



GOLETA SANITARY

Water Resource Recovery District



2019 Pretreatment Report

POTW PRETREATMENT ANNUAL REPORT COVER SHEET

NPDES PERMIT HOLDER OR SEWER AUTHORITY NAME: Goleta Sanitary District

REPORT DATE: January 1, 2019 through December 31, 2019

PERIOD COVERED BY PREVIOUS REPORT: January 1 through December 31, 2018.

NAME OF WASTEWATER TREATMENT PLANT: Goleta Sanitary Water Resource
Recovery District

NPDES PERMIT NUMBER: CA0048160

MONITORING AND REPORTING Program No. R3-2017-0021

PERSON TO CONTACT REGARDING INFORMATION IN THIS REPORT

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I have personally examined and am familiar with the information submitted in this document and attachments. Based upon my inquiry of those individuals immediately responsible for obtaining the information reported herein, I believe that the submitted information is true, accurate and complete.

Date

2/28/2020

Signature of Official

PP


General Manager/District Engineer
Title

GOLETA SANITARY DISTRICT, GSD, REPORT SUMMARY

The District's National Pollutant Discharge Elimination System (NPDES) permit became effective on November 10, 2017. The format of this annual report corresponds with requirements found in this current NPDES Permit # CA0048160, Order NO. R3-2017-0021, Attachment E - MRP, **Section XIII B: Pretreatment Monitoring and Reporting #1 (a - i)**.

GSD completed a major upgrade construction project in December 2013 and now provides full secondary treatment to 100% of the wastewater influent. During 2019 GSD provided treatment to an average flow of 4.85 million gallons per day (MGD) and tertiary treatment of 1.1 MGD, which goes out to the community for reclamation irrigation. The reclamation plant operated 233 days during 2019. Discharge of plant effluent to the Pacific Ocean is by means of an outfall discharging at a depth of approximately 93 feet 5800 feet offshore. Community water conservation efforts have resulted in higher strength influent and presented new treatment challenges with domestic/commercial/industrial discharge of typical linear anionic surfactants. Even so, 2019 analytical results show that GSD's Pretreatment Program continues to be an effective tool in protecting the quality of wastewater received for treatment and/or reuse of resources.

The current legal authority to enforce the pretreatment program for GSD and Goleta West Sanitary District, GWSD, are provided in the sewer use ordinances; the required legal authorities for Santa Barbara Airport, SBA, are provided for in the City of Santa Barbara Municipal Code Title 16, which designates the GSD Ordinance "as presently enacted or hereinafter amended." Current legal authorities:

1. Goleta Sanitary District Ordinance No. 77
2. Goleta West Sanitary District Ordinance No.13-84

The GSD service area consists of approximately 55,000 people, the majority of connections being residential users. Approximately 4% of the total flows from the service area are from industrial sources. These contributors have been monitored since 1975, when the District initiated its pretreatment program. GSD continues to conduct, on behalf of the City of Santa Barbara Municipal Airport, a pretreatment program for facilities located on airport property; service area for UCSB/SBA has \approx 9,238 people.

The Goleta West Sanitary District, GWSD, has implemented its own pretreatment program within its service area. The GWSD serves approximately 33,000 people, with approximately 4% of their wastewater originating from industrial waste connections. Their entire influent flow is pumped to the GSD WWTP for treatment.

The information contained in this report includes the following:

- a. **Summary of Analytical Results for GSD's Influent, Effluent, Biosolids & Priority Pollutants**
- b. **Upset, Interference, or Pass-Through Incidents during 2019**
- c. **Updated List of Significant Industrial Users, Additions, Deletions & Information**
- d. **2019 SIU Monitoring and Compliance Status Report**
- e. **Programs to Reduce Pollutants from Non-SIU Industrial/Commercial Users Overview, List of 2019 Industrial Users and Summary of Permit Classification Changes**
- f. **2019 Pretreatment Program Significant Changes**
- g. **2019 Pretreatment Program Budget**
- h. **2019 Public Participation Activities to Inform & Involve the Public**
- i. **Changes in 2019 Biosolids Disposal/Reuse Methods**

a. Summary of Analytical Results for GSD's Influent, Effluent, Biosolids & Priority Pollutants:

Priority Pollutants¹

The NPDES permit requires priority pollutant and metal analyses to be performed on the final effluent composite samples annually. Compounds detected in the final effluent samples are presented in Table 2-4; complete copies of all the laboratory reports listing all the chemical compounds and analytical methods are available for review at the Goleta Sanitary District laboratory. Fifteen compounds were detected in the effluent. Concentrations of detected chemicals are all reported as parts per billion except for TCDD and radioactivity which the units are noted next to the parameter in the table.

DISCHARGE COMPLIANCE

Throughout 2019 the wastewater discharge from Goleta Sanitary District complied with all applicable permit effluent limitations. All other monitored parameters were below their respective limitations as required by the permit. All metals, priority pollutants, and pesticides were low or undetected throughout the year.

