address the violation. The report indicated that Thompson Energy had replaced its chemical vendor and implemented new chemicals at the facility. The resampling results showed compliance.

OCSD will continue to monitor Thompson Energy's discharge and compliance status on a quarterly basis.

Toyota Racing Development (Permit No. 1-071059)

Toyota Racing Development (TRD) receives engines used in recent auto races, strips them down, cleans and tests the parts, and rebuilds them. New engines are also assembled at the facility. Some parts are machined on site, and research and design operations are performed as well. Processes include dynamometer testing of finished engines, parts machining, parts grinding, welding, polishing, cleaning, non-destructive inspection, engine assembly, stock storage, and quality control. Wastewater is generated by the following operations: dye penetrant rinse from inspection process, parts washer rinse and aqueous parts cleaner from teardown operations, condensate from compressors, engine cooling water from testing, and miscellaneous floor waste. Pretreatment includes a three-stage clarifier followed by two particle filtration steps, one clay bed, and two granular activated carbon (GAC) beds.

In February 2018, TRD had an oil & grease violation for which a Notice of Violation was issued. In March 2018, OCSD conducted a Compliance Inspection during which TRD explained that the GAC filter media was spent and needed to be replaced at the time of the violation. TRD had already made the replacement prior to the inspection. Samples collected since the violation, including additional voluntary sampling performed by TRD, have been compliant.

July 1 – December 31, 2018

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

TTM Technologies North America, LLC (Coronado) (Permit No. 1-071059)

TTM Technologies North America, LLC (TTM Technologies, formerly Viasystems) is a large scale, full-service printed circuit board shop. Industrial wastewater at TTM Technologies is generated from the processing of copper laminates into printed circuit boards. Wet processes performed 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, which includes pH adjustment and multiple ion exchange resin beds, with much of the effluent reused. Batch treatment (pH adjustment, flocculation, clarification followed by sludge dewatering with a filter press) is also

performed on spent solutions including ion exchange backflush. Concentrated wastestreams (etchant, spent plating solutions) are wastehauled offsite.

July 1 – December 31, 2018

On **August 17, 2018** and on **September 9 & 21, 2018**, TTM Technologies had copper violations, for which Notices of Violation were issued on **October 2, 2018** and **November 8, 2018**, respectively. On **October 17, 2018**, OCSD issued a Compliance Requirement Letter to TTM requiring the implementation of corrective actions and attendance to a Compliance Meeting. **October 31, 2018**, OCSD held a Compliance Meeting with TTM Technologies to resolve the copper noncompliance. During the meeting, TTM Technologies submitted information detailing recent efforts to review their pretreatment system and improvements that had been implemented up to the meeting. OCSD required TTM Technologies to submit an updated pretreatment system diagram and operations and maintenance manual by **December 1, 2018**, which was extended to the following quarter due to delays.

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

United Pharma, LLC (Permit No. 1-531418)

United Pharma, LLC (United Pharma) is a manufacturer of various soft gelatin nutritional supplement capsules from customer-supplied bulk liquids. Products are not pharmaceutically active. Wastewater is generated from the cleaning and sterilization operations performed on mixing and dosing equipment used for gelatin capsules. Pretreatment is limited to an underground clarifier.

In August and September 2017, United Pharma had pH violations for which Notices of Violation were issued. In November 2017, OCSD conducted a couple of Compliance Inspections during which the pH was again out of compliance. The matter was discussed with United Pharma and the company indicated that manual pH adjustment was periodically performed. OCSD advised United Pharma that this practice was not adequate to ensure long term compliance with pH limits.

In February 2018, an Order to Cease Noncompliant Discharges was issued to United Pharma. In March 15, 2018, OCSD held a Compliance Meeting with United Pharma to discuss the continued pH issues. During the meeting, United Pharma agreed to install a continuous pH adjustment system and maintain improved attention to manually adjusting pH in the interim. In March 2018, OCSD issued a Compliance Requirements Letter requiring the installation of an automated treatment system by June 2018. As the compliance date neared, United Pharma requested more time due to contractor installation issues. Sampling performed since the meeting had been compliant.

July 1 – December 31, 2018

United Pharma installed the new treatment equipment after some delay. On **August 24, 2018**, OCSD conducted a follow-up inspection during which it was noted that the pH adjustment equipment was in place and operational.

United Pharma had no further violations during this reporting period. OCSD will continue to monitor United Pharma's discharge and compliance status on a quarterly basis.

Universal Alloy Corp. (Permit No. 1-021706)

Universal Alloy Corp. (UAC) is a manufacturer of extruded aluminum parts, primarily for the aviation/aerospace industries. The extruded parts are cut to length, straightened, and/or twisted as necessary, then 50% of the finished parts are solution heat treated in two large silo-type heating systems using glycol and demineralized city water, followed by final rinsing. Wastewater is also generated by die cleaning and detergent wash operations. Pretreatment is limited to filtration of the detergent wash line and final clarification.

In December 2017, UAC had a molybdenum violation for which a Notice of Violation was issued. In February 2018, OCSD conducted a Compliance Inspection and resampling, during which OCSD inquired about potential sources of molybdenum at the facility. UAC later supplied material safety data sheets which indicated the presence of molybdenum in UAC's cooling tower additive. UAC had subsequently switched to a non-molybdenum-based solution.

July 1 – December 31, 2018

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

Van Law Food Products, Inc. (Permit No. 1-531439)

Van Law Food Products, Inc. (Van Law) blends, packages, stores and distributes various sauces, condiments and beverage concentrates. Wastewater is generated by steam cleaning of packaging equipment and washdown of loading and packaging areas with some boiler blowdown. Pretreatment consists of equalization, continuous pH adjustment with caustic soda, polymer addition followed by solids removal.

July 1 – December 31, 2018

On **September 24, 2018**, Van Law had a pH violation for which a Notice of Violation was issued on **October 11, 2018**. On **October 23, 2018**, OCSD conducted a Compliance Inspection during which the pH was again found to be noncompliant. A Notice of Violation was issued on **October 25, 2018**. On **November 5, 2018**, OCSD issued a Compliance Requirement Letter to Van Law requiring the implementation of corrective actions and attendance to a Compliance Meeting. On **November 29, 2018**, OCSD held a Compliance Meeting with Van Law to determine what corrective actions the company had taken and what additional measures they would pursue to resolve the pH noncompliance. Corrective actions Van Law had taken prior to the meeting included: rescheduling bulk raw product deliveries to reduce spillage, additional staff training and installing a new controller on the pretreatment system which would alert staff via email in the event of low pH. During the meeting, Van Law also agreed to have pretreatment operators during all hours of operation and to install pumping and piping to redirect wastewater from the solids removal unit to the initial equalization tank in the event of low pH. Van Law submitted a diagram of the proposed plumbing modification on **December 18, 2018**.

OCSD will confirm these changes during the next reporting period and continue to monitor compliance.

chapter 3

SANTA ANA WATERSHED PROJECT AUTHORITY (SAWPA)

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 (WMWD). 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 designed to carry saline wastewater from the Upper Basin to the Orange County Sanitation District (OCSD) 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 OCSD to comply with environmental standards before discharge to the ocean outfall. The capacity of the Brine Line available to SAWPA is 30 MG per day (MGD). The average daily discharge was 10.40 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 OCSD'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 OCSD. SAWPA has entered into a Multijurisdictional Pretreatment Agreement (Agreement) with Eastern Municipal Water District (EMWD), Inland Empire Utilities Agency (IEUA), Jurupa Community Services District (JCSD), San Bernardino Municipal Water Department (SBMWD), San Bernardino Valley Municipal Water District (Valley District), Western Municipal Water District (WMWD), 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 OCSD's treatment facilities. As of December 31, 2018, there are forty-six (46) direct connections including twelve (12) emergency connections, and four (4) Brine Line Collection Stations (Collection Stations) discharging to the Brine Line. The four (4) Collection Stations are located in and operated by the following agencies: EMWD, IEUA, San Bernardino Municipal Water Department (SBMWD) on behalf of Valley District, and the City of Corona on behalf of WMWD. Twenty-three (23) indirect discharge Permittees located within the SAWPA service area discharge to the Collection Stations.

SAWPA has the permitting responsibilities for all Liquid Waste Haulers (LWH) that use the four (4) 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.

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

3.2 SAWPA Pretreatment Program

3.2.1 Eastern Municipal Water District (EMWD)

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.

3.2.2 Inland Empire Utilities Agency (IEUA)

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 (CBMWD), 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 850,000 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

- **California Institution for Men (CIM) (Permit No. D1006-2.1)**
  14901 Central Avenue, Chino, CA 91710
  SIU 40 CFR 403.5(d)

CIM is a state correctional facility for men. There are no PSES or PSNS Categorical Standards that apply except for general compliance with 40 Part 403. This facility is

classified as a Significant Industrial User and therefore subject to the general and specific wastewater pollutant limits contained in SAWPA Ordinance No. 8 and SAWPA Local Limits (Resolution No. 2017-11), or any successors thereto. CIM operates a de-nitrification plant which treats groundwater from on-site wells for potable use at the facility and the California Institution for Women. No domestic wastewater is discharged from the CIM facility to the Brine Line. The CIM East facility discharges into the IEUA regional sewer system. The CIM Main Facility discharges to the CIM operated on-site treatment plant.

During an inspection conducted on November 13, 2018 IEUA determined California Institution for Men (CIM) failed to properly operate and maintain pretreatment equipment, the nitric acid dosing system, beginning on September 1, 2018. In 2015 CIM began using an anti-scaling product to prevent excessive solids from forming in their lateral and ultimately the Brine Line; previously only acid dosing was being used for this control. Between November 13, 2018 and December 11, 2018 IEUA conducted an investigation to determine if nitric acid dosing is still necessary and determined its use along with the anti-scaling product is necessary to control solids formation. Enforcement for this violation is anticipated to be issued in early 2019.

- **ShawCor Pipe Protection, LLC (Permit No. I1077-2.1)**
  14000 San Bernardino Avenue, Southwest Gate No. 6, Fontana, CA 92335
  CIU 40 CFR 433.17

ShawCor Pipe Protection, LLC (ShawCor) coats pre-manufactured steel pipe. Three coating operations are performed on-site: Pritec®, multilayer, and fusion bond/powder coating. ShawCor generates wastewater through the cleaning and preparation of the steel pipes for the coating process. The wastewater is collected in a 1,000-gallon dual batch pH neutralization system that consists of the following treatment processes: pH adjustment, polymer injection, and solids separation. The treated wastewater is stored in two 5,000-gallon storage tanks prior to being hauled to the Brine Line. ShawCor is a categorical industry and regulated under 40 CFR Part 433.17 (PSNS) – Metal Finishing Point Source Category, Subpart A Metal Finishing Subcategory.

A Violation Meeting was conducted by SAWPA with ShawCor Pipe Protection, LLC (ShawCor) on September 12, 2018 for failure to provide the Facility Waste Management Plan (FWMP) update by July 31, 2018 as required by permit. ShawCor had recently had several late report submittals resulting in the escalated enforcement. During the meeting SAWPA reviewed with ShawCor all of the late report submittals, including the FWMP update, and the next steps in enforcement in the Enforcement Response Plan for future late submittals. ShawCor personnel identified calendaring all report submittals and staffing changes made within the facility as a corrective action plan. Review of the corrective action plan identified in the Violation Meeting and review of following submittals indicated compliance; subsequently, the enforcement action was closed. IEUA shall continue to track and review all reports and documents submitted by ShawCor to ensure consistent compliance with permit requirements and SAWPA Ordinance No. 8.

3.2.3 Jurupa Community Services District (JCSD)

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 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 WMWD for capacity in Reach IV-D of the Brine Line.

Enforcement Action

- **Del Real Foods, LLC (Permit No. D1021-2.1)**
  11041 Inland Avenue, Jurupa Valley, CA 91752
  SIU 40 CFR 403.5(d)

Del Real Foods, LLC is engaged in the business of preparing tamales, salsas, pupusas, beef, pork, chicken, rice and beans for sale as ready-to-eat meals. A 2,000-gallon grease interceptor serves the raw meat processing area, kettle room, deep frying area and wash down room. A 1,000-gallon grease interceptor serves the cooked meat and packaging area and the contact cooling area. The processing area for salsa, rice and beans passes through a 3,000-gallon interceptor. After passing through the various interceptors all food processing wastewater flows into a wet well where it is pumped into a 35,000 gallon equalization tank. Final pretreatment is a Dissolved Air Flotation system to further remove solids, oils and greases. Discharges from the cooling tower, emergency ammonia dump, and air compressor pass through a 1,000 gallon interceptor. There are no PSES or PSNS Categorical Standards that apply except for general compliance with 40 Part 403. This facility is classified as a Significant Industrial User and therefore subject to the general and specific wastewater pollutant limits contained in SAWPA Ordinance No. 8 and SAWPA Local Limits (Resolution No. 2017-11), or any successors thereto.

