



ENCINA WASTEWATER AUTHORITY

A Public Agency

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February 29, 2016

Via CIWQS

Ref: EC 16-0063

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 2015 Annual Pretreatment Program Report
Period January 1, 2015 through December 31, 2015**

Dear Joann,

Enclosed please find a copy of the Encina Wastewater Authority Annual Pretreatment Program Report for 2015. 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

2015 ANNUAL PRETREATMENT PROGRAM REPORT

NPDES PERMIT HOLDER AND
SEWER AUTHORITY NAME: Encina Wastewater Authority

REPORT DATE: February 29, 2016

PERIOD COVERED BY THIS REPORT: January 1 – December 31, 2015

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: 3/1/2016



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 Shadowridge Water Reclamation Facility (currently non-operational), 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 411,300 and covers a 125 square mile area. This area is predominantly characterized by residential development. At the end of 2015, 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 (24.055 MGD). It is anticipated that the percentage of industrial flows will remain low due to continued residential growth in the service area.

During 2015, 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 2015, EWA had 59 permitted Industrial Users (IUs): 18 Categorical Industrial Users (CIUs), 4 Non-categorical Significant Industrial Users (SIUs) and 37 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 117 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 2015, 45 Notices of Violation (NOVs) were issued and \$9,150.00 in fines and enforcement costs were assessed. Four of the 25 CIU/SIUs in the service area during the year were found to be in Significant Non-Compliance (SNC). One of the industries was in SNC for discharging without a permit; the facility is currently zero discharge, but they are actively pursuing a Class I discharge permit. Two of the industries have identified problems and have either implemented engineering controls or taken other corrective actions prevent future violations. The final industry in SNC has since removed their core metal finishing operation and has been reclassified as a Class III facility regulated under local limits.

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 Fiscal Year 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 2014 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 2015 also met compliance standards.

Industrial Users

At the end of 2015, EWA had 59 permitted IUs: 18 Categorical Industrial Users (CIUs), 4 Non-categorical Significant Industrial Users (SIUs) and 37 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 (24.055 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

- Select Supplements, Inc. – Vista, California – A new Class I permit was issued to this facility in November, which is subject to 40 CFR Part 439, Subpart D PSNS.

Changes of Status

- Nutritional Engineering, Inc. – Vista, California – This business, which is subject to 40 CFR Part 439, Subpart D PSNS, was reclassified from a Class III Non-Significant CIU permit to a Class I permit. A new Class I permit was issued in July.
- Signet Armorlite, Inc. – Carlsbad, California – This business, which was subject to 40 CFR Parts 433 PSNS, was reclassified from a Class I permit to a Class III permit. A new Class III permit was issued in September.

Deletions

- Hues Metal Finishing, Inc. – San Marcos, California – This business, which was subject to 40 CFR Part 413, Subparts E&F PSES, ceased all operations. Their Class I Permit was rescinded in May.

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

Nutritional Engineering, Inc. was issued a Class 1 permit in July. They manufacture vitamin and mineral supplements and are subject to 40 CFR Part 439. They previously submitted a Baseline Monitoring Report in support of their NSCIU permit. Baseline monitoring and subsequent sampling events demonstrated compliance with Pharmaceutical Manufacturing Pretreatment Standards and EWA local limits.

Select Supplements, Inc. was issued a Class 1 permit in November. They manufacture dietary supplements and are subject to 40 CFR Part 439. Baseline monitoring demonstrated compliance with Pharmaceutical Manufacturing Pretreatment Standards and EWA local limits, but initial EWA monitoring identified a violation of the local limit for pH. Findings of the investigation and resample are pending.

No Baseline Monitoring Reports submitted in 2014.

Enforcement Activities

EWA maintains a proactive enforcement stance. During 2015, 45 Notices of Violation (NOVs) were issued and \$9,150.00 in fines and enforcement costs were assessed. Administrative Orders are not an approved element of EWA's Enforcement Response Plan.

Of the 25 SIUs in the service area during the year, four were found to be in SNC. These industries are discussed below.