Table 2-4. Detected Priority Pollutants and Metals, Goleta Sanitary District, 2019

Parameter, units	Effluent, ug/L
Ammonia	29,000
Antimony	0.87
Arsenic	0.66
Bis (2-chloroethyl) Ether	0.12
Beryllium	<0.056
Cadmium	<0.60
Chromium	0.64
Chromium III	0.64
Copper	9.3
Diethyl Phthalate	74
Dimethyl Phthalate	0.76
Lead	<0.32
Nickel	2.9
Mercury	<0.14
Selenium	0.50
Silver	<0.042
TCDD, equivalents, pg/L	0
Thallium	<0.047
Zinc	37
Radioactivity, Gross Alpha, pCi/L	0.839
Radioactivity, Gross Beta, pCi/L	21.1
o-Xylene	0.15
ND = Not Detected	

Monthly Averages of Effluent Parameters, Goleta Sanitary District, 2019

	pH		Turbidity	Settleable Solids	Oil and Grease		Toxicity Chronic
	Influent	Effluent	Effluent	Effluent	Effluent	Mass Emission	Effluent
Month	SU	SU	NTU	mL/L/hr	mg/L	Lbs/day	TUc
January	7.8	6.9	2.6	0.32	3.7	158.4	3.1
February	7.6	6.9	2.2	0.15	3.7	166.3	
March	7.7	7.0	2.6	0.17	3.7	155.5	
April	7.8	6.9	2.5	0.19	3.2	112.9	10.0
May	7.7	7.1	1.5	0.13	3.7	135.0	
June	7.7	7.1	1.3	0.13	3.7	113.1	
July	7.6	6.9	1.1	0.12	3.7	100.4	10.0
August	7.5	7.2	1.0	0.10	3.7	93.2	
September	7.7	7.2	1.3	0.10	7.2	211.4	
October	7.7	7.2	2.0	0.10	3.7	112.4	
November	7.8	7.3	1.8	0.10	3.7	122.8	17.9
December	7.7	7.1	1.3	0.10	3.7	136.9	
Average	7.7	7.1	1.8	0.14	4.0	134.9	10.3
Limit	No Limit	6 to 9	75	1.0	25	1590	123

¹ Tables and Information copied from *Goleta Sanitary District NPDES Monitoring Program Annual Report 2019*
Copy of this report is available upon request.

Table 2. PRIORITY POLLUTANTS BIOSOLIDS 2019, mg/dry Kg²

POLLUTANT	POLLUTANT LIMITS Part 503 Table 3, Sec 503.13	January 2019 Screw Press 3/25/2019	April 2019 Screw Press 4/16/2019	July 2019 Screw Press 7/29/2019	October 2019 Screw Press 10/10/2019
Antimony	NL	NA	NA	NA	<5.4
Arsenic	41	<12	<7.1	<6.4	<5.4
Boron	NL	<15	23	<16	30
Beryllium	NL	NA	NA	NA	<1.3
Cadmium	39	<0.92	<1.1	<0.95	<0.81
Chromium	*(1)	50	52	74	47
Copper	1,500	900	840	910	1,000
Lead	300	17	20	12	11
Mercury	17	0.71	0.63	0.81	0.42
Molybdenum ^{*(2)}	75	13	12	14	15
Nickel	420	32	34	30	31
Phosphorus	NL	35,000	31,000	31,000	33,000
Selenium	100	<6.2	<7.1	<6.4	<5.4
Silver	NL	3.8	7.9	3.1	1.8
Thallium	NL	NA	NA	NA	<2.7
Zinc	2,800	1,000	960	1,100	1,100
pH	NL	NA	NA	NA	7.40
Oil & Grease (%)	NL	NA	NA	NA	20,000
% Moisture	NL	84.1	86.6	85.4	82.5
Nitrate	NL	16	<3.7	<3.3	9.4
Organic Nitrogen	NL	44,900	49,200	53,997	41,000
Kjeldahl Nitrogen	NL	55,000	55,000	54,000	54,000
Ammonia	NL	5,100	5,800	2.9	13,000

NL = No Limit. NA = Not Analyzed.

*(1) On October 25, 1995 the EPA amended Part 503 to delete chromium standards from Tables 1 through 4 of Subpart B, Land Application.

*(2) The EPA amended Part 503 on February 25, 1994 to delete temporarily the Table 3 molybdenum limits. However, the ceiling limit of 75 mg/Kg from Table 1 has been retained and must be met.