A Notice of Violation and Order for Corrective Action was issued to Del Real Foods, LLC (Del Real) by SAWPA on July 14, 2016 for a bypass in the pretreatment wet well and for exceedance of their Brine Line purchased capacity. The Order for Corrective Action (OCA) required Del Real to submit a corrective action plan regarding the bypass and to apply for additional Brine Line capacity. Del Real repaired and made improvements to the existing alarm system to the wet well, which was verified by SAWPA during inspection. Del Real also installed and repaired screens for the production room drains. Del Real submitted a request for additional Brine Line capacity and a Water Balance Report which detailed water consumption and wastewater discharged to the Brine Line. Del Real agreed to purchase an additional 163,000 gallons of Brine Line capacity and submitted the Water Balance Report. Del Real has completed the requirements identified in the OCA. SAWPA shall close the Notice of Violation and Order for Corrective Action upon issuance of a revised wastewater discharge permit, which shall include additional reporting requirements to ensure consistent compliance.

On August 10, 2018 Del Real Foods, LLC (Del Real) collected a wastewater sample from Monitoring Point 001. The field pH result obtained August 10, 2018 indicated a pH result of 5.4su, a violation of the pH minimum discharge limitation of 6.0su as stated in Permit No. D1021-2.1. Furthermore, this violation was not communicated to JCSD until submittal of the Self-Monitoring Report in January, 2019. Enforcement for these violations is anticipated to be issued to Del Real in early 2019.

3.2.4 San Bernardino Municipal Water Department (SBMWD)

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.

3.2.5 San Bernardino Valley Municipal Water District (Valley 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

- **City of Colton - Agua Mansa Power Plant (Permit No. D1002-3.1)**
  2040 Agua Mansa Road, Colton, CA 92324
  SIU 40 CFR 403.5(d)

City of Colton - Agua Mansa Power Plant is a 48-megawatt electrical generating facility comprised of a single natural gas-fired LM 6000 aero derivative combustion turbine operating in a simple cycle mode. Agua Mansa Power Plant is permitted to discharge RO reject water, filter backwash, spent evaporative cooling water and the clarified wastewater from the oil/grease separator. All turbine wash water is contained in the waste wash water tank and disposed of properly. There are no PSES or PSNS Categorical Standards that apply except for general compliance with 40 Part 403. This facility is classified as a Significant Industrial User and therefore subject to the general and specific

wastewater pollutant limits contained in SAWPA Ordinance No. 8 and SAWPA Local Limits (Resolution No. 2017-11), or any successors thereto.

A Notice of Violation and Order for Corrective Action (NOV/OCA) was issued to City of Colton – Agua Mansa Power Plant (Agua Mansa) by Valley District on July 23, 2018 for failing to sample within the required sampling period of January 1, 2018 to June 30, 2018 as required by permit. Furthermore, the Self-Monitoring Report for the sampling event conducted outside of the sampling period, on July 8, 2018, did not incorporate the additional monitoring requirements added in the Agua Mansa permit amendment from October 9, 2017. Agua Mansa had already scheduled an additional sampling event to collect the missing parameters prior to issuance of the NOV/OCA. The sampling event was conducted on July 25, 2018. The Self-Monitoring Report for the July 25, 2018 contained the parameters not correctly sampled in the previous sampling event and review of submittals indicated compliance; subsequently, the enforcement action was closed. Valley District shall continue to track and review all reports and documents submitted by Agua Mansa to ensure consistent compliance with permit requirements and SAWPA Ordinance No. 8.

3.2.6 SAWPA

Description of SAWPA

SAWPA is a Joint Powers Authority, 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; 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 (WMWD). SAWPA, through the MOU with OCSD, 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

- **Chino II Desalter (Permit No. D1010-3.1)**
  11251 Harrel Street, Jurupa Valley, CA 91752
  SIU 40 CFR 403.5(d)

The Chino II Desalter is supplied with brackish water from 9 wells in the local area. The brackish water is converted to a potable water quality using reverse osmosis technology. The plant has capacity to produce an average of 10 MGD and a maximum of 15 MGD of potable water with brine reject water of approximately 1.5 MGD at the Etiwanda Avenue connection and 0.2 MGD at the Wineville Avenue connection that discharge to the Brine Line. The potable water produced augments supplies for three cities Chino Hills, Chino, and Norco and the Jurupa Community Services District. There are no PSES or PSNS Categorical Standards that apply except for general compliance with 40 Part 403. This facility is classified as a Significant Industrial User and therefore subject to the general and specific wastewater pollutant limits contained in SAWPA Ordinance No. 8 and

SAWPA Local Limits (Resolution No. 2017-11), or any successors thereto.

A Cease and Desist Order was issued by SAWPA to Chino II Desalter (Chino II) on July 24, 2018 for an accidental discharge of clarifier solids from the equalization basin to the Brine Line. Chino II was required to conduct and document Slug Discharge Prevention Control Plan (SDPCP) training for all appropriate personnel and submit the training documents to SAWPA by no later than August 20, 2018. Furthermore, Chino II was also required to permanently post a notice on the facility bulletin board or other prominent place advising employees who to call in the event of a slug load discharge by no later than August 20, 2018. Chino II submitted their response on August 15, 2018, which included the SDPCP training documents including sign-in sheet, training summary, and documentation stating the emergency contacts were posted in the plant control rooms. Following review of the Chino II submittal SAWPA accepted the documents and subsequently the enforcement action was closed. SAWPA shall continue to conduct unannounced inspections at Chino II to ensure compliance with all permit requirements and SAWPA Ordinance No. 8.

- **JCSD Chandler Lift Station (Permit No. E1043-2.1)**
  14087 Chandler Street, Eastvale, CA 92880
  IU 40 CFR 403.5(d)

This connection has no SIUs and consists of residential and commercial sewage disposal. This connection is currently inactive and the flow was diverted to the WRCRWA Treatment Plant as of March 22, 2007. This permit is for emergency situations only. JCSD is not permitted to discharge any wastewater to this Brine Line connection, at any time, without previously notifying SAWPA personnel. There are no PSES or PSNS Categorical Standards that apply except for general compliance with 40 Part 403. This facility is classified as an Industrial User and therefore subject to the general and specific wastewater pollutant limits contained in SAWPA Ordinance No. 8 and SAWPA Local Limits (Resolution No. 2017-11), or any successors thereto.

A Notice of Violation and Order for Corrective Action (NOV/OCA) was issued by SAWPA to JCSD Chandler Lift Station (Chandler) on November 15, 2018 for conducting required monitoring from an unauthorized location. On June 27, 2018 the permittee conducted permit required monitoring from a monitoring point not identified by the permit without prior authorization from SAWPA, a violation of the Wastewater Discharge Permit No E1043-2.1 requirements for sampling during a planned emergency discharge. After a lengthy investigation into the sampling event the NOV/OCA was issued, which required a written report stating how future monitoring location violation will be prevented in the future by no later than November 29, 2018. On November 29, 2018 Chandler responded with a plan to request prior authorization from SAWPA prior to monitoring from any, not previously authorized, monitoring location. SAWPA accepted the plan as submitted and subsequently the enforcement action was closed. SAWPA shall continue to review agency submittals and conduct unannounced inspections at Chandler to ensure compliance with all permit requirements and SAWPA Ordinance No. 8.

- **JCSD Roger D. Teagarden Ion Exchange Water Treatment Plant (Permit No. D1070-3.1)**
  4150 Etiwanda Avenue, Mira Loma, CA 91752

SIU 40 CFR 403.5(d)

JCSD IXP is a potable water treatment plant that utilizes ion exchange technology to remove nitrates from well water for delivery to JCSD's customers. The IXP currently has capacity to treat up to 21 MGD. Wastewater is discharged from the nitrate and water softener vessel regeneration processes and from automatic nitrate and chlorine residual analyzers. There are no PSES or PSNS Categorical Standards that apply except for general compliance with 40 Part 403. This facility is classified as a Significant Industrial User and therefore subject to the general and specific wastewater pollutant limits contained in SAWPA Ordinance No. 8 and SAWPA Local Limits (Resolution No. 2017-11), or any successors thereto.

A Notice of Violation and Order for Corrective Action (NOV/OCA) was issued by SAWPA to JCSD Roger D. Teagarden Ion Exchange Water Treatment Plant (Roger Teagarden) on November 15, 2018 for failure to implement required actions regarding spill containment structures. On October 23, 2018 JCSD personnel discovered an accidental spill of Sodium Hypochlorite. The spill did not enter the Brine Line and was properly cleaned and legally disposed of. However, during the inspection conducted by SAWPA personnel on October 23, 2018 it was observed that the spill containment wall was not sealed resulting in the spill, a violation of the requirements of Wastewater Discharge Permit No D1070-3.1 mandating spill containment system be constructed of materials that are impermeable to the liquids being contained. The NOV/OCA required Roger Teagarden to provide a written report which details how the spill containment wall will be constructed to prevent leakage of chemical spills and a timeline for completion by November 29, 2018. The permittee requested an extension of the deadline, which was granted until December 11, 2018. The permittee provided the written report on December 11, 2018 detailing a plan to seal the containment structure with a maximum timeline for completion of six (6) weeks. SAWPA approved the plan on December 17, 2018 and shall conduct a compliance inspection after February 18, 2019 to verify completion of the project. As of December 31, 2018 the enforcement action remains open awaiting completion of the project.

3.2.7 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. SAWPA expects to be making revisions to its Ordinance in the next fiscal year including new language for the Waste Hauler Program.

Enforcement Action

- **Hidden Villa Ranch (Permit No. H1120-1)**
  1811 Mountain Avenue, Norco, CA 92860

A Notice of Violation and Order for Corrective Action (NOV/OCA) was issued by SAWPA to Hidden Villa Ranch (Hidden Villa) on August 17, 2018 for failure to provide a manifest form to SAWPA detailing the legal disposal of a June 12, 2018 rejected load as required by permit. Hidden Villa was required to submit a written report to SAWPA detailing the

cause of the reporting violation and the corrective action to prevent future violations by August 27, 2018. Hidden Villa responded on August 23, 2018 detailing that rejected load was disposed of at a secondary Hidden Villa location in Perris, CA and therefore no manifest was generated. The corrective action plan detailed training for proper notifications and reporting required by a rejected load as well as retraining at the Collection Station where the load was originally rejected. Following review of the Hidden Villa submittal SAWPA accepted the documents and subsequently the enforcement action was closed. SAWPA shall continue to conduct unannounced inspections at Hidden Villa and conduct monitoring at both the generator site and Collection Station to ensure compliance with all permit requirements and SAWPA Ordinance No. 8.

3.2.8 Western Municipal Water District (WMWD)

Description of WMWD

WMWD 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. WMWD 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. WMWD 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. WMWD 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

- **Giuliano & Sons Briners, Inc. (Permit No. I1031-2.1)**
  10380 Alder Avenue, Bloomington, CA 92316
  IU 40 CFR 403.5(d)

Giuliano & Sons Briners, Inc. produces pickles, a variety of vegetables, such as jalapenos, cauliflower, celery, carrots, and Ortega chilies. Vinegar, acetic acid, sodium chloride, calcium chloride, and sulfur dioxide solutions are used to process the vegetables and fruit. There are no PSES or PSNS Categorical Standards that apply except for general compliance with 40 Part 403. This facility is classified as an Industrial User and therefore subject to the general and specific wastewater pollutant limits contained in SAWPA Ordinance No. 8 and SAWPA Local Limits (Resolution No. 2017-11), or any successors thereto. The wastewater generated from these processes is hauled a SAWPA-approved Brine Line Collection Station.

