



ENCINA WASTEWATER AUTHORITY

A Public Agency

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February 28, 2017

Via CIWQS

Ref: EC 17-0060

California Regional Water Quality Control Board
San Diego Region
2375 Northside Drive, Suite 100
San Diego, CA 92108

Attention: Ms. Joann Lim

**SUBJECT: Submittal of 2016 Annual Pretreatment Program Report
Period January 1, 2016 through December 31, 2016**

Dear Joann,

Enclosed please find a copy of the Encina Wastewater Authority Annual Pretreatment Program Report for 2016. This report is submitted as required by NPDES Permit Number CA0107395.

Please contact Doug Campbell, Director of Environmental Compliance, at (760) 438-3941, ext. 3600, if you have any questions.

Sincerely,

Mike Steinlicht
General Manager

Attachment

cc: Amelia Whitson, EPA Region IX
Russell Norman, State Water Resources Control Board
Gary Erbeck, San Diego County Department of Environmental Health



ENCINA WASTEWATER AUTHORITY

2016 ANNUAL PRETREATMENT PROGRAM REPORT

NPDES PERMIT HOLDER AND
SEWER AUTHORITY NAME: Encina Wastewater Authority

REPORT DATE: February 28, 2017

PERIOD COVERED BY THIS REPORT: January 1 – December 31, 2016

NAME OF POTW: Encina Water Pollution
Control Facility

NPDES PERMIT NUMBER: CA0107395

**PERSON TO CONTACT CONCERNING INFORMATION CONTAINED IN THIS
REPORT:**

Doug Campbell
Director of Environmental Compliance
Encina Wastewater Authority
6200 Avenida Encinas
Carlsbad, CA 92011-1095
Telephone: (760) 438-3941, ext. 3600

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.



Mike Steinlicht
General Manager

Dated: 2/28/2017



Encina Wastewater Authority Annual Pretreatment Program Report

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Program Summary

The Encina Wastewater Authority (EWA) operates an approved pretreatment program in North San Diego County. EWA is a joint powers authority consisting of six member agencies: the Cities of Vista, Carlsbad and Encinitas, as well as the Vallecitos Water District, the Buena Sanitation District and the Leucadia Wastewater District. The Encina System is comprised of the collection, treatment and disposal facilities of its member agencies including: the Encina Water Pollution Control Facility, the Gafner Water Reclamation Facility, the Meadowlark Water Reclamation Facility, the Carlsbad Water Recycling Facility and the Encina Ocean Outfall.

The EWA service area encompasses a population of approximately 380,000 and covers a 125 square mile area. This area is predominantly characterized by residential development. At the end of 2016, the combined industrial flow to the EWPCF and MWRF (0.203 MGD) represented only 0.84% of the total average daily influent to both treatment plants (24.11 MGD). It is anticipated that the percentage of industrial flows will remain low due to continued residential growth in the service area.

During 2016, there were no incidents of upset or pass-through at EWA attributed to industrial users. All monitoring of the Encina Ocean Outfall and receiving water demonstrated compliance with regulatory standards.

At the end of 2016, EWA had 61 permitted Industrial Users (IUs): 19 Categorical Industrial Users (CIUs), 4 Non-categorical Significant Industrial Users (SIUs) and 38 Class III Industrial Users (Non-Significant CIUs, zero-discharge CIUs and other businesses with the potential to impact the Encina System). EWA staff conducted 29 inspections and collected 114 samples in the CIU/SIU categories. Additional inspections and sampling of Class III IUs were also conducted. Laboratory data confirm that the Best Management Practices (BMP) Program implemented during 1999 and 2000 has been effective overall in reducing the level of pollutants discharged to the Encina System.

EWA maintains a proactive enforcement stance. During 2016, 34 Notices of Violation (NOVs) were issued and \$5,000.00 in fines and enforcement costs were assessed. One of the 24 CIU/SIUs in the service area during the year was found to be in Significant Non-Compliance (SNC). The industry was in SNC based on a single monthly average violation and has since reestablished compliance. No other industries were identified as being in SNC during the calendar year.

Local Limit Studies for the Encina Water Pollution Control Facility (EWPCF) and Meadowlark Water Reclamation Facility (MWRF) were completed in December 2009; final approval was received from the San Diego Regional Water Quality Control Board (RWQCB) on March 14, 2012. EWA's Pretreatment Ordinance was amended to reflect the new technically-based local limits, including other recommended changes. EWA expects to conduct our next domestic sewage study in 2017 and then submit our local

limits evaluations in Fiscal Year 2018, following our anticipated NPDES permit renewal in 2017.