² Table 2 from *Goleta Sanitary District Biosolids Annual Report 2019*, a copy of this report is available upon request.

b. 2019 UPSET, INTERFERENCE AND PASS THROUGH INCIDENTS

Reclaimed water disinfection interference was observed during August, September and October causing exceedance of the NPDES limit for total coliform. Investigation led to enforcement actions against unknowing industrial users whose wastewater had been discharged for decades. Staff's investigation, research and troubleshooting revealed substances toxic to the biological process. These constituents have become high in domestic wastewater background level due to water conservation. Now when industrial or commercial users discharge a slug amount of disinfectant, surfactant, anti-microbial, quaternary ammonia, sodium dimethyldithiocarbamate or other acute aquatic toxics, biological microbes become inhibited and the reclamation disinfection process is overwhelmed. Process controls have been implemented and GSD purchased a Hach DR 3900 capable of quantifying linear anionic surfactants for ongoing detection and education of users whose discharge could inhibit or disrupt treatment processes.

c. 2019 Updated List of SIUs

Class IV – Serious Hazard: Significant Industrial User Permit Classification

GSD issues Class IV permits to industries that are regulated under National Categorical Pretreatment Standards and users that have continuous discharge to the sewer which contain toxic pollutants and/or excessive hydraulic loading. 2019 Class IV permits include: **Neal Feay Company; Electromatic, Inc.; Innovative Micro Technologies; University of California, Santa Barbara; Intriplex Technologies; Kyocera International, Inc.; Next Energy Technologies, Inc. and County of Santa Barbara SCRTS (South Coast Recycling & Transfer Station.)** These facilities are inspected four times per year, sampled two times per year during the 1st and 3rd quarters by District staff. As required by 40 CFR 403.12(e), these SIU's submit Self-Monitoring Reports (SMR's) two times per year for the specified 2nd and 4th quarter periods. As recommended during the PCI conducted 12/5/17, SMR due dates were extended to January and July 15th starting with 2018 permits so that SIU's are not declaring compliance before the end of the actual self-monitoring period. Intriplex Technologies was not processing or discharging during the 1st quarter but was sampled on 8/21/19 by District staff and self-monitored during 2nd & 4th quarters; all 2019 inspections were conducted. SIUs were all directed to sample for specific TBLL constituents during 2nd Qtr self-monitoring as part of the technically based local limit study.

The hazardous waste generated on the UCSB campus is monitored by the UCSB Department of Environmental Health and Safety. They are responsible for monitoring facilities within the University boundaries, GSD provides some regulatory oversight, conducting frequent facility inspections, and monitoring the combined UCSB discharge. UCSB is regulated as an SIU based on flow as provided for in 40CFR403.3(v)(ii) and has the same sampling, inspection and self-monitoring schedule as CIU's.

c. 2019 SIU Additions/Deletions/Information.

Next Energy Technologies, Inc. and Kyocera International, Inc. were both reclassified to CIU's, their Class IV permits were mailed on November 8, 2018 and valid through December 31, 2020. The CIU sample/inspection/SMR schedule started in 2019. **County of Santa Barbara SCRTS** was issued SIU permit # IV-436 on January 24, 2019. **Kyocera International, Inc.** completed the operations and process equipment move to Washington State in early October 2019. An inspection on 12/23/19 confirmed cleanup in progress to be complete January 2020. A letter to rescind Permit IV-434 sent to Kyocera on January 2, 2020. **Microdyn-Nadir, US, Inc.** (formerly Trisep Corporation) has been reclassified based on hydraulic loading of >25,000 gpd process water and industrial surfactant discharge contributing to treatment plant challenges. Accordingly, Class IV Permit # IV-437 was issued on January 8, 2020. Additionally, a separate groundwater remediation discharge permit will be issued during 2020 for this same facility site.

Please find all other updated SIU information, including applicable categorical federal standards, in the following [2019 SIU Monitoring and Compliance Status Report](#) table:

d. 2019 SIU Monitoring and Compliance Status Report

Permit Number	Industrial User, Site Address & Applicable Federal Category	Standards Local/Categorical	Pretreatment in Place	Q T R	Inspections /Samples	Compliance Status		Compliance/ Enforcement	Remarks
						Fed	Local		
IV-403	Neal Feay Company 133 La Patera Goleta, CA 93117 Metal Finishing 40 CFR 433.17(a)	YES/YES	Ion exchange / pH correction. new: color neutralization w/bleach	1	1/1	A1	A1	FULL	Updated Slug Control Plan rec 3/19/18. 2 nd Qtr SMR early, wrong form = NOW, self-reported Pb violation = NOV. Resample w/ 30-days, OK. Discolored discharge/deficient emp training = NOV. Back in compliance 9/30/19.
				2	1/1	B2	B2	NOV/NOW	
				3	1/1	B1	B1	NOV	
				4	1/1	A2	A2	FULL	
IV-413	UC, Santa Barbara Environmental Health & Safety Santa Barbara, CA 93106 SIU (based on hydraulic loading)	YES/NO	Grease/Sand separation, G&O interceptors, pH Neutralization	1	1/1	N/A	A1	FULL	The hazardous waste generated on UCSB campus is monitored by the EH&S Department. GSD samples at end-of-pipe, local limits apply. Full 2019 Compliance.
				2	1/1	N/A	A2	FULL	
				3	1/1	N/A	A1	FULL	
				4	1/1	N/A	A2	FULL	
IV-414	Electromatic, Inc. 789 S. Kellogg Avenue Goleta, CA 93117 Metal Finishing 40 CFR 433.17(a)	YES/YES	Metal Precipitation, pH correction, Filter Press	1	1/1	A1	A1	FULL	Slug Control Plan & TOMP on file, certifications provided 2 nd & 4 th Qtr SMR's. Full 2019 Compliance.
				2	1/1	A2	A2	FULL	
				3	1/1	A1	A1	FULL	
				4	1/1	A2	A2	FULL	
IV-429	Innovative Micro Technology 75 Robin Hill Road Goleta, CA 93117 Semiconductor 40 CFR 469.18	YES/YES	Neutralization / pH correction	1	1/1	A1	A1	FULL	Slug Control Plan & SOMP on file, certification provided with 2 nd Qtr SMR. NOV sent 1/3/20 failure to submit 2020 renewal form and discharge permit fees, received 1/20/20. NOW 1/16/20 incomplete 4 th Qtr SMR, received 1/20/20.
				2	1/0	A2	A2	FULL	
				3	1/1	A1	A1	FULL	
				4	1/0	A2	A2	NOW	
IV-433	Intriplex Technologies 5728 Thornwood Drive Goleta, CA 93117 Metal Finishing 40 CFR 433.17(a)	YES/YES	Neutralization / pH correction, capture and haul waste & dragout tanks.	1	1/0	N/A	N/A	FULL	Chemical debrurr off-line, zero 1 st Qtr discharge. 3 rd Qtr NOW low pH, prompt action. Consolidate tumbling operations from 5730 (Permit # III-333) to this facility site. Slug Control Plan on file.
				2	1/1	A2	A2	FULL	
				3	1/1	A1	A4	NOW	
				4	1/1	A2	A2	FULL	
IV-434	Kycocera International, Inc. 75-B Robin Hill Road Goleta, CA 93117 Semiconductor 40 CFR 469.28	YES/YES	None / All waste is captured & hauled.	1	1/1	A1	A1	FULL	Former Permit #III-369, new CIU permit sent 11/8/2018. Mid-year start Ops move to Washington, process equipment removed, zero 4 th Qtr discharge/sample. Rescind Permit 1-2-2020. Full 2019 Compliance.
				2	1/1	A2	A2	FULL	
				3	1/1	A1	A1	FULL	
				4	1/0	N/A	N/A	FULL	
IV-435	Next Energy Technologies, Inc. 600 Ward Drive Santa Barbara, CA 93111-2310 Semiconductor 40 CFR 469.13	YES/YES	None / All waste is captured & hauled.	1	1/1	A1	A1	FULL	Former Permit #III-368, new CIU permit sent 11/8/2018. Solvent Management Plan approved 8/27/19, certification provided w/4 th Qtr SMR. Full 2019 Compliance.
				2	1/1	A2	A2	FULL	
				3	1/1	A1	A1	FULL	
				4	1/0	A2	A2	FULL	
IV-436	Santa Barbara County SCRTS 4430 Calle Real Santa Barbara, CA 93110 SIU (based on hydraulic loading)	YES/NO	Screen filters & Sedimentation	1	1/1	N/A	A1	FULL	SIU permit sent 1-24-2019 for stormwater diversion system discharge after rain events, discharge limited to 9pm-5am @ 200 gpm max, local limits apply. Full 2019 Compliance.
				2	1/1	N/A	A2	FULL	
				3	1/1	N/A	A1	FULL	
				4	1/1	N/A	A2	FULL	

OTHER NOTES:

LOCAL = Local Limits
 Fed = Federal Categorical Standards
 *ACL = Alternative Categorical Limit
 Applied at end-of-pipe

COMPLIANCE STATUS KEY

A) Consistently Achieving Compliance
 B) Inconsistently Achieving Compliance
 C) Compliance Status Unknown
 D) On a Compliance Schedule (Due Date)

COMPLIANCE DETERMINANTS

1) POTW Sampling Data Only
 2) Self Monitoring Data Only
 3) Both 1 & 2
 4) Other (Described in Remarks)

COMPLIANCE/ENFORCEMENT

FULL= Full Compliance
 NOW = Notice of Warning
 NOV = Notice of Violation
 AO = Administrative Order
 CIVIL = Civil Action
 CRIM = Criminal Action
 FINE = Administrative Fines
 REVO = Revocation of Permit

e. Program to Reduce Pollutants from Non-SIU Industrial/Commercial Users

Since the enactment of the Federal Water Pollution Control Act (Public Law 92-500), GSD has maintained a pretreatment program for regulating and monitoring industrial discharges. At the beginning of 2019 there were 32 non-SIU industrial users: 14 Class III, 10 Class II and 8 Class I. During 2019 three non-SIUs ceased operations, one changed permit classification and one had a name change. The 2020 discharge permit renewal stickers were sent on 1-2-20, current industrial wastewater discharge permits are valid through December 31, 2020. There is a list of these IU's as well as a Summary of Permit Info and/or Classification Changes included in this report. To provide reasonable basis for classification of the various industrial users in the District, there are four additional permit classes for non-SIU's:

Class I - No Hazard: This class includes industrial users who do not handle, store, or dispose of toxic wastes on the premises; and who do not discharge toxic wastes into the sewer. These users include those with discharges that contain non-toxic pollutants, which may cause interference with the WWTP.