A Notice of Violation and Order for Corrective Action was issued to Giuliano & Sons

Briners, Inc. (Giuliano) on July 25, 2018 following review of the self-monitoring report submitted on June 26, 2018. Review of the June 26, 2018 self-monitoring report data indicates a Copper analysis of 3.3 mg/L a violation of the daily maximum discharge limitation of 3.0 mg/L and a Zinc analysis of 14.0 mg/L, a violation of the daily maximum discharge limitation of 10.0 mg/L. Furthermore, as this was the only sampling event, more than 33% of the measurements taken exceeded the product of the daily maximum discharge limitations multiplied by the applicable Technical Review Criteria (TRC) of 1.2 for the January 2018 through June 2018 evaluation period Giuliano was determined to be in SNC for the 3rd and 4th quarter of the 2017 -2018 Fiscal Year for TRC Violations for the parameters of Copper and Zinc. Giuliano was required to investigate the cause of the violation and submit a written report along with a Correction Action Plan designed to bring the facility into compliance. Furthermore, Giuliano was required to conduct sampling for Copper and Zinc for three consecutive weeks and submit the analysis within ten days of receipt. Giuliano responded with their written report on August 3, 2018. Giuliano attributed the possible cause of the violation to large quantities of scrap metal on site that may have been a source for the parameter violations. In response, Giuliano conducted a large cleanup of the facility removing any scrap metal from the site. Giuliano has since instituted a weekly cleanup of the facility to ensure no metal debris remains onsite that lead to any parameter violation. Review of the analysis results of the three consecutive weeks of sampling for Copper and Zinc by Giuliano indicated compliance. Institution of the corrective actions identified above and follow-up sampling indicated compliance; subsequently, the enforcement action was closed. WMWD shall continue to conduct unannounced inspections and wastewater monitoring at Giuliano to ensure consistent compliance with permit requirements and SAWPA Ordinance No. 8.

3.2.9 Yucaipa Valley Water District (YVWD)

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. Currently there are no permitted users within the YVWD 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. The demineralization process involves a reverse osmosis system that separates small molecules from the recycled water supply. In 2012, the YVWD completed an extension of the Inland Empire Brine Line operated by the Santa Ana Watershed Project Authority. The brine disposal facility is critical to insure the YVWD meets the stringent 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.

3.3 Permittees in Significant Noncompliance (SNC)

At the end of each quarter, 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, 2018, of the active sixty-nine (69) Permittees, (does not include LWHs), there was one permittee 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) violation 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, oil 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 the 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, 2018

Company Name	*Agency*	*Permit No.*	*Reporting or Discharge Violation*
Giuliano & Sons Briners, Inc.	WMWD	I1031-2.1	TRC Violations for Cu and Zn

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

Aramark is a uniforms and apparel provider in Jurupa Valley, CA that discharges to the local Publically Owned Treatment Works (POTW). The POTW has recently revised their Total Dissolved Solids limitation to a level Aramark, due to the nature of their business, is unable to feasibly meet. As of December 31, 2018 Aramark was given a Brine Line Wastewater Discharge Permit Application at their request and it is anticipated they will seek discharge to the Brine Line in 2019.

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 it is completed. Construction completion is now estimated for 2019. Diversion of the CIW wastewater to the Pine Avenue Sewer away from the Brine Line is anticipated for Fiscal Year 2019/2020.

City of Beaumont is actively exploring alternatives and developing plans to upgrade the City's existing wastewater treatment plant. These plans include a salinity management strategy to comply with basin plan objectives set by the Regional Water Quality Control Board for the Beaumont and San Timoteo Groundwater Management Zones. These proposed improvements are contingent on the ability to tie the discharge from the proposed treatment plant upgrade to the Brine Line for brine conveyance. The City of Beaumont is not within the Brine Line Service Area, so therefore requires authorization from OCSD General Manager prior to discharge. The City of Beaumont submitted an official request to discharge to the Brine Line in late 2016. SAWPA requested additional information before submitting to OCSD a request for authorization for the discharge from the City of Beaumont to the Brine Line from OCSD in early 2017. OCSD requested additional information from the City of Beaumont and SAWPA prior to making a determination on the request, which the City of Beaumont and SAWPA has since provided. OCSD responded on October 24, 2018 identifying four (4) requirements the City of Beaumont and SAWPA must meet in order to receive OCSD's acceptance of the discharge from outside of the Brine Line Service Area. As of December 31, 2018 the City of Beaumont and SAWPA continued work on these requirements.

Rialto Bioenergy is a food waste-to-energy facility in Rialto, California, which has submitted a wastewater discharge permit application to SAWPA and Valley District. The facility is expected to come online and begin discharge to the Brine Line sometime in

2020 following issuance of a wastewater discharge permit.

3.5 SAWPA Special Projects

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

1. Dewatering sealed maintenance access structures, repair of corroded blind flanges, and replacement of gaskets was conducted in Reach 4A Upper of the Brine Line.
2. Continued Inspection of Reach 4A Upper Maintenance Access Structures throughout the reporting period.
3. Repaired damaged Air Release and Vacuum Valve (AV-0440).
4. Cleaned the Pine Avenue Siphon on Reach 4A Upper.
5. Inspected and completed condition assessment of a portion of Reach 4D. It was determined additional assessment will be required within five years.

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

A flow meter installed at the Orange County line measures SAWPA's discharge (SMS). For the one hundred and eighty-four (184) billing days during the six-month period from July 1, 2018 through December 31, 2018, a total of 1,914 MG was discharged into the Brine Line, for an average of 10.40 MGD. 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.

Tables 3.2 and 3.3 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 lbs/day are flow-weighted values.

TABLE 3.2 – SAWPA DAILY AVERAGE CONCENTRATION (mg/L) AND MASS (lbs/day) MEASURED FROM WEEKLY SAMPLING AT OCSD'S SARI METERING STATION, July – September 2018
SAWPA/Orange County Sanitation District

	July 18		August 18		September 18		Quarterly Average	
Average Daily Flow in MGD	11.7144		10.7937		10.3207		10.9429	
Pollutant	**mg/L**	**lb/day**	**mg/L**	**lb/day**	**mg/L**	**lb/day**	**mg/L**	**lb/day**
Arsenic	0.0037	0.3625	0.0036	0.3259	0.0045	0.3830	0.0039	0.3584
Cadmium	ND	****	ND	****	ND	****	ND	****
Chromium	0.0100	0.9770	0.0150	1.3503	ND	****	0.0083	0.7605
Copper	0.0290	2.8284	0.0270	2.4305	0.0091	0.7833	0.0217	1.9789
Lead	ND	****	ND	****	ND	****	ND	****
Mercury	ND	****	ND	****	ND	****	ND	****
Nickel	ND	****	ND	****	ND	****	ND	****
Silver	ND	****	ND	****	ND	****	ND	****
Zinc	0.0423	4.1277	0.0593	5.3381	0.0374	3.2192	0.0463	4.2270
Total Metals	0.0849	8.2956	**0.1049**	**9.4448**	**0.0510**	**4.3855**	**0.0803**	**7.3249**
BOD	36.9769	3,612.5771	42.5875	3,833.6876	36.9000	3,176.1621	39.0905	3,567.5544
TSS	99.5385	9,724.7239	105.1250	9,463.2559	117.8462	10,143.5904	107.3333	9,795.6725

ND = Not Detected
**** = Lbs/Day not calculated due to concentration less than detection limits (typical).

TABLE 3.3 – SAWPA DAILY AVERAGE CONCENTRATION (mg/L) AND MASS (lbs/day) MEASURED FROM WEEKLY SAMPLING AT OCSD'S SARI METERING STATION, October – December 2018
SAWPA/Orange County Sanitation District

	October 18		November 18		December 18		Quarterly Average	
Average Daily Flow in MGD	10.1234		10.0398		9.5033		9.8888	
Pollutant	**mg/L**	**lb/day**	**mg/L**	**lb/day**	**mg/L**	**lb/day**	**mg/L**	**lb/day**
Arsenic	0.0037	0.3149	ND	****	ND	****	0.0012	0.1025
Cadmium	ND	****	ND	****	ND	****	ND	****
Chromium	ND	****	ND	****	ND	****	ND	****
Copper	0.0106	0.8949	ND	****	ND	****	0.0035	0.2914
Lead	ND	****	ND	****	ND	****	ND	****
Mercury	ND	****	ND	****	ND	****	ND	****
Nickel	ND	****	ND	****	ND	****	ND	****
Silver	ND	****	0.0140	1.1722	0.0135	1.0700	0.0092	0.7560
Zinc	0.0385	3.2505	0.0310	2.5957	0.0344	2.7225	0.0346	2.8549
Total Metals	**0.0528**	**4.4604**	**0.0450**	**3.7679**	**0.0479**	**3.7925**	**0.0486**	**4.0049**
BOD	44.3625	3,745.4777	37.2231	3,116.7475	35.0769	2,780.1110	39.2786	3,239.4093
TSS	122.0000	10,300.3275	116.3846	9,745.0693	98.8462	7,834.3040	113.0952	9,327.2680

ND = Not Detected
**** = Lbs/Day not calculated due to concentration less than detection limits (typical).

ORANGE COUNTY SANITATION DISTRICT

RESOURCE PROTECTION DIVISION

MONITORING AND COMPLIANCE STATUS REPORT

APPENDIX 1

1st and 2nd Quarters

FISCAL YEAR 2018/2019

Orange County Sanitation District (OCSD) - Resource Protection Division
July to Dec 2017 List of SIUs with Monitoring & Compliance Status

Facility Name	Permit No.	Physical Address	NAICS Code	Regulation	No. of Inspections	Agency Samples	SMR Samples	Pollutant(s) in Discharge Violation	Comment
9W Halo Western opCo, L.P.	1-600378	1575 N. Case St. Orange, CA 92867	812332	403.5(d)	2	9	-		
A & G Electropolish	1-531422	18330 Ward St. Fountain Valley, CA 92708	332813	433.17(a)	2	8	2		
A & K Deburring and Tumbling, Inc.	1-511362	2008 S. Yale St. Unit H Santa Ana, CA 92704	332812	403.5(d)	2	12	2		
A & R Powder Coating, Inc.	1-021088	1198 N. Grove St. Unit B Anaheim, CA 92806	332812	433.17(a)	2	8	2		
Access Business Group, LLC	1-531435	5600 Beach Blvd. Buena Park, CA 90621	325412	439.47	2	6	5		
Accurate Circuit Engineering	1-011138	3019 Kilson Drive Santa Ana, CA 92707	334412	433.17(a)	1	3	3		
Active Plating, Inc.	1-011115	1411 E. Pomona St. Santa Ana, CA 92705	332813	433.17(a)	3	22	8	Zinc	
Advance Tech Plating, Inc.	1-021389	1061 N. Grove St. Anaheim, CA 92806	332813	433.17(a)	2	17	3		
Air Industries Company, A PCC Company (Chapman)	1-031013	7100 Chapman Ave. Garden Grove, CA 92841	332722	403.5(d)	2	5	4		
Air Industries Company, A PCC Company (Knott)	1-531404	12570 Knott St. Garden Grove, CA 92841-3932	332722	433.15(a), 471.64(a), 471.65(a)	2	20	31		
Alex C. Fergusson	1-031186	8371 Monroe Ave. Stanton, CA 90680	325611	417.166, 417.176, 417.36	2	13	2		
Alexander Oil Company	1-581185	19065 Stewart St. Huntington Beach, CA 92648	211111	403.5(d)	2	12	2		
All Metals Processing of O.C., Inc.	1-031110	8401 Standustrial St. Stanton, CA 90680	332813	433.17(a)	2	21	14		
Alliance Medical Products, Inc.	1-541182	9342 Jeronimo Road Irvine, CA 92618	325412	439.47	2	7	-		
Allied Electronics Services, Inc.	1-011073	1342 E. Borchard Santa Ana, CA 92705	334412	433.17(a)	2	14	3		
Alloy Die Casting Co.	1-531437	6550 Caballero Blvd. Buena Park, CA 90620	331523	464.15(a), 464.15(b), 464.15(c), 464.15(h), 464.45(a), 464.45(b), 464.45(d)	2	10	8	pH	