Summary of Analytical Results

Data required in this section has been reported electronically to the California RWQCB through the California Integrated Water Quality System (CIWQS). Please refer to the Encina Water Pollution Control Facility and Ocean Outfall 2016 monthly, quarterly, and semiannual self-monitoring reports for Order No. R9-2011-0019, NPDES Permit No. CA0107395. Full priority pollutant scans of the influent and effluent for the EWPCF and MWRP are attached in Appendix A.

Upset, Interference or Pass-through Incidents

There were no incidents of upset, interference or pass-through at EWA, attributed to industrial users.

All regularly scheduled monitoring at the ocean outfall demonstrated that EWA's effluent quality remains consistent and meets or exceeds regulatory standards. Receiving water monitoring during 2016 also met compliance standards.

Industrial Users

At the end of 2016, EWA had 61 permitted IUs: 19 Categorical Industrial Users (CIUs), 4 Non-categorical Significant Industrial Users (SIUs) and 38 Class III Industrial Users (Non-Significant CIUs, zero-discharge CIUs and other businesses with the potential to impact the Encina System). The industrial contribution to EWA from CIUs/SIUs (0.203 MGD) as a percentage of the average daily influent (24.11 MGD) is only 0.84%. It is anticipated that the percentage of industrial flows will remain low due to continued residential growth in the service area.

Appendix B contains a list of all SIUs along with: federal category, if applicable; type of pretreatment in place; the number of inspections conducted; the number of samples collected by EWA; the number of samples collected by the IU; the number of limit violations; the IU's compliance status by quarter; whether all Total Toxic Organics (TTO) certifications or monitoring data were submitted; and a summary of any enforcement actions taken. Below is a list of additions, changes of status and deletions that occurred during the year.

Additions

- SeaSpine, Inc. – Carlsbad, California - A new Class I permit was issued to this facility in June, which is subject to 40 CFR Part 433 PSNS.
- Versum Materials US, LLC. – Carlsbad, California – This business, which is subject to 40 CFR Part 433 PSNS, underwent an ownership from Air Products and Chemicals, Inc. to Versum Materials US, LLC. A new Class I permit was issued in November.

Changes of Status

- No status changes in 2016.

Deletions

- Air Products and Chemicals, Inc. - Carlsbad, California – This business, which was subject to 40 CFR Part 433 PSNS, underwent an ownership from Air Products and Chemicals, Inc. to Versum Materials US, LLC. Their Class I permit was rescinded in November.

Appendix C contains a list of industries that EWA has designated as Non-Significant Categorical Industrial Users (NSCIUs) based on their limited ability to impact the Encina System (discharge less than 100 gallons per day, never discharge concentrated wastestreams, and have demonstrated compliance with applicable discharge limits.) EWA continues to perform annual inspections of these businesses and each industry must submit semiannual certification statements that they continue to meet the NSCIU criteria.

Baseline Monitoring Report Requirements

SeaSpine, Inc. was issued a Class I permit in June for their facility in Carlsbad. They manufacture orthopedic implants and surgical tools and are subject to 40 CFR Part 433. They previously had a Class I permit in EWA's service area; thus, no baseline monitoring was required. Baseline monitoring and subsequent sampling events of the same operations in Vista had demonstrated compliance with Metal Finishing Pretreatment Standards and EWA local limits.

Versum Materials US, LLC. was issued a Class I permit in November. They purify, package, and research high purity chemicals and are subject to 40 CFR 433. This was a name and ownership change only; thus, no baseline monitoring was required. Baseline monitoring and subsequent sampling events under the previous ownership had demonstrated compliance with Metal Finishing Pretreatment Standards and EWA local limits.

No Baseline Monitoring Reports submitted in 2016.

Enforcement Activities

EWA maintains a proactive enforcement stance. During 2016, 34 Notices of Violation (NOVs) were issued and \$5,000.00 in fines and enforcement costs were assessed. Administrative Orders are not an approved element of EWA's Enforcement Response Plan.

Of the 24 SIUs in the service area during the year, one was found to be in SNC. This industry is discussed below.