Bachem Americas, Inc., which is subject to 40 CFR Part 439.37, was found discharging without a permit. A Cease and Desist Order was issued on December 17, 2015. The industry was designated as being in SNC for discharging without a permit. Since issuing the Cease and Desist Order, the industry has been operating as a zero discharge facility, but they are actively pursuing a Class I discharge permit. An NOV with fines will be issued in upon issuance of the industries discharge permit in 2016.

Glanbia Nutritionals (NA), Inc. had one violation of the federal monthly average limit for acetone and one violation of the local limit for zinc. NOV's issued and \$550.00 in fines assessed. Industry was in SNC at the end of the first quarter for acetone. This is a continuation of the acetone issue identified in the fourth quarter of 2014. The industries consultant believes the high acetone levels are caused by a biofilm buildup in the clarifier that promotes the formation of acetone. The clarifier has been sanitized, and subsequent monitoring events have demonstrated compliance. The industry also replaced their sanitizer with a product that has a lower percentage of isopropyl alcohol in an effort to reduce the amount of acetone byproduct generated. The zinc violation was attributed to increased production of product blends using zinc. Industry reports that their consultant has developed a new pretreatment treatment system, but nothing has been proposed at this time. Subsequent monitoring demonstrated compliance for zinc as well.

Signet Armorlite, Inc. had one violation of the federal monthly average limit for cadmium; one violation of the federal monthly average limit for lead; plus 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 third quarter based on single violations fro cadmium and lead. Industry failed to identify a cause for the cadmium and lead monthly average violations, but as a precaution the deblocking machine collection containers, which are used to settle solids, are now cleaned weekly instead of monthly. A fine screen has also been added to the drain that's plumbed to Sump #2 in order to trap any small pieces of alloy. The pH violation was attributed to staff failing to collect the first dragout rinse following the caustic bath for off-site disposal. Staff have been retrained on proper disposal. Subsequent to the violations, the industry submitted notification that they are no longer performing the core metal finishing process of etching. The industry has been reclassified from a Class I permit to a Class III permit under local regulations.

Vista Industrial Products, Inc. had two violations of the federal daily maximum and four violations of the federal monthly average limits for zinc. NOV's issued and \$1,650.00 in fines assessed. SNC at the end of the second, third, and fourth quarters for zinc at Sample Point #2. Industry attributes the zinc violations at Sample Point #2 to processing aluminum alloy parts high in zinc content through the high energy Gatorz tumbling machine. Ultimately, the settling system installed in the first quarter of the year never performed adequately. To resolve the ongoing problem, industry ceased all discharges to Sample Point #2. The high energy Gatorz tumbling machine has been plumbed to the existing recirculating closed-loop centrifuge system already in use for the primary tumbling machine. Vista Industrial Products permit will be amended to inactivate Sample Point #2. The August zinc violation at Sample Point #1 was attributed to staff not following the proper treatment procedure and inadvertently processing a batch of chrome-bearing wastewater that was contaminated with zinc-bearing wastewater. Industry notes that operators have been advised of the problem and retrained on proper treatment and maintenance procedures. Subsequent monitoring at Sample Point #1 has demonstrated compliance; all discharges to Sample Point #2 have ceased.

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 527 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. In order 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 2016, EWA's Pretreatment Program budget totaled \$737,071. (The amount budgeted may vary slightly from actual expenditures.) This reflects approximately a 4.1% increase from the amount budgeted during FY 2015, due to an ongoing effort to replace sampling equipment, plus data increased laboratory costs. 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 2015, 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, and Alta Vista Gardens Earth Day. 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 outs.

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, 2015.

Biosolids Disposal Methods

In 2015, EWA produced approximately 5,271.91 Dry Metric Tons (DMT) of Class A and Class B biosolids. 3,395.71 DMT of this material was transported by Solid Solutions to farms in Yuma, Arizona for land application. While 1,867.03 DMT of Class A biosolids, which is also registered as fertilizer in five states, were sold/and or given away for use in the following applications: golf courses, nurseries, High School FFA Organizations, soil blenders and fertilizer products. In addition 9.16 DMT of Class B biosolids were sent to the Otay Mesa Landfills.