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Alloy Tech Electropolishing, Inc.	1-011036	2220 S. Huron Drive Santa Ana, CA 92704	332812	433.17(a)	3	10	6	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	10	9		
Aluminum Precision Products, Inc. (Central)	1-011038	3132 W. Central Santa Ana, CA 92704	332112	467.45	2	5	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	7	5		Previously listed as Aluminum Precision Products, Inc. #3
American Circuit Technology, Inc.	1-021249	5330 E. Hunter Ave. Anaheim, CA 92807	334412	433.17(a)	1	7	3		
Amerimax Building Products, Inc.	1-021102	1411 N. Daly St. Anaheim, CA 92806	332812	465.35	2	7	4		
Ameripec, Inc.	1-031057	6965 Aragon Circle Buena Park, CA 90620	312111	403.5(d)	2	8	8		
Anaheim Extrusion Co., Inc.	1-021168	1330 & 1340 N. Kraemer Blvd. Anaheim, CA 92806	331318	467.35(c)	2	6	2		
Anchen Pharmaceuticals, Inc. (Fairbanks)	1-541180	72 Fairbanks Irvine, CA 92618	325412	439.47	2	6	5		
Anchen Pharmaceuticals, Inc. (Goodyear)	1-600359	5 Goodyear Irvine, CA 92618	325412	439.47	1	3	5		
Anchen Pharmaceuticals, Inc. (Jeronimo)	1-541179	9601 Jeronimo Road Irvine, CA 92618	325412	439.47	2	6	5		
Andres Technical Plating	1-521798	1055 Ortega Way Unit C Placentia, CA 92870	332813	433.17(a)	2	4	9		
AnoChem Coatings	1-600295	1102 East Washington Ave. Santa Ana, CA 92701	332813	433.17(a)	2	17	3		
Anodyne, Inc.	1-511389	2230 S. Susan St. Santa Ana, CA 92704	332813	433.17(a)	2	13	35		

Orange County Sanitation District (OCSD) - Resource Protection Division
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Facility Name	Permit No.	Physical Address	NAICS Code	Regulation	No. of Inspections	Agency Samples	SMR Samples	Pollutant(s) in Discharge Violation	Comment
Anomil Ent. Dba Danco Metal Surfacing	1-011155	401 Rowland Santa Ana, CA 92707	332813	433.17(a)	2	17	9		
APCT Orange County	1-600503	1900 Petra Ln. Unit C Placentia, CA 92870	334412	433.17(a)	3	20	34	Copper	
Arconic Global Fasteners & Rings, Inc.	1-021081	800 S. State College Blvd. Fullerton, CA 92831-5334	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	32	17		
ARO Service	1-021192	1186 N. Grove St. Anaheim, CA 92806	336411	433.17(a)	3	8	3		
Arrowhead Products Corporation	1-031137	4411 Katella Ave. Los Alamitos, CA 90720	336413	433.17(a)	2	11	9		
Aseptic Technology, LLC	1-501002	24855 Corbit Place Yorba Linda, CA 92887	31193	403.5(d)	2	10	6		
Astech Engineered Products, Inc.	1-571295	3030 Red Hill Ave. Santa Ana, CA 92705	336412	433.17(a)	2	14	9		
Auto-Chlor System of Washington, Inc.	1-511384	530 Goetz Ave. Santa Ana, CA 92707	325611	417.166	2	10	5		
Aviation Equipment Processing	1-071037	1571 MacArthur Blvd. Costa Mesa, CA 92626	336413	433.17(a)	2	9	3		
Avid Bioservices, Inc.	1-571332	14191 Myford Road Tustin, CA 92780	325414	439.27	2	6	2		
B. Braun Medical, Inc. (East/Main)	1-071054	2525 Mcgaw Ave. Irvine, CA 92614	325412	439.47, 463.26, 463.36	2	12	1		
B. Braun Medical, Inc. (North/Alton)	1-600382	2206 Alton Parkway Irvine, CA 92614	325412	439.47	2	7	1		
B. Braun Medical, Inc. (West/Lake)	1-541183	2525 Mcgaw Ave. Irvine, CA 92614	325412	439.47, 463.16, 463.26, 463.36	3	11	1	pH	
Basic Electronics, Inc.	1-031094	11371 Monarch St. Garden Grove, CA 92841	334412	433.17(a)	2	13	2		
Bazz Houston Co.	1-031010	12700 Western Ave. Garden Grove, CA 92841	33211	403.5(d)	2	13	6		
Beckman Coulter, Inc.	1-521824	200 S. Kraemer Blvd. Brea, CA 92821	334516	433.17(a)	2	8	3		

Orange County Sanitation District (OCSD) - Resource Protection Division
July to Dec 2017 List of SIUs with Monitoring & Compliance Status

Facility Name	Permit No.	Physical Address	NAICS Code	Regulation	No. of Inspections	Agency Samples	SMR Samples	Pollutant(s) in Discharge Violation	Comment
Beo-Mag Plating	1-511370	3313 W. Harvard St. Santa Ana, CA 92704	332813	433.17(a)	2	8	12		
Bimbo Bakeries Usa, Inc.	1-521838	500 S. Placentia Ave. Placentia, CA 92870	311812	403.5(d)	2	11	2		
Black Oxide Industries, Inc.	1-021213	1735 N. Orangethorpe Park Anaheim, CA 92801	332812	433.17(a)	2	8	3		
Blue Lake Energy	1-521785	5837 Casson Drive Yorba Linda, CA 92886	211111	403.5(d)	2	9	2		
Bodycote Thermal Processing	1-031120	7474 Garden Grove Blvd. Westminster, CA 92683	332811	403.5(d)	3	18	2		
Boeing Company (Graham)	1-111018	15400 Graham St. Huntington Beach, CA 92649	33641	433.17(a)	2	13	3		
Brasstech, Inc	1-600316	1301 E. Wilshire Ave. Santa Ana, CA 92705	332813	433.17(a)	1	2	7		New Class 1 Permit Issued on 7/1/2018
Brasstech, Inc.	1-511368	3230 S. Standard Ave. Santa Ana, CA 92705	332813	433.17(a)	1	5	1		Class 1 Permit Deactivated 12/1/2018
Brea Power II, LLC	1-521837	1935 Valencia Ave. Brea, CA 92823	221112	403.5(d)	2	12	4		
Bridge Energy, LLC	1-600398	2744 Valencia Ave. Brea, CA 92821	211111	403.5(d)	2	10	3		
Bridgemark Corporation	1-521844	2930 E. Frontera St. Unit A Anaheim, CA 92806	211111	403.5(d)	2	7	2		
Brindle/Thomas - Bradley	1-531428	221 1st St. Huntington Beach, CA 92648	211111	403.5(d)	1	13	2		
Brindle/Thomas - Brooks & Kohlbush	1-531429	18462 Edwards St. Huntington Beach, CA 92648	211111	403.5(d)	2	13	2		
Brindle/Thomas - Catalina & Copeland	1-531430	18851 Stewart Ln. Huntington Beach, CA 92648	211111	403.5(d)	1	14	2		
Brindle/Thomas-Dabney & Patton	1-531427	19192 Stewart Ln. Huntington Beach, CA 92648	211111	403.5(d)	1	13	2		

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July to Dec 2017 List of SIUs with Monitoring & Compliance Status

Facility Name	Permit No.	Physical Address	NAICS Code	Regulation	No. of Inspections	Agency Samples	SMR Samples	Pollutant(s) in Discharge Violation	Comment
Bristol Industries	1-021226	630 E. Lambert Road Brea, CA 92821	332722	433.15(a), 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)	3	19	12	Cadmium, CN	
Broncs, Inc., dba WesCoast Textiles, Inc.	1-600519	12641 Industry St. Garden Grove, CA 92841	313310	403.5(d)	2	12	6		
Brothers International Desserts (North)	1-600583	1682 Kettering St. Irvine, CA 92614-5614	311520	403.5(d)	1	5	1		New Class 1 Permit Issued on 8/1/2018
Brothers International Desserts (West)	1-600582	1682 Kettering St. Irvine, CA 92614-5614	311520	403.5(d)	1	5	1		New Class 1 Permit Issued on 8/1/2018
Burlington Engineering, Inc.	1-521770	220 W. Grove Ave. Orange, CA 92865	332811	433.17(a)	2	7	2		
Cadillac Plating, Inc.	1-021062	1147 W. Struck Ave. Orange, CA 92867	332813	433.17(a)	2	4	29	Zinc	
Cal-Aurum Industries, Inc.	1-111089	15632 Container Ln. Huntington Beach, CA 92649	332813	433.17(a)	3	22	17	Cadmium	
California Gasket and Rubber Corporation	1-521832	533 W. Collins Ave. Orange, CA 92867	339991	428.66(a)	2	4	2		
Cargill, Inc.	1-031060	600 N. Gilbert St. Fullerton, CA 92833	311225	403.5(d)	2	7	6		
Catalina Cylinders, A Div. of APP	1-031021	7300 Anaconda Ave. Garden Grove, CA 92841	331318	467.46	2	9	5		
Cd Video, Inc.	1-511076	12650 Westminster Ave. Garden Grove, CA 92706-2139	334613	433.17(a)	2	9	3		
Central Powder Coating	1-021189	593 Explorer St. Brea, CA 92821	332812	433.17(a)	4	18	4	Molybdenum	
Cherry Aerospace	1-511381	1224 E. Warner Ave. Santa Ana, CA 92705	332722	433.17(a), 467.46, 471.34(a), 471.65(a)	3	17	20	Cadmium, CN	
Chromadora, Inc.	1-511414	2515 S. Birch St. Santa Ana, CA 92707	332813	433.17(a)	2	8	9		
Circuit Technology, Inc.	1-521821	1911 N. Main St. Orange, CA 92865	334112	433.17(a)	2	12	3		
Cirtech, Inc.	1-021133	250 E. Emerson Ave. Orange, CA 92865	334112	433.17(a)	2	16	9		Class 1 Permit Deactivated 11/30/2018

Orange County Sanitation District (OCSD) - Resource Protection Division
July to Dec 2017 List of SIUs with Monitoring & Compliance Status

Facility Name	Permit No.	Physical Address	NAICS Code	Regulation	No. of Inspections	Agency Samples	SMR Samples	Pollutant(s) in Discharge Violation	Comment
Cirtech, Inc.	1-600689	250 E. Emerson Ave. Orange, CA 92865	334112	433.17(a)	-	-	-		New Class 1 Permit Issued on 12/1/2018
City of Anaheim - Public Utilities Dept	1-021073	6751 E. Walnut Canyon Road Anaheim, CA 92807	221310	403.5(d)	2	4	18		
City Of Anaheim - Public Utilities Dept.	1-521862	1144 N. Kraemer Blvd. Anaheim, CA 92806	221112	403.5(d)	2	2	-		
City of Anaheim Public Utilities (Water Services WRDF)	1-521843	210 S. Anaheim Blvd. Anaheim, CA 92805	221320	403.5(d)	2	5	-		Previously listed as City of Anaheim Public Utilities
City of Anaheim, Canyon Power Plant	1-600296	3071 E. Miraloma Ave. Anaheim, CA 92806	221112	403.5(d)	2	8	1		
City of Huntington Beach Fire Department	1-111015	19081 Huntington St. Huntington Beach, CA 92648	211111	403.5(d)	2	13	2		
City of Newport Beach	1-600584	5810 West Coast Hwy. Newport Beach, CA 92660	211111	403.5(d)	1	-	2		New Class 1 Permit Issued on 8/1/2018
City of Tustin - Maintenance Yard	1-071058	1472 Service Road Tustin, CA 92780-1200	921190	403.5(d)	2	12	2		
City of Tustin Water Service (17Th St.)	1-071013	18602 E. 17th St. Tustin, CA 92705	221310	403.5(d)	1	-	-		
City of Tustin, Water Service (Main St)	1-071268	235 E. Main St. Tustin, CA 92780	221310	403.5(d)	-	-	-		
CJ Foods Manufacturing Corp.	1-521849	500 State College Blvd. Fullerton, CA 92831	311824	403.5(d)	2	10	5	pH	
Coast to Coast Circuits, Inc.	1-111129	5332 Commercial St. Huntington Beach, CA 92649	334412	433.17(a)	2	14	8		
Coastline Metal Finishing	1-531436	7061 Patterson Drive Garden Grove, CA 92841	332813	433.17(a)	2	12	9		Class 1 Permit Deactivated 11/30/2018
Coastline Metal Finishing Corp., A Division of Valence Surface Technologies	1-600708	7061 Patterson Drive Garden Grove, CA 92841	332813	433.17(a)	-	-	-		New Class 1 Permit Issued on 12/1/2018