Primarch Manufacturing, Inc. had one violation of the federal monthly average limit for acetone and one violation of the local limit for pH. NOV's issued and \$200.00 in fines assessed. Industry was in SNC at the end of the first and second quarters for acetone. Industry attributes the acetone violation to the use of excessive amounts of IPA during the cleaning process. IPA enters the wastestream during cleaning and then degrades into acetone in the clarifier. To resolve the issue, Industry now applies IPA with rags instead of spraying the material directly on the equipment. The clarifier was cleaned on 5/4/2016. Industry was not able to identify the exact source of the pH violation, but attributes it to either excess IPA, which has a pH of approximately 5.5, or excess supplement powder in the wastewater from cleaning activities. Industry notes that their supplements all have milk proteins, which are highly acidic when oxidized. To prevent future pH violations, industry will conduct additional training for production staff on preventing IPA and excess production materials from entering the sewer. Additionally, they will start neutralizing their wastewater with sodium hypochlorite. Industry submitted their neutralization SOP along with pH monitoring and calibration SOP's and logs on 12/6/2016.

Pollution Prevention Plans

No industries have submitted or been required to submit a pollution prevention plan.

Best Management Practices Program

In addition to the regulation of SIUs, EWA has attempted to reduce the level of pollutants entering the system through the implementation of a BMP Program. The program began in 1999 with staff development of a wide variety of BMPs for non-significant industrial users. A preliminary file review was performed on each user to determine eligibility to participate in the program. This was followed by an inspection, sampling event and interview to identify applicable pollution prevention strategies.

Users who demonstrated a willingness to participate in the program agreed to implement a variety of actions directed at reducing the level of pollutants in their discharge. Follow-up sampling and inspections are used to verify program effectiveness.

EWA influent data indicates that the BMP Program has been effective in reducing the level of pollutants discharged to the sewer system. Implementation of the program resulted in a reduction in the number of Class III Permits from 304 at the beginning of 1999 to 35 at the end of 2000. Few changes to user classifications have occurred in recent years; however, new non-significant industrial users are encouraged to participate in the program. EWA currently has 534 businesses in the BMP program.

Significant Changes in Pretreatment Program Operation

On March 14, 2012, the San Diego Regional Water Quality Control Board (RWQCB) adopted an amendment to Order No. R9-2011-0019 incorporating new technically-based local limits into EWA's National Pollution Discharge Elimination System permit. Significant changes include: the addition of local limits for arsenic, mercury, molybdenum, and selenium; relaxed local limits for cadmium, copper, lead, nickel, zinc, and pH; and for industries located in the Meadowlark Water Reclamation Facility service area, additional local limits for boron, iron, and manganese, plus more stringent local limits for biochemical oxygen demand and total suspended solids.

Furthermore, to help improve industrial user compliance rates, EWA has: increased the minimum self-monitoring frequency for SIUs from semiannually to quarterly; and revised the sample type from grab to composite for certain constituents (e.g. oil and grease, cyanide and organics) where applicable. To incorporate these changes, EWA rescinded and reissued all Class I/II SIU permits. This was completed by July 2012. EWA completed the process of rescinding and reissuing all Class III permits in 2013.

Summary of Annual Pretreatment Budget

In FY 2017, EWA's Pretreatment Program budget totaled \$741,870. (The amount budgeted may vary slightly from actual expenditures.) This reflects approximately a 1% increase from the amount budgeted during FY 2016. The number of staff members remained unchanged. A line item detail of the budget is attached for reference in Appendix D.

Public Education

The EWPCF has been designed to maximize the use of alternative and renewable resources, including methane gas and biosolids, plus generate effluent for recycled wastewater operations. The facility regularly hosts tours for grade school, middle school, high school, and college students.

EWA also participates in other community outreach activities. In 2016, EWA staff utilized its wastewater treatment plant model for hosting booths at the City of Carlsbad's

Citizen's Academy and Public Works Fairs (spring and fall), the Encinitas Environmental Day, World Water Day at the Agua Hedionda Discovery Center, Alta Vista Gardens Earth Day, and the City of Vista Inter-Department Learning Session and Vista Magnet Middle School city services open house. In addition, copies of the brochure entitled "10 Simple Things You Can Do to Protect the Ocean" were provided to various organizations and private citizens as requested, plus EWA publishes several newsletters a year and maintains multiple social media outlets.