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
01/01/2015 - 12/31/2015**

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							2,000
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		C	
40 CFR Part 433 PSNS	4		1	1		C	
Pretreatment: pH neutralization, evaporation, hauling							1,050
Required TTO certifications submitted.							
CARLSBAD TECHNOLOGY, INC.	1		1	1		C	
5923 Balfour Court	2	1	1	1		C	
Carlsbad, CA 92008	3		2	2		C	
40 CFR Part 439, Subpart D PSNS	4		2	2		C	
Pretreatment: pH neutralization							1,050

**ANNUAL PRETREATMENT PROGRAM REPORT
01/01/2015 - 12/31/2015**

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		C	
460 West California Avenue	2		1	1		C	
Vista, CA 92084	3	1	1	1		C	
Industrial Laundry - Local Limits	4		1	1		C	
Pretreatment: settling, dissolved air flotation							47,000
GE OSMONICS, INC.	1		2	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		3	1	2	SNC	
2840 Loker Avenue East, Suite #101	2		2	1		NC	
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
One violation of the federal monthly average limit for acetone and one violation of the local limit for zinc. NOV's issued and \$550.00 in fines assessed. See Enforcement Activities section of the Annual Pretreatment Report for additional details.							

**ANNUAL PRETREATMENT PROGRAM REPORT
01/01/2015 - 12/31/2015**

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		1	1		C	
San Marcos, CA 92069	3		1	1		C	
Dairy & Creamery - Local Limits	4	1	1	1		C	
PT: flow equalization, pH neutralization, MBBRs, DAF							38,000
HRE PERFORMANCE WHEELS	1		1	1		C	
2611 Commerce Way, Suite D	2		1	1		C	
Vista, CA 92081	3	1	1			C	
40 CFR Part 433 PSNS	4		1	1		C	
Pretreatment: hauling, recycling							60
Industry failed to self-monitor in the third quarter. NOV issued and makeup sample required. Required TTO certifications submitted.							
HUES METAL FINISHING, INC.	1					C	
977 Linda Vista Drive	2	1				C	
San Marcos, CA 92078	3						
40 CFR Part 413, Subparts E&F PSES	4						
Pretreatment: Cr reduction, precipitation & settling							4(350/batch)
Industry ceased all manufacturing operations on April 1, 2015 and their permit was rescinded on May 22, 2015. Industry had no discharges to sewer in CY 2015. Required TTO certifications submitted.							
RMP Metal Finishing, Inc. purchased the painting and powder coating assets and is currently operating a paint shop at the same address. No core metal finishing operations performed on-site; BMP permit pending.							

**ANNUAL PRETREATMENT PROGRAM REPORT
01/01/2015 - 12/31/2015**

Encina Wastewater Authority	Reporting Quarters	Number of Inspections	Agency Monitoring	Self-Monitoring	Limit Violations	Reporting Quarter Status	Flow Rate (GPD)
HUGHES CIRCUITS, INC.	1		1	3		C	
540 South Pacific Street	+		2	2		C	
San Marcos, CA 92078	3	1	1	3		C	
40 CFR Part 433 PSNS	4		2	2	1	NC	
Pretreatment: pH adjustment, precipitation & settling							9,200
One violation of the federal monthly average limit for cyanide. NOV issued and \$100.00 in fines assessed. Findings of the investigation and steps taken to prevent recurrence are not due until March 11, 2016. Required TTO certifications submitted.							
ISIS 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
Pharmaceutical manufacturing currently being performed off-site. No discharge of federally regulated wastewater to-date.							
J&D LABORATORIES, INC.	1		1	1		C	
2710 Progress Street	2		1	1	1	NC	
Vista, CA 92081	3	1	2	2		NC	
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 zinc. NOV issued and \$100.00 in fines assessed. Industry attributes the violation to zinc containing 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.							

**ANNUAL PRETREATMENT PROGRAM REPORT
01/01/2015 - 12/31/2015**

Encina Wastewater Authority	Reporting Quarters	Number of Inspections	Agency Monitoring	Self-Monitoring	Limit Violations	Reporting Quarter Status	Flow Rate (GPD)
MELLES GRIOT	1	1	2	2		C	
2051 Palomar Airport Road, Suite #200	2		3	3		C	
Carlsbad, CA 92011	3		3	3		C	
40 CFR Part 433 PSNS	4		3	3		C	
Pretreatment: pH neutralization, hauling							900
Industry underwent a name change from CVI Melles Griot to Melles Griot, which was incorporated into the permit renewal issued April 16, 2015. Required TTO certifications submitted.							
METAL ETCH SERVICES	1	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	1		C	
Pretreatment: pH neutralization, hauling							360
Required TTO certifications submitted.							
NATEL	1	1	2	2		NC	
6350 Palomar Oaks Court	2		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.							