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Coca-Cola Company -Anaheim Water Plant	1-021392	2121 E. Winston Road Anaheim, CA 92806	312112	403.5(d)	1	4	1		
Columbine Associates	1-521784	4660 San Antonio Road Direction E. on B St Yorba Linda, CA 92886	211111	403.5(d)	2	5	2		
Continuous Coating Corporation	1-021290	520 W. Grove Ave. Orange, CA 92865	332812	433.17(a), 465.15	4	17	9		
Cooper and Brain, Inc.	1-031070	1390 Site Drive Brea, CA 92821	211111	403.5(d)	2	11	8	O&G min.	
CP-Carrillo, Inc.	1-571316	1902 McGaw Ave. Irvine, CA 92614	336310	403.5(d)	2	9	3		
Crest Coating, Inc.	1-021289	1361 S. Allec St. Anaheim, CA 92805	332812	433.17(a)	2	12	2		
CRH California Water, Inc.	1-011051	502 S. Lyon St. Santa Ana, CA 92701	561990	403.5(d)	1	4	2		
Custom Enamelers, Inc.	1-021297	18340 Mount Baldy Circle Fountain Valley, CA 92708	332812	433.17(a)	2	12	3		
D.F. Stauffer Biscuit Co., Inc.	1-600414	4041 W. Garry Ave. Santa Ana, CA 92704	311821	403.5(d)	3	9	2	pH	
Dae Shin USA, Inc.	1-031102	610 N. Gilbert St. Fullerton, CA 92833	313310	403.5(d)	2	10	7		
DAH Oil, LLC	1-581173	18962 Stewart Ln. Huntington Beach, CA 92648	211111	403.5(d)	1	6	2		
Darling International, Inc.	1-511378	2624 Hickory St. Santa Ana, CA 92707	562219	403.5(d)	2	11	5	pH	
Data Aire, Inc. #2	1-021379	230 W. Blueridge Ave. Orange, CA 92865	332322	433.17(a)	2	12	3		
Data Electronic Services, Inc.	1-011142	410 Nantucket Place Santa Ana, CA 92703	334412	433.17(a)	2	14	3		
Data Solder, Inc.	1-521761	2915 Kilson Drive Santa Ana, CA 92707	334412	433.17(a)	2	9	3		
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	11	4		

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Facility Name	Permit No.	Physical Address	NAICS Code	Regulation	No. of Inspections	Agency Samples	SMR Samples	Pollutant(s) in Discharge Violation	Comment
Diamond Environmental Services, LP	1-600244	1801 Via Burton Unit B Fullerton, CA 92832	532490	403.5(d)	2	8	4	pH	
Dr. Smoothie Enterprises - DBA Bevolution Group	1-600131	1730 Raymer Ave. Fullerton, CA 92833	311930	403.5(d)	2	11	2	pH	Previously listed as Dr. Smoothie Enterprises
DRS Sensors & Targeting Systems, Inc.	1-531405	10600 Valley View Cypress, CA 90630	334413	469.18(a)	2	7	5		
DS Services of America	1-021393	1522 N. Newhope St. Santa Ana, CA 92703	312112	403.5(d)	2	9	2		
Ducommun Aerostructures, Inc.	1-021105	1885 N. Batavia St. Orange, CA 92865	336413	433.17(a)	2	13	14		
Dunham Metal Processing	1-021325	936 N. Parker St. Orange, CA 92867	332813	433.17(a)	2	14	3		
E&B Natural Resources-Angus Petroleum Corporation	1-600254	1901 California St. Huntington Beach, CA 92648	211111	403.5(d)	2	13	4		
EFT Fast Quality Service, Inc.	1-011064	2328 S. Susan St. Santa Ana, CA 92704	334112	433.17(a)	2	8	3		
Electro Metal Finishing Corporation	1-021158	1194 N. Grove St. Anaheim, CA 92806	332812	433.17(a)	3	7	1	Molybdenum	
Electrolurgy, Inc.	1-071162	1121 Duryea Ave. Irvine, CA 92614	332813	433.17(a)	2	11	35		
Electron Plating Inc.	1-021336	13932 Enterprise Drive Garden Grove, CA 92843	332813	433.17(a)	2	13	9		
Electronic Precision Specialties, Inc.	1-021337	537 Mercury Ln. Brea, CA 92821	332813	433.17(a)	2	12	9		
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)	2	15	12		
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)	2	15	12		
Excello Circuits Manufacturing Corp.	1-521855	1924 Nancita Circle Placentia, CA 92870	334412	433.17(a)	3	28	26	Copper	
Expo Dyeing and Finishing, Inc.	1-031322	1365 Knollwood Circle Anaheim, CA 92801	313310	403.5(d)	2	8	7		
Fabrica International, Inc.	1-011278	3201 S. Susan St. Santa Ana, CA 92704	314110	428.46	2	12	8		

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Fabrication Concepts Corporation	1-011068	1800 E. Saint Andrew Place Santa Ana, CA 92705	332114	433.17(a)	3	16	6		
Fineline Circuits & Technology, Inc.	1-021121	594 Apollo St. Brea, CA 92821-3134	334412	433.17(a)	2	13	3		
FMH Aerospace Corp DBA FMH Corporation	1-571331	17072 Daimler St. Irvine, CA 92614	332912	433.17(a)	1	10	6	Silver	Class 1 Permit Deactivated 7/31/2018
FMH Aerospace Corp.	1-600585	17072 Daimler St. Irvine, CA 92614	332912	433.17(a)	1	6	28		New Class 1 Permit Issued on 8/1/2018
Gaffoglio Family Metalcrafters	1-600443	11161 Slater Ave. Fountain Valley, CA 92708	336111	426.66	2	8	1		
Gallade Chemical, Inc.	1-011257	1230 E. Saint Gertrude Place Santa Ana, CA 92707-3030	422690	403.5(d)	2	30	2		
Gemini Industries, Inc.	1-071172	2311 Pullman St. Santa Ana, CA 92705	331492	415.24, 421.265(a)	3	16	9		
General Container Corporation	1-031042	5450 Dodds Ave. Buena Park, CA 90621	322211	403.5(d)	2	6	4		
GKN Aerospace Transparency Systems	1-531401	12122 Western Ave. Garden Grove, CA 92841	336413	403.5(d)	2	9	6		
Gomtech Electronics, Inc.	1-021352	990 N. Enterprise St. Unit M Orange, CA 92867	334412	433.17(a)	2	18	3		
Goodwin Company	1-031043	12361 Monarch St. Garden Grove, CA 92841	325611	403.5(d)	2	12	8		
Graphic Packaging International, Inc.	1-571314	1600 Barranca Parkway Irvine, CA 92606	322212	403.5(d)	2	5	2		
Green Clean Water & Waste Services	1-521857	1227 S. Claudina St. Anaheim, CA 92805	562219	437.47(b)	-	-	2	Titanium	Class 1 Permit Deactivated 8/10/2018
Hanson-Loran Co., Inc.	1-031107	6700 Caballero Blvd. Buena Park, CA 90620	325612	417.166, 417.176	3	18	6		
Harbor Truck Bodies, Inc.	1-021286	255 Voyager Ave. Brea, CA 92821	336370	433.17(a)	2	13	10		

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Facility Name	Permit No.	Physical Address	NAICS Code	Regulation	No. of Inspections	Agency Samples	SMR Samples	Pollutant(s) in Discharge Violation	Comment
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 Road Placentia, CA 92870	332999	403.5(d)	2	11	2		
Hellman Properties, LLC	1-600273	1650 Adolfo Lopez Drive Seal Beach, CA 90740	211111	403.5(d)	1	3	-		New Class 1 Permit Issued on 11/1/2018
Hi Tech Solder	1-521790	700 Monroe Way Placentia, CA 92870	334412	433.17(a)	2	12	3		
Hightower Plating & Manufacturing Co.	1-021185	2090 N. Glassell Orange, CA 92865-3911	332813	433.17(a)	2	17	9		
Hixson Metal Finishing	1-061115	829 Production Place Newport Beach, CA 92663	332813	413.14(c), 413.14(g), 413.24(c), 413.24(g), 413.44(c), 413.44(g), 413.54(c), 413.54(g), 413.64(c), 413.64(g), 433.17(a)	4	20	45	Chromium, Silver	
House Foods America Corporation	1-031072	7351 Orangewood Ave. Garden Grove, CA 92841	311224	403.5(d)	1	9	8		
Ideal Anodizing, Inc.	1-021041	1250 & 1270 N. Blue Gum St. Anaheim, CA 92806	332813	433.17(a)	2	12	2		
Ikon Powder Coating, Inc.	1-521756	1375 N. Miller St. Anaheim, CA 92806	332812	433.17(a)	2	4	3		
Image Technology, Inc.	1-521755	1380 N. Knollwood Circle Anaheim, CA 92801	325611	417.86	2	9	3		
Imperial Plating	1-031106	2007 Raymer Ave. Suite N Fullerton, CA 92833	332813	433.17(a)	2	12	30		
Imuraya USA, Inc.	1-541178	2502 Barranca Parkway Irvine, CA 92606	311520	403.5(d)	2	9	2		
Independent Forge Company	1-021401	692 N. Batavia St. Orange, CA 92868	332112	467.45	2	8	3		
Industrial Metal Finishing, Inc.	1-521828	1941 Petra Ln. Placentia, CA 92870	332813	403.5(d)	2	7	4	pH	
Intec Products, Inc.	1-021399	1145 N. Grove St. Anaheim, CA 92806	314999	403.5(d)	2	12	1		

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Integral Aerospace, LLC	1-600243	2036 E. Dyer Road Santa Ana, CA 92705	336413	433.17(a)	2	9	9		
International Paper Company (Anaheim)	1-521820	601 E. Ball Road Anaheim, CA 92805	322211	403.5(d)	2	15	2		Previously listed as International Paper Company
International Paper Company (Buena Park Bag)	1-531419	6485 Descanso Ave. Buena Park, CA 90620	322224	403.5(d)	1	7	4		Previously listed as International Paper
International Paper Company (Buena Park Container)	1-031171	6211 Descanso Ave. Buena Park, CA 90620	322211	403.5(d)	2	4	4		Previously listed as International Paper #3
Irvine Ranch Water District - DATS	1-011075	1704 W. Segerstrom Ave. Santa Ana, CA 92704	221310	403.5(d)	2	10	4		
Irvine Ranch Water District (Wells 21/22 Desalter)	1-571327	1221 Edinger Ave. Tustin, CA 92780	221310	403.5(d)	1	7	1		Previously listed as Irvine Ranch Water District
Irvine Sensors Corporation	1-571328	3001 Red Hill Ave. Unit 3108 Costa Mesa, CA 92626	541712	469.18(a)	1	7	-		
J & R Metal Finishing Co.	1-521823	307 N. Euclid Way Building H1 Anaheim, CA 92801	332812	403.5(d)	2	10	3		
J&J MARINE AQUISITIONS, LLC	1-551152	151 Shipyard Way Unit 7 Newport Beach, CA 92663	336611	403.5(d)	2	7	3		
Jazz Semiconductor	1-571292	4311 Jamboree Road Newport Beach, CA 92660	334413	469.18(a)	2	12	-		
JD Processing, Inc.	1-511407	2220 Cape Cod Way Santa Ana, CA 92703	332813	433.17(a)	2	13	9		
Jellco Container, Inc.	1-021402	1151 N. Tustin Ave. Anaheim, CA 92807	322212	403.5(d)	2	9	3		
John A. Thomas- Bolsa Oil	1-031065	18701 Edwards St. Huntington Beach, CA 92648	211111	403.5(d)	2	16	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	18	-		