40 CFR Part 403.8(f)(2)(viii) requires at least annual public notification, in the largest daily newspaper in the POTW's service area, of industrial users, which at any time during the previous twelve months, were found in significant non-compliance. Attached in Appendix E is a copy of the SNC publication for the period of January 1 to December 31, 2016.

Biosolids Disposal Methods

In 2016, EWA produced approximately 5,841.21 Dry Metric Tons (DMT) of Class A and Class B biosolids. Approximately 2,574.29 DMT of this material was transported by Solid Solutions/Terra Renewal to farms in Yuma, Arizona for land application. While Ag Tech, LLC hauled approximately 2,339.71 DMT of Class A and Class B biosolids to farms in Yuma and Somerton, Arizona. In addition, Ag Tech, LLC hauled over 450 tons, which were sold/and or given away for use in the following applications: golf courses, nurseries, High School FFA Organizations, soil blenders and fertilizer products.

Laboratory data demonstrates that metal levels in the biosolids are well below the allowable pollutant concentrations for land application as found in Table 3 of 40 CFR Part 503.13. The ability to consistently meet these standards is largely due to EWA's small industrial base and effective Pretreatment Program.

Appendix A

Priority Pollutant Laboratory Data

Appendix B

Significant Industrial User Listing

**ANNUAL PRETREATMENT PROGRAM REPORT
01/01/2016 - 12/31/2016**

Encina Wastewater Authority	Reporting Quarters	Number of Inspections	Agency Monitoring	Self-Monitoring	Limit Violations	Reporting Quarter Status	Flow Rate (GPD)
AIR PRODUCTS AND CHEMICALS, INC.	1	1	1	1		C	
1969 Palomar Oaks Way	2		1	1		C	
Carlsbad, CA 92011	3		1	1		C	
40 CFR Part 433 PSNS	4		1	1		C	
Pretreatment: pH neutralization							2,100
Ownership change. Permit #2387 issued to Versum Materials US, LLC on November 17, 2016. Required TTO certifications submitted.							
ALPHATEC SPINE, INC.	1		1	1		C	
5818 El Camino Real	2	1	1	1		C	
Carlsbad, CA 92011	3	1	1	1		C	
40 CFR Part 433 PSNS	4		1	1		C	
Pretreatment: pH neutralization, evaporation, hauling							110
Required TTO certifications submitted.							
CARLSBAD TECHNOLOGY, INC.	1	1	2	2		C	
5923 Balfour Court	2		2	2		C	
Carlsbad, CA 92008	3		2	2		C	
40 CFR Part 439, Subpart D PSNS	4		2	2		C	
Pretreatment: pH neutralization							1,050

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01/01/2016 - 12/31/2016**

Encina Wastewater Authority	Reporting Quarters	Number of Inspections	Agency Monitoring	Self-Monitoring	Limit Violations	Reporting Quarter Status	Flow Rate (GPD)
CINTAS CORPORATION	1		1	1	1	NC	
460 West California Avenue	2	1	1	2	1	NC	
Vista, CA 92084	3		2	2		NC	
Industrial Laundry - Local Limits	4		1	1		C	
Pretreatment: settling, dissolved air flotation							47,000
<p>Two violations of the local limit for BOD. NOV's issued and \$450.00 in fines assessed. Industry attributes the 3/4/2016 violation to an underperforming recirculation pump on the DAF unit, which was rebuilt in response to the violation. The 5/20/2016 violation was also attributed to an underperforming recirculation pump on the DAF unit. Industry again rebuilt the pump with new impeller and seals, but additionally disassembled all the associated piping and valves, so they could be cleaned and descaled.</p>							
GE OSMONICS, INC.	1		1	1		C	
760 Shadowridge Drive	2	1	1	1		C	
Vista, CA 92083	3		1	1		C	
Manufacture of water purification equip – Local Limits	4		1	1		C	
Pretreatment: hauling, flow equalization							25,000
GLANBIA NUTRITIONALS (NA), INC.	1		1	1		C	
2840 Loker Avenue East, Suite #101	2		1	1		C	
Carlsbad, CA 92010	3		1	1		C	
40 CFR Part 439, Subpart D PSNS	4	1	1	1		C	
Pretreatment: pH neutralization, settling/clarifier							600