**ANNUAL PRETREATMENT PROGRAM REPORT
01/01/2015 - 12/31/2015**

Encina Wastewater Authority	Reporting Quarters	Number of Inspections	Agency Monitoring	Self-Monitoring	Limit Violations	Reporting Quarter Status	Flow Rate (GPD)
NATURAL ALTERNATIVES INTERNATIONAL	1		2	2		C	
1215 Park Center Drive	2	1	2	2		C	
Vista, CA 92081	3		2	2	1	NC	
40 CFR Part 439, Subpart D PSNS	4		2	2		NC	
Pretreatment: settling/clarifier							2,860
One violation of the local limit for zinc. NOV issued and \$200.00 in fines assessed. Findings of the investigation and repeat analysis are not due until March 3, 2016.							
NUTRITIONAL ENGINEERING, INC.	1	1					
1208 Avenida Chelsea	2	1					
Vista, CA 92081	3		1			C	
40 CFR Part 439, Subpart D PSNS	4	1	1	1		C	
Pretreatment: hauling & pH neutralization							75
Industry reclassified from a Class III NSCIU facility to a Class I SIU. Class I permit issued on July 14, 2015. Industry failed to successfully self-monitor in the third and fourth quarters. NOV issued and makeup sample required.							
PRIMARCH MANUFACTURING, INC.	1		1	2		C	
1211 Liberty Way, Suite A	2	1	1	1		C	
Vista, CA 92083	3		1	1		C	
40 CFR Part 439, Subpart D PSNS	4		1	2		C	
Pretreatment: settling/clarifier, oil & grease removal							100

**ANNUAL PRETREATMENT PROGRAM REPORT
01/01/2015 - 12/31/2015**

Encina Wastewater Authority	Reporting Quarters	Number of Inspections	Agency Monitoring	Self-Monitoring	Limit Violations	Reporting Quarter Status	Flow Rate (GPD)
PRUDENTIAL OVERALL SUPPLY	1		3	1		NC	
2485 Ash Street	2		1	1	3	NC	
Vista, CA 92081	3		2	1	1	NC	
Industrial Laundry - Local Limits	4	1	3	3	2	NC	
PT: flow equalization, pH neutralization, settling, DAF							54,000
<p>Three violations of the local limit for BOD, one violation of the local limit for O&G, and two violations of the local limit for TSS. NOV's issued and \$1,800.00 in fines assessed. Industry was unable to determine the cause for the second quarter BOD, O&G, and TSS violations. The third quarter BOD violation was attributed to head pressure in the Equalization Tank (EQ) causing untreated wastewater to bleed through the pretreatment system during periods when the system is shutdown. Industry modified their SOP requiring that all valves to the DAF unit be closed after the transfer pump is turned off regardless of the EQ tank level. The fourth quarter BOD and TSS violations were attributed to a failed air injection valve in the DAF unit. The valve has been replaced and the DAF tank cleaned.</p>							
SEASPINE, INC.	1		2	2		C	
2302 La Mirada Drive	2		1	2		C	
Vista, CA 92081	3	1	2	2		C	
40 CFR Part 433 PSNS	4		2	2		C	
Pretreatment: hauling, neutralization							730
<p>Ownership change. New permit issued August 26, 2015. Required TTO certifications submitted.</p>							
SELECT SUPPLEMENTS, INC.	1		1			C	
5800 Newton Drive	2	1	1	1		C	
Carlsbad, CA 92008	3		1	2		C	
40 CFR Part 439, Subpart D PSNS	4		1	1		C	
Pretreatment: settling/clarifier							2,718
<p>Industry failed to self-monitor in the first quarter. NOV issued and makeup sample required.</p>							