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Kenlen Specialities, Inc.	1-021171	11691 Coley River Circle Fountain Valley, CA 92708	332812	433.17(a)	3	13	3	Molybdenum, Zinc	
Kimberly Clark Worldwide Inc., Fullerton Mill	1-021425	2001 E. Orangethorpe Fullerton, CA 92831	322121	430.127	2	9	8		
Kinsbursky Brothers Supply, Inc.	1-021424	1314 N. Anaheim Blvd. Anaheim, CA 92801	423930	403.5(d)	2	11	2		
Kirkhill TA Company (North)	1-021426	300 E. Cypress St. Brea, CA 92821	339991	428.76(a)	1	5	2		Class 1 Permit Deactivated 9/1/2018
Kirkhill TA Company (South)	1-021052	300 E. Cypress St. Brea, CA 92821	339991	428.76(a)	1	5	2		Class 1 Permit Deactivated 9/1/2018
Kirkhill, Inc. (North)	1-600608	300 E. Cypress St. Brea, CA 92821	339991	428.76(a)	1	7	2		New Class 1 Permit Issued on 9/1/2018
Kirkhill, Inc. (South)	1-600609	300 E. Cypress St. Brea, CA 92821	339991	428.76(a)	1	7	2		New Class 1 Permit Issued on 9/1/2018
Kraft Heinz Company	1-071056	2450 White Road Irvine, CA 92614	311941	403.5(d)	3	10	2		
Kryler Corporation	1-021428	1217 E. Ash Ave. Fullerton, CA 92831	332813	413.14(b), 413.14(f), 433.17(a)	2	14	4		
Kyocera Precision Tools, Inc.	1-511385	3565 Cadillac Ave. Costa Mesa, CA 92626	333515	403.5(d)	2	9	2		
La Habra Bakery	1-031029	850 S. Cypress St. La Habra, CA 90631	311812	403.5(d)	2	8	6		
Legendary Baking of California, LLC	1-600294	3102 W. Adams St. Santa Ana, CA 92704	311812	403.5(d)	3	9	2	pH	Class 1 Permit Deactivated 12/28/2018
Lightning Diversion Systems LLC	1-600338	16572 Burke Ln. Huntington Beach, CA 92647	334412	433.17(a)	2	9	3		
Linco Industries, Inc.	1-021253	528 S. Central Park Ave. Direction West Anaheim, CA 92802	332812	403.5(d)	2	13	4		
LM Chrome Corporation	1-511361	654 Young St. Santa Ana, CA 92705	332813	433.17(a)	2	33	14		

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Logi Graphics, Inc.	1-031049	17592 Metzler Ln. Huntington Beach, CA 92647	334412	433.17(a)	2	14	2		
LSW Enterprises, LLC	1-521863	1215 N. Grove St. Anaheim, CA 92806	562219	403.5(d)	1	-	-		Class 1 Permit Deactivated 7/19/2018
M.S. Bellows	1-111007	5322 Mcfadden Ave. Huntington Beach, CA 92649	332813	433.17(a)	2	10	3		
Magnetic Metals Corporation	1-531391	2475 W. La Palma Ave. Anaheim, CA 92801	335311	433.17(a)	3	11	3		
Manufactured Packaging Products	1-521793	3200 Enterprise St. Brea, CA 92821	322211	403.5(d)	2	7	1		
Manufactured Packaging Products (MPP Fullerton)	1-021681	1901 E. Rosslynn Ave. Fullerton, CA 92831	322211	403.5(d)	2	10	2		
Markland Manufacturing, Inc.	1-011046	1111 E. Mcfadden Ave. Santa Ana, CA 92705	332813	433.17(a)	2	18	14		
Maruchan, Inc. (Deere)	1-071024	1902 Deere Ave. Irvine, CA 92606	311824	403.5(d)	2	4	2		
Maruchan, Inc. (Laguna Cyn)	1-141015	15800 Laguna Canyon Road Irvine, CA 92618	311824	403.5(d)	3	4	4		
Marukome USA, Inc.	1-141023	17132 Pullman St. Irvine, CA 92614	311991	403.5(d)	4	10	2	pH	
Master Wash, Inc.	1-511399	3120 Kilson St. Santa Ana, CA 92707	811192	403.5(d)	2	6	2		
Mckenna Labs, Inc.	1-021422	1601 E. Orangethorpe Ave. Fullerton, CA 92831	325620	417.86	2	6	2		
MCP Foods, Inc.	1-021029	424 S. Atchison St. Anaheim, CA 92805	311942	403.5(d)	2	13	8		
Medtronic Heart Valves, Inc.	1-071051	1851 E. Deere Ave. Santa Ana, CA 92705	334510	403.5(d)	2	12	2		Class 1 Permit Deactivated 1/31/2019
Meggitt, Inc.	1-600006	14600 Myford Road Irvine, CA 92606	334519	433.17(a)	2	7	5		
Merical, Inc.	1-521840	233 E. Bristol Ln. Orange, CA 92865	325412	439.47	1	4	7		Class 1 Permit Deactivated 10/31/2018

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Merical, LLC	1-600655	233 E. Bristol Ln. Orange, CA 92865	325412	439.47	-	-	-		New Class 1 Permit Issued on 11/1/2018
Mesa Water District	1-061007	1350 Gisler Ave. Costa Mesa, CA 92626	221310	403.5(d)	2	5	4		
Micrometals, Inc.	1-021153	5615 E. La Palma Ave. Anaheim, CA 92807	334416	433.17(a)	2	8	3		
Murrietta Circuits	1-521811	5000 E. Landon St. Anaheim, CA 92807	334412	433.17(a)	2	12	3	pH	
Nalco Cal Water, LLC	1-521748	1961 Petra Ln. Placentia, CA 92870	561990	403.5(d)	2	9	2		
National Construction Rentals	1-600652	1550 E. Chestnut Ave. Santa Ana, CA 92701	562991	403.5(d)	-	7	-		New Class 1 Permit Issued on 11/1/2018
Neutronic Stamping and Plating	1-521772	10535 Lawson River Ave. Fountain Valley, CA 92708	334417	433.17(a)	2	9	3		
Newport Corporation	1-071038	1791 Deere Ave. Irvine, CA 92606	334516	403.5(d)	2	7	1		
Nobel Biocare USA, LLC	1-521801	22725 Savi Ranch Parkway Yorba Linda, CA 92887	339114	433.17(a)	2	12	3		
Nor-Cal Beverage Co., Inc. (Main)	1-021284	1226 N. Olive St. Anaheim, CA 92801	312111	403.5(d)	2	10	8		
Nor-Cal Beverage Co., Inc. (NCB)	1-021283	1226 N. Olive St. Anaheim, CA 92801	312111	403.5(d)	2	8	8		
O.C. Waste & Recycling	1-141018	20661 Newport Coast Drive Newport Beach, CA 92657	562910	403.5(d)	2	10	3		
Oakley, Inc.	1-141012	1 Icon Foothill Ranch, CA 92610	339115	463.16, 463.26, 463.36	2	9	2		
O'Donnell Oil Company, LLC	1-581191	7800 Palin Circle Huntington Beach, CA 92648	211111	403.5(d)	1	6	2		
Omni Metal Finishing, Inc.	1-021520	11665 Coley River Circle Fountain Valley, CA 92708	332813	433.17(a)	3	15	8		
Pacific Image Technology, Inc.	1-021070	1875 S. Santa Cruz St. Anaheim, CA 92805	334112	433.17(a)	2	13	3		

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Pacific Western Container	1-511371	4044 W. Garry Ave. Santa Ana, CA 92704	322211	403.5(d)	2	6	2		
Parker Hannifin Corporation	1-141002	14300 Alton Parkway Irvine, CA 92618-1898	332912	433.17(a)	3	-	-		
Patio and Door Outlet, Inc.	1-521783	410 W. Fletcher Ave. Orange, CA 92865	332812	433.17(a)	2	14	3		
Patriot Wastewater, LLC (Freedom CWT)	1-521861	314 W. Freedom Ave. Orange, CA 92865	562219	437.47(b)	2	14	14		
Patriot Wastewater, LLC (Freedom Non-CWT)	1-600147	314 W. Freedom Ave. Orange, CA 92865	562219	403.5(d)	2	10	8		
Pepsi-Cola Bottling Group	1-031295	6261 Caballero Blvd. Buena Park, CA 90620	312111	403.5(d)	2	9	8		
Performance Powder, Inc.	1-521805	2920 E. La Jolla St. Anaheim, CA 92806	332812	433.17(a)	3	10	3	Molybdenum	
Petroprize Corporation	1-581180	319 20th St. Huntington Beach, CA 92648	211111	403.5(d)	2	11	2		
Pier Oil Company, Inc.	1-581178	201 2nd St. Huntington Beach, CA 92648	211111	403.5(d)	2	10	2		
Pioneer Circuits, Inc.	1-011262	3010 S. Shannon St. Santa Ana, CA 92704	334412	433.17(a)	2	13	9		
Platinum Surface Coating, Inc.	1-521852	1173 N. Fountain Way Anaheim, CA 92806	332813	433.17(a)	2	10	4		
Plegel Oil Company - (A.H.A.)	1-021176	16801 Rumson St. Yorba Linda, CA 92886	211111	403.5(d)	2	7	2		
Plegel Oil Company (Blattner/Joe Johnson)	1-521864	900 Mammoth Way Placentia, CA 92870	211111	403.5(d)	2	7	2		Previously listed as Plegel Oil Company, Inc. (Blattner)
PowderCoat Services, LLC - Building E	1-600167	307 N. Euclid Way Blvd. Building E Anaheim, CA 92801	332812	433.17(a)	2	14	3		
PowderCoat Services, LLC - Building J	1-600168	237 N. Euclid Way Building J Anaheim, CA 92801	332812	433.17(a)	2	13	3		

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Power Distribution, Inc.	1-511400	4011 W. Carriage Drive Santa Ana, CA 92704	335311	403.5(d)	2	10	4		
Powerdrive Oil & Gas Company, LLC (16th)	1-600246	613 16th St. Huntington Beach, CA 92648	211111	403.5(d)	2	-	-		
Powerdrive Oil & Gas Company, LLC (Surveyor)	1-600245	21632 Surveyor Circle Huntington Beach, CA 92646	211111	403.5(d)	2	-	-		
Precious Metals Plating Co., Inc.	1-011265	2635 Orange Ave. Santa Ana, CA 92707	332813	433.17(a)	2	14	3		
Precision Anodizing & Plating, Inc.	1-521809	1601 N. Miller St. Anaheim, CA 92806	332813	433.17(a)	2	18	9		
Precision Circuits West, Inc.	1-011008	3310 W. Harvard St. Santa Ana, CA 92704-3920	334412	433.17(a)	2	8	3		
Precision Resource, California Division	1-111002	5803 Engineer St. Huntington Beach, CA 92649	332710	403.5(d)	2	12	2		
Precon, Inc.	1-021581	3131 E. La Palma Ave. Anaheim, CA 92806	332721	403.5(d)	2	12	9		
Primatex Industries, Inc.	1-031036	6237 Descanso Circle Buena Park, CA 90620	313310	403.5(d)	3	8	4	Zinc	
Prudential Overall Supply	1-071235	16901 Aston St. Irvine, CA 92606	812332	403.5(d)	2	13	3		
Pulmuone Wildwood, Inc.	1-531397	2315 Moore Ave. Fullerton, CA 92833	311991	403.5(d)	3	11	7		
Q-Flex Inc.	1-600337	1301 E. Hunter Ave. Santa Ana, CA 92705	334418	433.17(a)	2	9	4		
Quality Aluminum Forge, LLC (Cypress North)	1-521833	814 N. Cypress St. Orange, CA 92867	332112	467.45	2	13	5		
Quality Aluminum Forge, LLC (Cypress South)	1-600272	794 N. Cypress St. Orange, CA 92867-6606	332112	467.46	2	15	5		
Quikturn Professional Screenprinting	1-521858	567 S. Melrose St. Placentia, CA 92870	333249	403.5(d)	2	9	2		
Railmakers, Inc.	1-061138	864 W. 18th St. Costa Mesa, CA 92627	332323	433.17(a)	1	6	3		Class 1 Permit Deactivated 11/1/2018