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01/01/2016 - 12/31/2016**

Encina Wastewater Authority	Reporting Quarters	Number of Inspections	Agency Monitoring	Self-Monitoring	Limit Violations	Reporting Quarter Status	Flow Rate (GPD)
HOLLANDIA DAIRY, INC.	1		1	1		C	
622 East Mission Road	2	2	1	1		C	
San Marcos, CA 92069	3		1	1		C	
Dairy & Creamery - Local Limits	4		1	1		C	
PT: flow equalization, pH neutralization, MBBRs, DAF							35,000
HRE PERFORMANCE WHEELS	1		1	2		C	
2611 Commerce Way, Suite D	2		1	1		C	
Vista, CA 92081	3	1	1	1		C	
40 CFR Part 433 PSNS	4		1	1		C	
Pretreatment: hauling, recycling							60
Required TTO certifications submitted.							
HUGHES CIRCUITS, INC.	1	1	2	3		NC	
540 South Pacific Street	2		2	2		C	
San Marcos, CA 92078	3		1	2		C	
40 CFR Part 433 PSNS	4	1	2	2		C	
Pretreatment: pH adjustment, precipitation & settling							9,200
Required TTO certifications submitted.							

**ANNUAL PRETREATMENT PROGRAM REPORT
01/01/2016 - 12/31/2016**

Encina Wastewater Authority	Reporting Quarters	Number of Inspections	Agency Monitoring	Self-Monitoring	Limit Violations	Reporting Quarter Status	Flow Rate (GPD)
IONIS PHARMACEUTICALS	1					C	
2282 Faraday Avenue	2					C	
Carlsbad, CA 92008	3	1				C	
40 CFR Part 439, Subpart C PSNS	4					C	
Pretreatment: hauling							0
Industry underwent a name change from Isis Pharmaceuticals to Ionis Pharmaceuticals. Permit amended to reflect the change on September 30, 2016. Pharmaceutical manufacturing currently being performed off-site. No discharge of federally regulated wastewater to-date.							
J&D LABORATORIES, INC.	1		1	1	2	NC	
2710 Progress Street	2		1	2		NC	
Vista, CA 92081	3	1	1	1		C	
40 CFR Part 439, Subpart D PSNS	4		1	1		C	
PT: pH neutralization, settling/clarifier, oil skimmer							6,500
One violation of the local limit for copper and one violation of the local limit for zinc. NOV issued and \$350.00 in fines assessed. Industry attributes the violations to waste product entering the sewer during cleaning operations. To correct the problem, industry retrained staff on cleaning procedures reinforcing dry cleaning of all utensils, work areas, and blenders to ensure that the least amount of product is introduced into the waste stream.							
MELLES GRIOT	1		3	3		C	
2051 Palomar Airport Road, Suite #200	2	1	3	3		C	
Carlsbad, CA 92011	3		3	3		C	
40 CFR Part 433 PSNS	4		3	3		C	
Pretreatment: pH neutralization, hauling							900
Required TTO certifications submitted.							

**ANNUAL PRETREATMENT PROGRAM REPORT
01/01/2016 - 12/31/2016**

Encina Wastewater Authority	Reporting Quarters	Number of Inspections	Agency Monitoring	Self-Monitoring	Limit Violations	Reporting Quarter Status	Flow Rate (GPD)
METAL ETCH SERVICES	1		1	1		C	
1165 Linda Vista Drive, Suite #106	2		1	1		C	
San Marcos, CA 92078	3		1	1		C	
40 CFR Part 433 PSNS	4	1	2	1		C	
Pretreatment: pH neutralization, hauling							360
Required TTO certifications submitted.							
NATEL	1		1	1		C	
6350 Palomar Oaks Court	2	1	1	1		C	
Carlsbad, CA 92011	3		1	1		C	
40 CFR Part 433 PSNS	4		1	1		C	
Pretreatment: hauling							1,700
Required TTO certifications submitted.							
NATURAL ALTERNATIVES INTERNATIONAL	1		2	3		C	
1215 Park Center Drive	2	1	2	2		C	
Vista, CA 92081	3		3	2		C	
40 CFR Part 439, Subpart D PSNS	4		2	2		C	
Pretreatment: settling/clarifier							2,860