ANNUAL PRETREATMENT PROGRAM REPORT
01/01/2015 - 12/31/2015

Encina Wastewater Authority	Reporting Quarters	Number of Inspections	Agency Monitoring	Self-Monitoring	Limit Violations	Reporting Quarter Status	Flow Rate (GPD)
SELECT SUPPLEMENTS, INC.	1	1					
2390 Oak Ridge Way	2						
Vista, CA 92081	3	1					
40 CFR Part 439, Subpart D PSNS	4		1	1	1	NC	
Pretreatment: settling/clarifier							1,400
New facility. Initial permit issued November 4, 2015. One violation of the local limit for pH. NOV issued and \$100.00 in fines assessed. Findings of the investigation and steps taken to prevent recurrence are not due until March 11, 2016.							
SIGNET ARMORLITE, INC.	1		2	2	1	NC	
5803 Newton Drive, Suite A	2	1	1	1	2	NC	
Carlsbad, CA 92008	3		1	1		SNC	
40 CFR Part 433 PSNS	4						
Pretreatment: hauling							4,475
One violation of the federal monthly average limit for cadmium; one violation of the federal monthly average limit for lead; plus 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. Required TTO certifications submitted.							
VISTA INDUSTRIAL PRODUCTS, INC.	1		1	1		NC	
1395 Park Center Drive	2	1	3	2	2	SNC	
Vista, CA 92081	3		3	2	4	SNC	
40 CFR Part 433 PSNS	4	2	2	1		SNC	
PT: Cr reduction, precip & settling, pH neutralization							3,600
Two violations of the federal daily maximum and four violations of the federal monthly average limit for zinc. NOV's issued and \$1,650.00 in fines assessed. See Enforcement Activities section of the Annual Pretreatment Report for additional details. 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

		Actual	Budget	Projected	Recommended	%
		FY2014	FY2015	FY2015	FY2016	Change
5100	Salaries	\$ 312,870	\$ 340,751	\$ 313,418	\$ 346,557	2%
5200	Benefits	\$ 120,965	\$ 150,907	\$ 118,805	\$ 156,921	4%
Total Personnel Expenses		\$ 433,835	\$ 491,658	\$ 432,222	\$ 503,478	2%

			Actual	Budget	Projected	Recommended	%
			FY2014	FY2015	FY2015	FY2016	Change
40001	5520	Books	\$ -	\$ 500	\$ 250	\$ 250	-50%
40001	5930	Equipment Replacement	\$ 11,581	\$ 4,700	\$ 4,700	\$ 4,600	-2%
40001	6120	Fuel & Lube	\$ 1,521	\$ 2,250	\$ 1,500	\$ 2,250	0%
40001	6310	Lab Equipment Repair	\$ 3,335	\$ 5,650	\$ 4,650	\$ 4,925	-13%
40001	6410	Laundry & Uniforms	\$ 1,000	\$ 1,400	\$ 1,400	\$ 1,560	11%
40001	6422	Legal Notices	\$ 665	\$ 2,250	\$ 750	\$ 750	-67%
40001	6450	Professional Services	\$ 2,800	\$ 5,000	\$ -	\$ -	-100%
40001	7120	Printing & Reproduction	\$ 86	\$ 500	\$ 500	\$ 500	0%
40001	7130	Public Information	\$ 2,067	\$ 4,000	\$ 4,000	\$ 4,000	0%
Total Non-Personnel Expenses			\$ 23,056	\$ 26,250	\$ 17,750	\$ 18,835	-28%

			Actual	Budget	Projected	Recommended	%
			FY2014	FY2015	FY2015	FY2016	Change
11001	Administration		\$ 83,600	\$ 69,216	\$ 74,260	\$ 97,717	41%
12001	Laboratory		\$ 121,815	\$ 118,622	\$ 118,247	\$ 117,041	-1%
13001	Energy Management		\$ 1,903	\$ 1,979	\$ 1,943	\$ -	-100%
Total Internal Service Fund Expenses			\$ 207,318	\$ 189,816	\$ 194,451	\$ 214,758	13%
Total Operating Expenses			\$ 664,209	\$ 707,724	\$ 644,423	\$ 737,071	4%