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Rayne Dealership Corporation	1-571303	17835 Sky Park Circle Suite M Irvine, CA 92614	454390	403.5(d)	2	9	1		
RBC Transport Dynamics Corp.	1-011013	3131 W. Segerstrom Ave. Santa Ana, CA 92704	336413	433.17(a)	2	10	3		
Reid Metal Finishing	1-511376	3110 W. Harvard St. Santa Ana, CA 92704	332813	433.17(a)	2	13	13		
Remora Operating CA, LLC	1-581192	219 1st St. Huntington Beach, CA 92648	211111	403.5(d)	2	13	2		
Republic Waste Services	1-521827	2727 Coronado St. Anaheim, CA 92806	56211	403.5(d)	3	21	2	Cadmium, Copper, Lead, Zinc	
Republic Waste Services of So. Cal., LLC	1-021169	1235 N. Blue Gum St. Anaheim, CA 92806	562111	403.5(d)	2	12	2		
Rich Products Corp.	1-511404	3401 W. Segerstrom Ave. Santa Ana, CA 92704	311812	403.5(d)	2	8	2		
Rigiflex Technology, Inc.	1-021187	1166 N. Grove St. Anaheim, CA 92806	334418	433.17(a)	2	16	3		
Robinson Pharma, Inc. (Croddy)	1-511413	2632 S. Croddy Way Santa Ana, CA 92704	325411	439.47	2	-	-		
Robinson Pharma, Inc. (Harbor North)	1-600126	2811 S. Harbor Blvd. Santa Ana, CA 92704	325412	439.47	2	10	11		
Robinson Pharma, Inc. (Harbor South)	1-511412	3330 S. Harbor Blvd. Santa Ana, CA 92704	325412	439.47	2	9	11		
Rolls-Royce HTC	1-600212	5730 Katella Ave. Cypress, CA 90630	541712	403.5(d)	2	5	4		
Rolls-Royce HTC (fume scrubber)	1-600213	5730 Katella Ave. Cypress, CA 90630	541712	403.5(d)	2	7	3		
Roto-Die Company, Inc.	1-021033	712 N. Valley St. Suite B Anaheim, CA 92801	332710	433.17(a)	2	17	3		
Rountree / Wright Enterprises, LLC	1-111028	114 14th St. Lot / Block 12&14/113 Huntington Beach, CA 92648	211111	403.5(d)	2	9	2		
S & C Oil Co., Inc.	1-581175	18742 Goldenwest St. Huntington Beach, CA 92649	211111	403.5(d)	2	12	2		

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Safran Electronics & Defense, Avionics USA, LLC.	1-571304	3184 Pullman St. Costa Mesa, CA 92626	335931	433.17(a)	3	14	3	Zinc	
Sanmina Corporation (Airway)	1-061008	2955 Airway Ave. Costa Mesa, CA 92626	334412	433.17(a)	2	17	9		
Sanmina Corporation (Redhill)	1-061009	2950 Red Hill Ave. Costa Mesa, CA 92626	334412	433.17(a)	2	17	9		
Santana Services	1-021016	1224 E. Ash Ave. Fullerton, CA 92831	332813	433.17(a)	2	9	3		
Schreiber Foods, Inc.	1-021049	1901 Via Burton Fullerton, CA 92831	311511	403.5(d)	2	4	8		
Scientific Spray Finishes, Inc.	1-031311	315 S. Richman Ave. Fullerton, CA 92832	332812	433.17(a)	2	14	3		
Semicoa	1-571313	333 Mccormick Ave. Costa Mesa, CA 92626	334413	469.18(a)	1	10	5		
Serrano Water District	1-021137	5454 Taft Ave. Orange, CA 92867	221310	403.5(d)	2	16	1		
SFPP, LP	1-021619	1350 N. Main St. Orange, CA 92867	493190	403.5(d)	1	-	-		
Shepard Bros., Inc.	1-031034	503 S. Cypress St. La Habra, CA 90631	325611	417.166, 417.176	2	12	2		
Shur-Lok Company	1-600297	2541 White Road Irvine, CA 92614	332722	433.17(a)	2	-	-		
Simply Fresh Foods, Inc.	1-531426	6535 Caballero Blvd. Buena Park, CA 90620	311421	403.5(d)	2	10	4		Class 1 Permit Deactivated 12/31/2018
Soldermask, Inc.	1-031341	17905 Metzler Ln. Huntington Beach, CA 92647	334412	433.17(a)	2	13	9		
South Coast Baking, LLC	1-600565	1711 Kettering St. Irvine, CA 92614-5615	311821	403.5(d)	2	10	1		New Class 1 Permit Issued on 7/1/2018
South Coast Circuits, Inc. (Bldg 3500 A)	1-011069	3500 W. Lake Center Drive Unit A Santa Ana, CA 92704	334412	433.17(a)	2	21	9		
South Coast Circuits, Inc. (Bldg 3506 A)	1-011030	3506 Lake Center Drive Building A Santa Ana, CA 92704	334412	433.17(a)	2	12	3		

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Facility Name	Permit No.	Physical Address	NAICS Code	Regulation	No. of Inspections	Agency Samples	SMR Samples	Pollutant(s) in Discharge Violation	Comment
South Coast Circuits, Inc. (Bldg 3512 A)	1-511365	3512 W. Lake Center Drive Unit A Santa Ana, CA 92704	334412	433.17(a)	2	21	9		
South Coast Circuits, Inc. (Bldg 3524 A)	1-011054	3524 W. Lake Center Drive Unit A Santa Ana, CA 92704	334412	433.17(a)	2	13	3		
South Coast Water	1-511405	401 S. Santa Fe St. Santa Ana, CA 92705	333318	403.5(d)	2	8	2		
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		
SPS Technologies	1-011310	2701 S. Harbor Blvd. Santa Ana, CA 92704	332722	433.17(a), 471.34(a)	2	15	16		
Stainless Micro-Polish, Inc.	1-021672	1286 N. Grove St. Anaheim, CA 92806	332813	433.17(a)	2	17	3		
Star Manufacturing LLC, dba Commercial Metal Forming	1-600653	341 W. Collins Ave. Orange, CA 92867	332119	403.5(d)	-	22	-		New Class 1 Permit Issued on 11/1/2018
Star Powder Coating, Inc.	1-531425	7601 Park Ave. Garden Grove, CA 92841	332812	433.17(a)	2	13	1		
Statek Corporation (Main)	1-021664	512 N. Main St. Orange, CA 92868	334419	469.26(a)	2	17	2		
Statek Corporation (Orange Grove)	1-521777	1449 W. Orange Grove Ave. Unit B Orange, CA 92868	334419	469.28(a)	2	18	-		
Stepan Company	1-021674	1208 N. Patt St. Anaheim, CA 92801	325613	417.106, 417.96	4	11	5	1,4-dioxane	
Stremicks Heritage Foods, LLC	1-021028	4002 Westminster Ave. Santa Ana, CA 92703-1310	311511	403.5(d)	2	11	8		
Summit Interconnect, Inc.	1-600012	223 N. Crescent Way Anaheim, CA 92801	334412	433.17(a)	2	16	9		
Summit Interconnect, Inc., Orange Division	1-600060	230 W. Bristol Ln. Orange, CA 92865	334412	433.17(a)	2	15	9		

Orange County Sanitation District (OCSD) - Resource Protection Division
July to Dec 2017 List of SIUs with Monitoring & Compliance Status

Facility Name	Permit No.	Physical Address	NAICS Code	Regulation	No. of Inspections	Agency Samples	SMR Samples	Pollutant(s) in Discharge Violation	Comment
Sunny Delight Beverages Co.	1-021045	1230 N. Tustin Ave. Anaheim, CA 92807	312111	403.5(d)	1	4	8		
Superior Plating	1-021090	1901 E. Cerritos Ave. Anaheim, CA 92805	332813	433.17(a)	2	19	9		
Superior Processing	1-021403	1115 Las Brisas Place Placentia, CA 92870	334412	433.17(a)	2	12	3		
Tayco Engineering, Inc.	1-031012	10874 Hope St. Cypress, CA 90630	334513	433.17(a)	2	9	3	Copper	
Taylor-Dunn Manufacturing Company	1-021123	2114 Ball Road Anaheim, CA 92804	333924	433.17(a)	2	9	3		
TC Cosmotronic, Inc., DBA Cosmotronic	1-571309	16721 Noyes Ave. Irvine, CA 92606	334412	433.17(a)	-	-	2		Class 1 Permit Deactivated 8/31/2018
Techplate, Inc.	1-021082	1571 S. Sunkist St. Suite H Anaheim, CA 92806	332813	433.17(a)	1	-	-		Class 1 Permit Deactivated 8/31/2018
Teva Parenteral Medicines, Inc.	1-141007	19 Hughes Irvine, CA 92618	325412	439.47	2	6	5		
Thermal-Vac Technology, Inc.	1-021282	1221 W. Struck Ave. Orange, CA 92867	332410	433.17(a)	2	14	9		
Thompson Energy Resources, LLC	1-521773	3351 E. Birch St. Brea, CA 92821-6251	211111	403.5(d)	3	18	3	O&G min.	
Timken Bearing Inspection, Inc.	1-531415	4422 Corporate Center Drive Los Alamitos, CA 90720	336412	403.5(d)	2	9	3		
Tiodize Company, Inc.	1-111132	15701 Industry Ln. Huntington Beach, CA 92649	332813	433.17(a)	2	9	9		
Toyota Racing Development	1-071059	335 Baker St. Costa Mesa, CA 92626	336310	403.5(d)	2	7	15		
Transline Technology, Inc.	1-021202	1106 S. Technology Circle Anaheim, CA 92805	334412	433.17(a)	2	13	3		
Tropitone Furniture Co., Inc.	1-141163	5 Marconi Irvine, CA 92618	337124	433.17(a)	2	6	4		
TTM Technologies North America, LLC. (Coronado)	1-521859	3140 E. Coronado St. Anaheim, CA 92806	334412	433.17(a)	2	16	17	Copper	
TTM Technologies North America, LLC. (Croddy)	1-511366	2645 Croddy Way Santa Ana, CA 92704	334412	433.17(a)	3	22	9		
TTM Technologies North America, LLC. (Harbor)	1-511359	2640 S. Harbor Blvd. Santa Ana, CA 92704	334412	433.17(a)	2	17	9		

Orange County Sanitation District (OCSD) - Resource Protection Division
July to Dec 2017 List of SIUs with Monitoring & Compliance Status

Facility Name	Permit No.	Physical Address	NAICS Code	Regulation	No. of Inspections	Agency Samples	SMR Samples	Pollutant(s) in Discharge Violation	Comment
3M ESPE Dental Products	Z-371301	2111 Mcgaw Ave. Irvine, CA 92614	339114	471.14(a)	1	-	-		
ADS Gold, Inc.	Z-321851	3843 E. Eagle Drive Anaheim, CA 92807	331410	433.17(a)	-	-	-		
Advanced Plating Technology	Z-371321	1765 N. Batavia St. Orange, CA 92865	332813	433.17(a)	1	-	-		
Ametek Aerospace, Inc.	Z-361006	17032 Armstrong Ave. Irvine, CA	334511	433.17(a)	-	-	-		
Astech Engineered Products, Inc. # 2	Z-371320	3030 Red Hill Ave. Santa Ana, CA 92705	336412	471.14(a)	1	-	-		
B&B Enameling, Inc.	Z-331432	17591 Sampson Ln. Huntington Beach, CA 92647	332812	433.17(a)	-	-	-		
California Faucets	Z-331431	5271 Argosy Huntington Beach, CA 92649	332812	433.17(a)	1	-	-		
CEO To Go, Inc.	Z-321854	3080 E. La Jolla St. Anaheim, CA 92806	332813	433.17(a)	1	-	-		
Ultra-Pure Metal Finishing, Inc.	1-021703	1764 N. Case St. Orange, CA 92865	332813	433.17(a)	2	13	9		
United Pharma, LLC	1-531418	2317 Moore Ave. Fullerton, CA 92833	325412	403.5(d)	4	9	2		
Universal Alloy Corp.	1-021706	2871 La Mesa Ave. Anaheim, CA 92806	331318	467.35(c)	2	12	5		
Universal Molding Co.	1-521836	1551 E. Orangethorpe Ave. Fullerton, CA 92831	332812	433.17(a)	2	14	3		
CLA-VAL Co. Div. of Griswold Ind.	Z-361103	1701 Placentia Ave. Costa Mesa, CA 92627	332911	433.15(a)	1	-	-		
UOP, LLC	1-521751	2100 E. Orangethorpe Ave. Anaheim, CA 92806	326113	403.5(d)	2	6	2		
CPPG, Inc.	Z-321813	3911 E. Miraloma Ave. Anaheim, CA 92806	332813	433.17(a)	-	-	-		
Cytec Engineered Materials, Inc.	Z-600005	1440 N. Kraemer Blvd. Anaheim, CA 92806	325520	433.17(a)	-	-	-		
Electrorack Products Co., Inc.	Z-321092	1443 S. Sunkist St. Anaheim, CA 92806	332999	433.17(a)	1	-	-		