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01/01/2016 - 12/31/2016**

Encina Wastewater Authority	Reporting Quarters	Number of Inspections	Agency Monitoring	Self-Monitoring	Limit Violations	Reporting Quarter Status	Flow Rate (GPD)
NUTRITIONAL ENGINEERING, INC.	1		1	2		C	
1208 Avenida Chelsea	2		1	1		C	
Vista, CA 92081	3	1	1	1		C	
40 CFR Part 439, Subpart D PSNS	4		1	3		C	
Pretreatment: hauling & pH neutralization							75
PRIMARCH MANUFACTURING, INC.	1		1	2	1	SNC	
1211 Liberty Way, Suite A	2	1	1	2		SNC	
Vista, CA 92083	3		1	2	1	NC	
40 CFR Part 439, Subpart D PSNS	4		2	2		NC	
Pretreatment: settling/clarifier, oil & grease removal							100
One violation of the federal monthly average limit for acetone and one violation of the local limit for pH. NOV's issued and \$200.00 in fines assessed. See Enforcement Activities section of the Annual Pretreatment Report for additional details.							
PRUDENTIAL OVERALL SUPPLY	1		1	1		NC	
2485 Ash Street	2		1	1		C	
Vista, CA 92081	3		1	1		C	
Industrial Laundry - Local Limits	4	1	1	1		C	
PT: flow equalization, pH neutralization, settling, DAF							63,000

**ANNUAL PRETREATMENT PROGRAM REPORT
01/01/2016 - 12/31/2016**

Encina Wastewater Authority	Reporting Quarters	Number of Inspections	Agency Monitoring	Self-Monitoring	Limit Violations	Reporting Quarter Status	Flow Rate (GPD)
SEASPINE, INC.	1		2	2		C	
2302 La Mirada Drive	2	1	2	2		C	
Vista, CA 92081	3	1	1	1		C	
40 CFR Part 433 PSNS	4	1	2	1		C	
Pretreatment: hauling, neutralization							730
During the second quarter of 2016, industry relocated their operations from the 2384 La Mirada Drive building in Vista to their new facility located at 5770 Armada Drive in Carlsbad. As a result, Sample Point #2 was inactivated. The 2302 La Mirada Drive building was relocated to the Carlsbad site in January 2017.							
SEASPINE, INC.	1						
5770 Armada Drive	2	1		1		C	
Carlsbad, CA 92008	3			1		C	
40 CFR Part 433 PSNS	4	1	2	1		C	
Pretreatment: hauling							250
New facility. Initial permit (#2384) issued to SeaSpine, Inc. on June 13, 2016.							
SELECT SUPPLEMENTS, INC.	1		1	1		C	
5800 Newton Drive	2	1	1	1		C	
Carlsbad, CA 92008	3		1	1	1	NC	
40 CFR Part 439, Subpart D PSNS	4		1	2		NC	
Pretreatment: settling/clarifier							2,718
One violation of the local limit for O&G. NOV issued and \$200.00 in fines assessed. Industry reports that they were unable to find a specific cause for the O&G violation. Industry notes the only potential cause could be a build-up of O&G in the clarifier. As a precautionary measure, Select Supplements cleaned their clarifier and now contracts with a service to clean the unit on a quarterly basis.							

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01/01/2016 - 12/31/2016**

Encina Wastewater Authority	Reporting Quarters	Number of Inspections	Agency Monitoring	Self-Monitoring	Limit Violations	Reporting Quarter Status	Flow Rate (GPD)
SELECT SUPPLEMENTS, INC.	1		2	2	1	NC	
2390 Oak Ridge Way	2		2	2		NC	
Vista, CA 92081	3	1	1	3		C	
40 CFR Part 439, Subpart D PSNS	4		1	1		C	
Pretreatment: settling/clarifier							1,400
One violation of the local limit for pH. NOV issued and \$350.00 in fines assessed. Industry attributes the low pH violation to a concentration of acidic wastes that were accumulated in the upper layer of wastewater in the clarifier. To address the problem, the industry cleaned the clarifier on 3/31/2016 and modified how the wastewater moves through the clarifier to better isolate the solids in the first two chambers.							
VERSUM MATERIALS US, LLC.	1						
1969 Palomar Oaks Way	2						
Carlsbad, CA 92011	3						
40 CFR Part 433 PSNS	4					C	
Pretreatment: pH neutralization							2,100
Ownership change from Air Products and Chemicals, Inc. to Versum Materials US, LLC. New permit issued on November 17, 2016. Note: All inspections, monitoring, and reporting for CY 2016 were completed under Air Products and Chemicals, Inc. ownership.							
VISTA INDUSTRIAL PRODUCTS, INC.	1		1	1		C	
1395 Park Center Drive	2		1	1		C	
Vista, CA 92081	3		1	1		C	
40 CFR Part 433 PSNS	4	1	1	1		C	
PT: Cr reduction, precip & settling, pH neutralization							2,600
Required TTO certifications submitted.							