Personnel Expense Summary by Program

Programs

	2015 Budget	2015 Positions	2016 Budget	2016 Positions	% Change
Encina Water Pollution Control Facilities	\$ 3,950,916	30.01	\$ 4,184,030	34.11	5.9%
Source Control	\$ 491,658	3.35	\$ 503,478	4.35	2.4%
<i>Agua Hedionda Pump Station</i>	\$ 144,727	1.04	\$ 146,190	1.07	1.0%
<i>Buena Vista Pump Station</i>	\$ 143,399	1.03	\$ 144,910	1.06	1.1%
<i>Buena Creek Pump Station</i>	\$ 148,918	1.08	\$ 149,999	1.11	0.7%
<i>Carlsbad Water Reclamation Facilities</i>	\$ 423,983	3.30	\$ 429,141	3.33	1.2%
<i>Raceway Basin Pump Station</i>	\$ 110,004	0.80	\$ 111,115	0.83	1.0%
Remote Facilities	\$ 971,031	7.23	\$ 981,354	7.38	1.1%
Subtotal	\$ 5,413,606	40.59	\$ 5,668,862	45.84	4.7%
Internal Service Funds	\$ 2,152,038	15.13	\$ 2,221,499	15.23	3.2%
Subtotal Operating	\$ 7,565,644	55.72	\$ 7,890,361	61.07	4.3%
Capital Program	\$ 2,013,213	11.28	\$ 2,049,098	12.93	1.8%
Total Personnel Expense	\$ 9,578,858	67.00	\$ 9,939,460	74.00	3.8%

PERSONNEL EXPENSE by ACCOUNT

Salaries

	2015 Budget	% of Total	2016 Budget	% of Total	% Change
Regular	\$ 5,940,459		\$ 6,329,811		6.6%
Performance Pay	\$ 228,621		\$ -		-100.0%
Overtime	\$ 130,524		\$ 110,000		-15.7%
Holiday	\$ 79,575		\$ 89,051		11.9%
Part-Time Staff	\$ -		\$ 51,948		
Intern Program	\$ 29,757		\$ 29,757		0.0%
Shift Differential	\$ 56,034		\$ 48,762		-13.0%
Incentive Awards	\$ 12,000		\$ 12,000		0.0%
Standby	\$ -		\$ 9,809		
Subtotal Salaries	\$ 6,476,970	67.4%	\$ 6,681,137	67.2%	3.2%

Benefits

	2015 Budget	% of Total	2016 Budget	% of Total	% Change
CAL PERS Retirement Program	\$ 1,990,634		\$ 2,045,107		2.7%
CAL PERS Employee Contribution	\$ (504,375)		\$ (517,410)		2.6%
Other Post-Employment Benefits	\$ 61,031		\$ 63,284		3.7%
Flexible Benefits 125 Plan	\$ 1,010,892		\$ 1,103,005		9.1%
Employee Benefit Contribution	\$ (19,370)		\$ (22,100)		14.1%
Deferred Compensation	\$ 234,491		\$ 243,799		4.0%
Medicare	\$ 94,586		\$ 97,404		3.0%
Unemployment	\$ 29,993		\$ 29,993		0.0%
Workers Compensation Insurance	\$ 169,721		\$ 170,808		0.6%
Professional Certification	\$ 8,121		\$ 11,870		46.2%
Employee Assistance Program	\$ 1,917		\$ 1,917		0.0%
General Manager Benefits	\$ 8,000		\$ 14,400		80.0%
Education Assistance	\$ 16,246		\$ 16,246		0.0%
Subtotal Benefits	\$ 3,101,887	32.6%	\$ 3,258,323	32.8%	5.0%
Total Personnel Expense	\$ 9,578,858	100.0%	\$ 9,939,460	100.0%	3.8%

Appendix E
SNC Publication

PUBLIC NOTICE

INDUSTRIAL USERS IN SIGNIFICANT NON-COMPLIANCE WITH SEWER DISCHARGE REQUIREMENTS

For the period from January 1, 2015 through December 31, 2015, 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
Bachem Americas, Inc.	1271 Avenida Chelsea Vista, CA 92081	Discharging Without a Permit
Glanbia Nutritionals (NA), Inc.	2840 Loker Avenue East, Suite #101, Carlsbad, CA 92010	Acetone
Signet Armorlite, Inc.	5803 Newton Drive, Suite A Carlsbad, CA 92008	Cadmium, Lead
Vista Industrial Products, Inc.	1395 Park Center Drive Vista, CA 92081	Zinc