Orange County Sanitation District (OCSD) - Resource Protection Division
July to Dec 2017 List of SIUs with Monitoring & Compliance Status

Facility Name	Permit No.	Physical Address	NAICS Code	Regulation	No. of Inspections	Agency Samples	SMR Samples	Pollutant(s) in Discharge Violation	Comment
Fullerton Custom Works, Inc.	Z-331424	1165 E. Elm Ave. Fullerton, CA 92831	332813	433.17(a)	2	-	-		
Van Law Food Products, Inc.	1-531439	2325 Moore Ave. Fullerton, CA 92833	311941	403.5(d)	2	7	8	pH	
Hyatt Die Casting & Engineering Corp.	Z-331236	4656 Lincoln Ave. Cypress, CA 90630	331523	464.15(a)	1	-	-		
Kanstul Musical Instruments	Z-321800	1332 Claudina St. Anaheim, CA 92805	339992	433.17(a)	-	-	-		
La Habra Plating Co., Inc.	Z-331399	900 S. Cypress La Habra, CA 90631	332813	433.17(a)	1	-	-		
Vi-Cal Metals, Inc.	1-521846	1400 N. Baxter St. Anaheim, CA 92806	562920	403.5(d)	2	6	3		
Magma Finishing Corp.	Z-321810	2294 N. Batavia St. Suite D Orange, CA 92865	332813	433.17(a)	1	-	-		
Vit-Best Nutrition, Inc.	1-600010	2832 Dow Ave. Tustin, CA 92780	325411	439.47	2	12	7		
Neutron Plating, Inc.	Z-321812	2993 E. Blue Star St. Anaheim, CA 92806	332812	433.17(a)	1	-	-		
Nu-Tec Powder Coating	Z-321383	2990 E. Blue Star St. Anaheim, CA 92806	332812	433.17(a)	1	-	-		
Pacific Chrome Services	Z-311396	603 E. Alton Ave. Suite F Santa Ana, CA 92705	332813	433.17(a)	2	-	-		
Weber Precision Graphics	1-011354	2730 Shannon St. Santa Ana, CA 92704	323113	403.5(d)	2	10	-		
Porter Powder Coating	Z-321817	514 S. Rose St. Anaheim, CA 92805	332813	433.17(a)	-	-	-		
Weidemann Water Conditioners, Inc.	1-021653	1702 E. Rosslynn Ave. Fullerton, CA 92831-5111	333318	403.5(d)	2	7	2		
West Newport Oil Company	1-061110	1080 W. 17th St. Costa Mesa, CA 92627	211111	403.5(d)	2	12	8		
Western Yarn Dyeing, Inc.	1-031114	2011 Raymer Ave. Fullerton, CA 92833	313110	403.5(d)	2	8	6		
Wilco-Placentia Oil Operator, LLC	1-521829	550 Richfield Road Placentia, CA 92870	211111	403.5(d)	2	8	2		
Winonics (Brea)	1-031035	660 N. Puente St. Brea, CA 92821	334412	433.17(a)	1	4	10		
Spectrum Paint And Powder, Inc.	Z-321822	1332 S. Allec St. Anaheim, CA 92805	332812	433.17(a)	1	-	-		

Orange County Sanitation District (OCSD) - Resource Protection Division
July to Dec 2017 List of SIUs with Monitoring & Compliance Status

Facility Name	Permit No.	Physical Address	NAICS Code	Regulation	No. of Inspections	Agency Samples	SMR Samples	Pollutant(s) in Discharge Violation	Comment
Strip Clean Company	Z-321673	5105 W. 1st St. Santa Ana, CA 92703	332812	433.17(a)	2	-	-		
Winonics, Inc.	1-021735	1257 State College Blvd. Fullerton, CA 92831	334412	433.17(a)	2	12	9		
Yakult USA, Inc.	1-521850	17235 Newhope St. Fountain Valley, CA 92708	311511	403.5(d)	2	10	6		

ORANGE COUNTY SANITATION DISTRICT

RESOURCE PROTECTION DIVISION

SAWPA MONITORING AND COMPLIANCE STATUS REPORT

APPENDIX 2

1st and 2nd Quarters

FISCAL YEAR 2018/2019

Santa Ana Watershed Project Authority (SAWPA) July 1, 2018 - December 31, 2018
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	Comment
Anita B. Smith Treatment Facility	WMWD	Direct	D1074-3.1	2100 Fleetwood Drive Riverside, CA 92509	221310	SIU	403.5(d)	-	2	6	2		
C.C. Graber Company	IEUA	Indirect	I1005-2.1	315 E. 4th Street Ontario, CA 91764	311421	CIU	407.64	-	2	6	0		
California Institution for Men	IEUA	Direct	D1006-2.1	14901 Central Avenue Chino, CA 91710	922140	SIU	403.5(d)	-	2	6	11		
Chino I Desalter	SAWPA	Direct	D1081-3.1	6905 Kimball Avenue Chino, CA 91708	221310	SIU	403.5(d)	-	2	4	2		
Chino II Desalter	SAWPA	Direct	D1010-3.1	11251 Harrel Street Jurupa Valley, CA 91752	221310	SIU	403.5(d)	-	2	8	5		
City of Colton - Agua Mansa Power Plant	VALLEY	Direct	D1002-3.1	2040 W. Agua Mansa Road Colton, CA 92324	221122	SIU	403.5(d)	-	2	6	8		
City of Corona's Water Reclamation Facility No.1	WMWD	Direct - Emergency	E1013-2.1	2205 Railroad Street Corona, CA 92880	221320	SIU	403.5(d)	-	0	0	0		
Dart Container Corporation	WMWD	Direct	D1019-2.1	150 S. Maple Street Corona, CA 92880	326140	SIU	403.5(d)	-	2	14	2		
Del Real Foods, LLC	JCSD	Direct	D1021-2.1	11041 Inland Avenue Jurupa Valley, CA 91752	311991	SIU	403.5(d)	-	14	8	3	pH (local)	
EMWD Collection Station	SAWPA	Direct	D1055-2.2	29541 Murrieta Road Menifee, CA 92586	221320	SIU	403.5(d)	-	2	4	2		
EMWD Energy Dissipater	SAWPA	Direct - Emergency	E1068-2.1	636 Minthorn Street Lake Elsinore, CA 92530	221320	SIU	403.5(d)	-	1	0	0		
EMWD Perris & Menifee Desalination Facility	SAWPA	Direct	D1061-2.1	29541 Murrieta Road Menifee, CA 92586	221310	SIU	403.5(d)	-	3	4	3		
EMWD Railroad Canyon Pipeline	SAWPA	Direct - Emergency	E1067-3.1	Railroad Canyon Road Canyon Lake, CA 92587	221320	SIU	403.5(d)	-	1	0	0		
IEUA Collection Station	SAWPA	Direct	D1035-3.1	16400 El Prado Road Chino, CA 91710	221320	SIU	403.5(d)	-	1	4	2		
IEUA Los Serranos	SAWPA	Direct - Emergency	E1037-2.1	6075 Kimball Avenue Chino, CA 91708	221320	SIU	403.5(d)	-	1	0	0		
Infineon Technologies Americas Corporation	EMWD	Indirect	I1039-2.1	41915 Business Park Drive Temecula, CA 92590	334413	CIU	469.18	Y	2	5	4		
Inland Bioenergy, LLC	SAWPA	Direct	D1072-3	16090 Mountain Avenue Chino, CA 91710	562219	SIU	403.5(d)	-	3	17	150		New Permit
Inland Empire Energy Center	EMWD	Direct	D1036-3	26226 Antelope Road Menifee, CA 92585	221112	CIU	423.17	-	2	16	14		
JCSD Celebration Metering Station	SAWPA	Direct - Emergency	E1042-2.1	5972 Hamner Avenue Eastvale, CA 92880	221320	SIU	403.5(d)	-	1	0	0		
JCSD Etiwanda Metering Station	SAWPA	Direct	D1044-3.1	Etiwanda Avenue and N. of Bellegrave Avenue	221320	SIU	403.5(d)	-	2	29	6		
JCSD Hamner Lift Station	SAWPA	Direct - Emergency	E1046-2.3	7302 Hamner Avenue Eastvale, CA 92880	221320	SIU	403.5(d)	-	1	0	0		
JCSD Hamner Metering Station	SAWPA	Direct	D1045-3.1	5410 Hamner Avenue Eastvale, CA 91752	221320	SIU	403.5(d)	-	2	6	6		
JCSD Harrison Metering Station	SAWPA	Direct - Emergency	E1047-2.3	6998 Harrison Avenue Eastvale, CA 92880	221320	SIU	403.5(d)	-	1	0	0		
JCSD Roger D. Teagarden Ion Exchange Water Treatment Plant	SAWPA	Direct	D1070-3.1	4150 Etiwanda Avenue Mira Loma, CA 91752	221310	SIU	403.5(d)	-	2	4	3		
JCSD Scholar Way Metering Station	SAWPA	Direct - Emergency	E1113-1.1	6980 Scholar Way Eastvale, CA 92880	221320	SIU	403.5(d)	-	1	0	0		
JCSD Wineville Metering Station	SAWPA	Direct	D1048-3.1	5101 Wineville Avenue Jurupa Valley, CA 91752	221320	SIU	403.5(d)	-	2	18	6		
JSCD Wells 17 & 18 Ion Exchange Treatment Facility	SAWPA	Direct	D1040-3.1	3474 De Forest Circle Jurupa Valley, CA 91752	221310	SIU	403.5(d)	-	2	5	3		
Metal Container Corporation	JCSD	Direct	D1056-2.1	10980 Inland Avenue Jurupa Valley, CA 91752	332431	CIU	465.45(d)	-	2	20	12		
Mission Linen Supply	IEUA	Direct	D1057-3.1	5400 Alton Street Chino, CA 91710	812332	SIU	403.5(d)	-	2	20	22		
Mountainview Generating Station	VALLEY	Direct	D1058-1.2	2492 W. San Bernardino Ave. Redlands, CA 92374	221112	CIU	423.17	-	2	16	13		
OLS Energy - Chino	IEUA	Direct	D1059-2.2	5601 Eucalyptus Avenue Chino, CA 91708	221112	CIU	423.17	-	2	22	22		

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	Comment
Rayne Water Conditioning	SBMWD	Indirect	I1066-2.1	939 W. Reece Street San Bernadino, CA 92411	561990	SIU	403.5(d)	-	1	2	3		
Repet, Inc.	IEUA	Direct	D1069-3.1	14207 Monte Vista Avenue Chino, CA 91710	423930	SIU	403.5(d)	-	2	16	16		
SBMWD Collection Station	SAWPA	Direct	D1076-3.1	399 Chandler Place San Bernardino, CA 92408	221310	SIU	403.5(d)	-	2	4	2		
SBMWD Water Reclamation Plant	SAWPA	Direct - Emergency	E1075-2.2	399 Chandler Place San Bernardino, CA 92408	221320	SIU	403.5(d)	-	1	0	0		
ShawCor Pipe Protection, LLC	IEUA	Indirect	I1077-2.1	14000 San Bernardino Ave. Fontana, CA 92335	332812	CIU	433.17	N	2	11	28	pH (local)	
Stringfellow Pretreatment Facility	SAWPA	Direct	D1079-3	3400 Pyrite Street Jurupa Valley, CA 92509	562910	SIU	403.5(d)	-	2	41	183		
Temescal Desalter	WMWD	Direct	D1012-3	755 Public Safety Way Corona, CA 92880	221310	SIU	403.5(d)	-	2	6	3		
WMWD Arlington Desalter	SAWPA	Direct	D1088-3.1	11611 Sterling Avenue Riverside, CA 92503	221310	SIU	403.5(d)	-	2	6	2		
WMWD Collection Station	SAWPA	Direct	D1087-3.1	2205 Railroad Street Corona, CA 92880	221320	SIU	403.5(d)	-	2	0	0		
WRCRWA South Regional Pumping Station	SAWPA	Direct - Emergency	E1089-2.1	671 N. Lincoln Avenue Corona, CA 92883	221310	SIU	403.5(d)	-	1	0	0		
YVWD Henry Wochholz Regional Water Recycling Facility	SAWPA	Direct	D1090-2.2	880 W. County Line Lane Calimesa, CA 92320	221320	SIU	403.5(d)	-	2	4	4		