Appendix C

Non-Significant Categorical Industrial User Listing

Non-Significant Categorical Industrial Users (NSCIUs)

Anything Liquid Manufacturing, Inc.
2080 Las Palmas Drive, Suite 103
Carlsbad, CA 92011
Category – 40 CFR Part 439

Global Health Trax
2465 Ash Street
Vista, CA 92081
Category – 40 CFR Part 439

Gematria Products, Inc.
2260 Rutherford Road, Suite 101
Carlsbad, CA 92008
Category – 40 CFR Part 439

Piercan USA, Inc.
180 Bosstick Boulevard
San Marcos, CA 92069
Category – 40 CFR Part 428

Sabre Sciences
2233 Faraday, Suite K
Carlsbad, CA 92008
Category – 40 CFR Part 439

SenDX Medical
1945 Palomar Oaks Way
Carlsbad, CA 92011
Category – 40 CFR Part 433

Seven Manufacturing
1420 Decision Street, Suite C
Vista, CA 92081
Category – 40 CFR Part 439

Appendix D

Pretreatment Program Budget

OPERATING EXPENSE SUMMARY: SOURCE CONTROL

PERSONNEL

	Actual FY2015	Budget FY2016	Projected FY2016	Recommended FY2017	% Change
5100 Salaries	\$ 322,526	\$ 346,557	\$ 339,065	\$ 341,971	-1%
5200 Benefits	\$ 113,963	\$ 156,921	\$ 136,496	\$ 141,281	-10%
Total Personnel Expenses	\$ 436,489	\$ 503,478	\$ 475,561	\$ 483,252	-4%

NON-PERSONNEL

	Actual FY2015	Budget FY2016	Projected FY2016	Recommended FY2017	% Change
40001 5520 Books	\$ -	\$ 250	\$ 250	\$ 250	0%
40001 5930 Equipment Replacement	\$ 4,671	\$ 4,600	\$ 4,700	\$ 600	-87%
40001 6120 Fuel & Lube	\$ 1,664	\$ 2,250	\$ 1,500	\$ 1,725	-23%
40001 6310 Lab Equipment Repair	\$ 3,217	\$ 4,925	\$ 4,650	\$ 4,925	0%
40001 6410 Laundry & Uniforms	\$ 1,019	\$ 1,560	\$ 1,400	\$ 1,560	0%
40001 6422 Legal Notices	\$ 702	\$ 750	\$ 750	\$ 750	0%
40001 6450 Professional Services	\$ -	\$ -	\$ -	\$ 75,000	100%
40001 7120 Printing & Reproduction	\$ 373	\$ 500	\$ 500	\$ 500	0%
40001 7130 Public Information	\$ 2,205	\$ 4,000	\$ 1,500	\$ 3,000	-25%
Total Non-Personnel Expenses	\$ 13,851	\$ 18,835	\$ 15,250	\$ 88,310	369%

INTERNAL SERVICE FUNDS

	Actual FY2015	Budget FY2016	Projected FY2016	Recommended FY2017	% Change
11001 Administration	\$ 70,758	\$ 97,717	\$ 89,698	\$ 95,409	-2%
12001 Laboratory	\$ 65,171	\$ 117,041	\$ 71,033	\$ 72,825	-38%
13001 Energy Management	\$ 1,711	\$ -	\$ 2,120	\$ 2,074	100%
Total Internal Service Fund Expenses	\$ 137,640	\$ 214,758	\$ 162,851	\$ 170,308	-21%
Total Operating Expenses	\$ 587,980	\$ 737,071	\$ 653,662	\$ 741,870	1%