Class II - Low Hazard: This group of industrial users handles or stores toxic wastes on their premises, but does not discharge these wastes to the sewer. Such users have all toxic wastes hauled off site, but have floor drains or other plumbing fixtures through which toxic waste can be conveyed to the sewer during normal wash down operations or spillage. Zero-Discharge Certification Form can be used in lieu of monitoring.

Class III – Hazardous: This classification is for users with intermittent discharges to the sewer which contain toxic pollutants. **Class IIIR – Groundwater Remediation:** This classification is for industrial users pumping contaminated groundwater through treatment then discharging to the sewer.

All non-SIU permit holders are inspected and sampled at a minimum of one time per year and are not required to self-monitor unless a violation is discovered during routine sampling and inspections. There are two permitted groundwater remediation sites: Westside Gas – waiting on closure approval, zero 2019 discharge; and Bardex Corporation – still zero discharge but rebuilt WTS in 2019. There will be an additional IIIR permit issued during 2020 to TSP Filter, Inc. (dba Microdyn-Nadir US, Inc.) for 1,4-dioxane remediation using filtration and ozonation. High strength wastewater coupled with a WWTP treating half of design capacity has presented some operational challenges. Simple surfactants, preservatives and anti-microbial agents from commercial/industrial users previously treated now pose serious challenges to GSD operations. Three “Cease & Desist” orders were sent during 2019. Santa Barbara Airport, SBA, and Microdyn-Nadir US, Inc. were each ordered to capture and haul incompatible wastewater until pretreatment could be installed. SBA's contracted waste hauler, with a known storage facility located in Goleta, verbally confirmed that this SBA waste that they were hired to properly dispose was taken to their permitted facility located in Santa Barbara. To confirm, GSD staff surveilled the hauler leaving the airport after a waste pickup and caught them unloading the waste into storage tanks at the Goleta facility. Accordingly, Marborg Industries was sent a Cease & Desist order 10/2/19. On 10/8/19 GSD had received verification of waste disposal receipts and notification that the storage tanks were removed.

e. Additional Programs

GSD's Collection System Staff & IWCO implement a FOG Source Control Program and are actively monitoring ~107 Food Service Establishments, (FSE's). During 2019, outdoor interceptors were sampled 69 times using a “sludge judge”, 64 initial tests were <25% and in compliance; 5 were >25%, 1 was re-sampled. Twenty (20) FSE's do not have outdoor interceptors, 16 were sampled at their end-of-pipe location; 11 were <100mg/L, 5 >100mg/L. Eighteen FSEs were not monitored during 2019 due to closure, ownership change and/or remodel.

On July 20, 2018, as required per 40 CFR 441.50 dental regulations, *One-time Dental Compliance Certification* forms were sent to 45 Dentists and posted to the District's website at <https://goletasanitary.org/community-commitment/doing-business-with-gsd>. To date, 4 notices were returned because of retirement and/or change in location; 24 of 46 compliance reports have been received, follow-up inspections continue during 2020.

Ongoing IU surveys in the District include building plan review, connection permits, local business news, internet searches, GSD staff drive by and communication with other regulators i.e. CUPA, APCD, during monthly Environmental Task Force meetings.

e. 2019 Industrial Users in accordance with the Industrial Waste Control Permit System

<u>CLASSIFICATION</u>	<u>PERMIT #</u>	<u>INDUSTRY NAME</u>
Class I	I-113	Goleta Water District / San Marcos Well
	I-115	Goleta Water District / Berkeley Well
	I-116	Goleta Water District / San Antonio Well
	I-117	Goleta Water District / Shirrell Well
	I-118	Goleta Water District / El Camino Well
	I-122	Goleta Water District / Anita Well
	I-123	Goleta Water District / San Ricardo Well
	AI-120**	Goleta Water District / Airport Well
Class II	AI-204**	Mission Support & Test Services LLC
	II-211	Soilmoisture Equipment Corporation
	II-219*	Turnpike One Hour Martinizing
	II-224	Advanced Vision Science, Inc.
	II-228	Santa Barbara County Sheriff Coroner's Office
	II-232	Eco-Friendly Cleaners
	II-240	Mission Support & Test Services LLC
	AI-241**/**	L-3 Maripro, Inc.
	II-242	Santa Barbara News Press
II-245**	AgRx	
Class III	III-324*	Microdyn-Nadir US Inc. (reclassify to SIU 2020)
	III-325	Goleta Valley Cottage Hospital
	III-333*	Intriplex Technologies (moved operations)
	III-337	Skate One Corporation
	III-344	National Railroad Passenger Corporation
	III-349	Raytheon EW
	III-351R***	Westside Gas
	III-357R**/**	Bardex Corporation (remediation system rebuilt)
	III-360	Santa Barbara Airbus
	III-361*	Oxford Instruments Asylum Research, Inc.
	III-364	Soraa Laser Diode, Inc.
	III-366	Rayne of Santa Barbara
	III-367	Karl Storz Imaging
	III-370	Santa Barbara Airport
Class IV	IV-403	Neal Feay Company
	IV-413	University of California at Santa Barbara
	IV-414	Electromatic
	IV-429	Innovative Micro Technologies
	IV-433	Intriplex Technologies
	IV-434*	Kyocera International, Inc.
	IV-435	Next Energy Technologies Inc.
	IV-436* (2019)	SB County South Coast Recycle & Transfer Station