PERSONNEL EXPENSE SUMMARY by PROGRAM

Programs

	2016 Budget	2016 Budget	2017 Budget	2017 Budget	% Change
Encina Water Pollution Control Facility	\$ 4,184,030	34.11	4,499,068	30.74	7.5%
Source Control	\$ 503,478	4.35	483,252	3.35	-4.0%
<i>Agua Hedionda Pump Station</i>	\$ 146,190	1.07	159,078	1.07	8.8%
<i>Buena Vista Pump Station</i>	\$ 144,910	1.06	157,398	1.06	8.6%
<i>Buena Creek Pump Station</i>	\$ 149,999	1.11	163,324	1.11	8.9%
<i>Carlsbad Water Reclamation Facilities</i>	\$ 429,141	3.33	480,849	3.36	12.0%
<i>Raceway Basin Pump Station</i>	\$ 111,115	0.83	121,078	0.83	9.0%
Remote Facilities	\$ 981,354	7.38	\$ 1,081,727	7.42	10.2%
Subtotal	\$ 5,668,862	45.84	\$ 6,064,047	41.51	7.0%
Internal Service Funds	\$ 2,221,499	15.23	\$ 2,180,278	13.53	-1.9%
Subtotal Operating	\$ 7,890,361	61.07	\$ 8,244,325	55.04	4.5%
Capital Program	\$ 2,049,098	12.93	\$ 2,322,497	12.96	13.3%
Total Personnel Expense	\$ 9,939,460	74.00	\$ 10,566,822	68.00	6.3%

PERSONNEL EXPENSE *by* ACCOUNT**Salaries**

	2016 Budget	% of Total	2017 Budget	% of Total	% Change
Regular	\$ 6,329,811		\$ 6,445,092		1.8%
Performance Pay	\$ -		\$ 232,466		100.0%
Overtime	\$ 110,000		\$ 130,000		18.2%
Holiday	\$ 89,050		\$ 110,295		23.9%
Temporary & Part-Time Staff	\$ 51,948		\$ 200,000		285.0%
Intern Program	\$ 29,757		\$ 29,757		0.0%
Shift Differential	\$ 48,762		\$ 44,000		-9.8%
Incentive Awards	\$ 12,000		\$ 14,000		16.7%
Standby	\$ 9,809		\$ 9,809		0.0%
Subtotal Salaries	\$ 6,681,137	67.4%	\$ 7,215,418	68.3%	8.0%

Benefits

	2016 Budget	% of Total	2017 Budget	% of Total	% Change
CAL PERS Retirement Program	\$ 2,045,107		\$ 2,222,817		8.7%
CAL PERS Employee Contribution	\$ (517,410)		\$ (537,090)		3.8%
Other Post-Employment Benefits	\$ 63,284		\$ 36,000		-43.1%
Flexible Benefits 125 Plan	\$ 1,103,005		\$ 1,064,489		-3.5%
Employee Benefit Contribution	\$ (22,100)		\$ -		-100.0%
Deferred Compensation	\$ 243,799		\$ 255,151		4.7%
Medicare	\$ 97,404		\$ 108,822		11.7%
Unemployment	\$ 29,993		\$ 29,993		0.0%
Workers Compensation Insurance	\$ 170,808		\$ 133,989		-21.6%
Professional Certification	\$ 11,870		\$ 11,870		0.0%
Employee Assistance Program	\$ 1,917		\$ 1,917		0.0%
General Manager Benefits	\$ 14,400		\$ 7,200		-50.0%
Education Assistance	\$ 16,246		\$ 16,246		0.0%
Subtotal Benefits	\$ 3,258,323	32.6%	\$ 3,351,404	31.7%	2.9%
Total Personnel Expense	\$ 9,939,460	100.0%	\$ 10,566,822	100.0%	6.3%

Appendix E
SNC Publication

PUBLIC NOTICE

INDUSTRIAL USERS IN SIGNIFICANT NON-COMPLIANCE WITH SEWER DISCHARGE REQUIREMENTS

For the period from January 1, 2016 through December 31, 2016, the following INDUSTRIAL USERS, located in the Encina Wastewater Authority service area, were found to be in Significant Non-Compliance for exceeding applicable discharge limits or failing to meet reporting requirements, based on statistical criteria established by EPA and set forth at 40 CFR Part 403.8(f)(2)(viii). For further information please contact Doug Campbell, Encina Wastewater Authority Director of Environmental Compliance at (760) 438-3941, extension 3600.

Industry	Address	Pollutant/Other
Primarch Manufacturing, Inc.	1211 Liberty Way, Suite A Vista, CA 92083	Acetone