*Change in Permit Info and/or Status, **Santa Barbara Airport properties, ***ZERO or MINIMAL 2019 Discharge

e. 2019 Summary of Permit and/or Classification Changes

INDUSTRIAL USER	2019 PERMIT	2020 PERMIT	COMMENTS
Oxford Instruments Asylum Research 6310 Hollister Ave. Goleta, CA 93117	III-361	N/A	Wet bench not used since August 2018, WASTEC neutralization system decommissioned early 2019, waste/wet bench/WASTEC removed April 2019. 12/11/2019 received zero industrial wastewater discharge certification, all information verified during 12/17/2019 inspection, Permit # III-361 rescinded.
Kyocera International, Inc. 75 B Robin Hill Road Goleta, CA 93117	IV-434	N/A	Announced during 1 st Qtr inspection that operations/employees were moving to Vancouver WA; plan to be out of facility by October/November. By 2 nd quarter only discharge was 3 rd rinse from acid bench. 3 rd Qtr many employees and most equipment gone. 4 th quarter inspection confirms only two EH&S staff left for property restoration, permit rescinded 1/2/2020.
County of Santa Barbara SCRTS: South Coast Recycle & Transfer Station 4430 Calle Real Santa Barbara, CA 93111	N/A	IV-436	SIU Permit issued 1-24-2019 for storm water diversion system that filters/captures/stores rainfall that comes into contact with waste materials on the tipping floor of the community's recycle and transfer site to prevent contaminated storm water from flowing untreated to the ocean. Discharge parameters are between 9:00 p.m.-5:00 a.m. @ max rate of 200 GPM for two consecutive days following a storm, total of 16-hours/storm event.
IntriPlex Technologies, Inc. 5730 Thornwood Dr. Goleta, CA 93117	III-333	N/A	IntriPlex Technologies, Inc. has consolidated tumbling/cleaning operations from the 5730 Thornwood facility with the chemical deburr operations at the 5728 Thornwood address. Permit # III-333 rescinded, all operations will be regulated under 40 CFR 433 with the existing CIU Permit # IV-433.
Microdyn-Nadir US Inc. 93 South La Patera Lane Goleta, CA 93117	III-324	IV-437	Gathering flow data for TBLL/pretreatment project revealed that MNUS flow had increased to >25,000 gpd process water and anionic surfactant discharge challenging plant operations. Permit reclassification notice with permit fee invoice sent 10-9-2019, new SIU permit sent 1-8-2020.
Microdyn-Nadir US Inc. 93 South La Patera Lane Goleta, CA 93117	N/A	TBD	(Reported last 2 years, project is not yet operational or permitted.) Central Coast RWQCB requires cleanup of 1,4 dioxane contamination @ the MNUS site. Filtration and an ozone system will be used to treat contaminated water, with a plan to re-inject back into ground and/or discharge to sewer.
Bardex Corporation 6338 Lindmar Dr. Goleta, CA 93117	III-357R	III-357R	Waste Treatment System, WTS, decommissioned 9-29-15; zero discharge since but cleanup order by CC RWQCB prompts WTS to be rebuilt by contractor. Project complete and verified during 4 th quarter inspection though groundwater remains 55-60 feet below grade; still zero discharge.
Turnpike One Hour Martinizing 155 S. Turnpike Road Santa Barbara, CA 93111	II-219	II-219	Received email notification 12/26/19 stating, "As of 12.31.19, I will no longer be a Martinizing Franchisee...I am changing my dba to: Turnpike One Hour Cleaners. The corporation and all else stays the same."

f. 2019 PRETREATMENT PROGRAM SIGNIFICANT CHANGES

On March 5, 2015 GSD staff submitted an NPDES application to the Central Coast RWQCB, the first since the plant upgrade completion in December 2013 to full secondary effluent. Order No. R3-2017-0021 for NPDES Permit No. CA0048160 was adopted by CCRWQCB on September 21, 2017 and is effective November 10, 2017 through November 9, 2022.

With new NPDES discharge limits and monitoring requirements established, the District is proceeding with a technically based local limit study and evaluation/update of the pretreatment program. As previously reported, RvL Associates (RvL) proposed a two-phased project approach and was awarded the contract on 5-3-18. Phase I concluded in 2018 with written recommendations from RvL for a full local limit study and potential program modifications to meet the District's current and future goals. On 1-8-2019 staff met with RvL to discuss and finalize Phase II scope of work, schedule and modified fees. RvL 2019 project activities: 1) Local Limits Re-evaluation: data request, sampling plan, implementation and analysis; 2) Request for and review of information regarding the District's sewer use ordinance, permitting procedures and enforcement response plan. IWC 2019 project activities: 1) review and response to all data/information requests; 2) drafts of new Multijurisdictional Agreements (MJA) based on RvL technical memorandum recommendations and using EPA's MJA guidance document. These draft MJAs have been sent for review and comment by contributing jurisdictions (still in process.) Staff is deliberating with UCSB on whether an MJA and/or continued control mechanism with memorandum of understanding is best legal approach for District authority to enforce 40 CFR 403 on campus property. This project's Phase II is intended to conclude with a submittal package to the approval authority during 2020.

Per 12/5/2017 PCI Requirement #8: "The District is required to notify the lab that billing for compliance monitoring should be sent directly to the District. The District may, at its discretion, choose to bill the SIUs to recover costs of sampling and analysis." Implemented beginning 2019, all monitoring analysis costs are now billed direct to GSD by the laboratory and then all IUs are invoiced by GSD to recover these costs.

g. SUMMARY OF 2019 PRETREATMENT PROGRAM BUDGET

Expenditures for the Pretreatment Program consisted of the following:

Office Supplies	891.58
Printing, Publication and Public Education Expenses	8,561.87
Training Seminars & Travel	3,771.28
Operating Expenses	8,179.00
-Uniforms/Boot Allowance (\$611.28)	
-Insurance (\$4963.38)	
-Miscellaneous Equipment/Materials (\$1615.17)	
-Janitorial Services (\$989.17)	
Membership Expense	459.00
Vehicle Maintenance & Fuel	807.53
Utilities	642.49
Outside Laboratory Analysis/Professional Service	84,003.39
<u>Labor (including benefits)</u>	<u>173,110.78</u>
TOTAL	<u>\$278,353.92</u>

The 23% budget increase from 2018 is primarily due to the technically based local limit study and pretreatment program project. The program is funded by fees derived from Industrial User Permits and Sewer Service Charges.

h. 2019 SUMMARY OF PUBLIC PARTICIPATION ACTIVITIES

Since the last Pretreatment Report, the District published two newsletters in 2019, which can be found on the District's website, <https://goletasanitary.org/about-us/news>. On October 12, 2019 the District welcomed >850 members of the public to its second Jurassic Plant Tour Open House. The District continued new information updates to the website, updated the GSD video for use during on-site tours and on the website and launched its Facebook page in the fall of 2019 in an effort to reach more of the community through additional channels. There were 31 tours to various groups for a total of 1480 on-site visitors during 2019.

There were a number of events the District participated in off-site including the Old Town Goleta Game Night, Tastes and Sounds of Old Town Goleta, the Goleta Lemon Festival, Santa Barbara Earth Day, Old Town Goleta Christmas Parade and the United Way of Santa Barbara County's Fun in the Sun (FITS) lunch bunch program. During 2019 a new Water Science classroom program for the FITS grades 4-6 group and plant tours for all age FITS kids with transportation provided by the District was implemented. The total number of off-site contacts during 2019, not including the Christmas Parade, was 4,468.

The District is a contributing partner to the *Green Business Program Santa Barbara County* helping businesses become more aware of resource conservation and sustainability through education about the GBPSBC certification process and resulting benefits. The District completed the criteria for being certified as a green business for offices, and received the GBP certification recognition on March 13, 2019.

As required by the General Pretreatment Regulations, the District publishes notices in a newspaper of general circulation informing the public of significant violations during each calendar year when applicable. During 2019 there was one industrial user, Neal Feay Company, meeting the technical review criteria for significant noncompliance during 2nd (1 in 2 samples = 50%) & 3rd (1 in 3 samples = 33%) quarters for the very same 3.59 mg/L self-reported lead exceedance which occurred during an equipment upgrade and removal of the last and only remaining lead anode in a process tank. Public notification in a newspaper of general circulation within GSD's jurisdiction will be published March 2020.

i. 2019 CHANGES IN BIOSOLIDS TREATMENT / DISPOSAL / REUSE³

On November 10, 2017, the Goleta Sanitary District's current NPDES permit became effective. The Goleta Sanitary District operates under NPDES Permit No. CA0048160 and Waste Discharge Requirements (WDR) Order No. R3-2017-0021. These permits contain sludge-monitoring programs requiring the District to analyze its sludge for various constituents on either an annual or quarterly basis depending on the constituent. The District's NPDES permit also stipulates that the District's biosolids must meet all of the regulations contained in 40 CFR Part 503.

All biosolids currently being produced and distributed by GSD are released in bulk form as "Pollutant Concentration (PC) Biosolids, Class B", and, as such, they meet 40 CFR Part 503 sections 503.12 and 503.14, General Requirements and Management Practices. During 2019, a total of 960 dry metric tons of bulk biosolids were produced by the Goleta Sanitary District.

A small amount of Class A biosolids were produced during 2015 and 2019. Biosolids dredged from the stabilization basins and solar dried in the sludge drying beds are tested and given away as "Class A Biosolids of Exceptional Quality". These biosolids are to be used in home lawns and gardens, and as such, they are exempt from the General Requirements and Management Practices of 40 CFR Part 503 Sections 503.12 and 503.14, respectively. Throughout 2019 a total of 6.9 cubic yards (3.2 dry metric tons) of biosolids were distributed to the local community.

The screw-pressed biosolids identified as Class B were transported to Liberty Composting Inc. located at 12421 Holloway Road, Lost Hills, CA 93249. Copies of the agreement with Liberty Composting are available upon request.

³ Goleta Sanitary District Biosolids Annual Report 2019, a copy of this report is available upon request.



www.goletawest.com
phone: 805 968-2617, fax: 805 562-8987

P.O. Box 4, Goleta, CA 93116-0004
UCSB Campus Parking Lot 32, Santa Barbara, CA 93106

February 5, 2020

Mr. Steve Wagner
General Manager
Goleta Sanitary District
1 William Moffett Place
Goleta, CA 93117

Received

FEB 11 2020

Goleta Sanitary District

Dear Mr. Wagner,

Enclosed is the Annual Report for the Goleta West Sanitary District's Pretreatment Program for 2019.

If you have any questions or need additional information, please feel free to call this office.

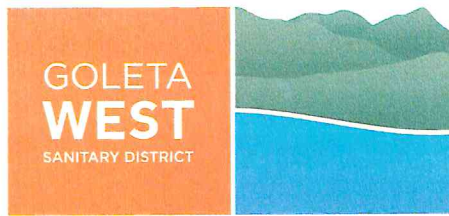
I certify under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons directly responsible for gathering information, the information 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 fines and imprisonment for knowing violations.

Sincerely,

GOLETA WEST SANITARY DISTRICT

Mark Nation
General Manager/Superintendent

Enclosure



www.goletawest.com

phone: 805 968-2617, fax: 805 562-8987

P.O. Box 4, Goleta, CA 93116-0004

UCSB Campus Parking Lot 32, Santa Barbara, CA 93106

GOLETA WEST SANITARY DISTRICT (GWSD) 2019 PRETREATMENT PROGRAM REPORT SUMMARY

This report contains information addressing the 2019 Goleta West Sanitary District (GWSD) Pretreatment Program annual reporting requirements. Results of POTW sampling and analysis of influent and effluent are not applicable to this sewer authority.

Since May 1983, GWSD has maintained an Industrial Waste Pretreatment Program to monitor and control the discharged wastes of industrial users of this public sewer system. GWSD serves a population of approximately 39,500 people. It is estimated that approximately 4% of the total wastewater flow is from industrial sources. Legal authority to enforce the pretreatment program is provided in the GWSD Sewer Use Ordinance 13-84, an Ordinance regulating the discharge of industrial waste and the pretreatment of industrial waste in the District. Ordinance 13-84, which repealed and replaced Ordinance 61, was adopted by the GWSD Board of Directors on December 3, 2013.

As of January 1, 2019, the Goleta West Sanitary District (GWSD) had seventeen active Industrial Wastewater Discharge Permits. Six IU's were subject to Federal Categorical Regulations. Eleven IU's were non-categorical subject to Local Limits.

The format of this report complies with the requirements found in GSD's NPDES Permit # CA0048160.

2019 Analytical Results

Analytical results for influent, effluent, biosolids and plant processes are collected by Goleta Sanitary District (GSD).

2019 Upset, Interference, and Pass Through Incidents

There were no know incidents of upset, interference or pass through attributed to any GWSD IU during 2019.

GWSD List of IU Classifications

Class I: No Hazard – This class includes Industrial Users that do not handle, store, or dispose of toxic wastes on the premises; and that do not discharge toxic wastes into the sanitary sewer system. These Users include those with discharges that contain non-toxic pollutants, which may cause interference with the operation of the POTW.

Class II: Low Hazard – This group of Industrial Users handles or stores toxic wastes on their premises, but does not discharge these wastes to the sanitary

sewer system. Such Users have all toxic wastes hauled off-site, but have floor drains or other plumbing fixtures through which toxic waste can be conveyed to the sanitary sewer system during normal washdown operations or spillage.

Class III: Hazardous – This classification is for Industrial Users that are not classified as SIUs or CIUs, but have intermittent or continuous discharges to the sanitary sewer system that contain toxic pollutants.

Class IIIR: Groundwater Remediation – This classification is for Industrial Users pumping contaminated groundwater through treatment and then discharging it to the sanitary sewer system.

Class IV: Serious Hazard – This classification is for SIUs that are regulated under categorical pretreatment standards or Users that have continuous discharge to the sanitary sewer system that contain toxic pollutants.

2019 Active IU Permits

CLASS I: None

CLASS II: Apeel Sciences, Inc.
Google Inc.
Goleta Red Distilling, LLC
Outer Aisle Gourmet, LLC
Ritz-Carlton Bacara
SerImmune, Inc.
USPS Santa Barbara Processing & Distribution Center

CLASS III: Calient Technologies, Inc.
Costco Wholesale Photo Center
Karl Storz Imaging, Inc.
Medtronic, Inc.

CLASS IIIR: None

CLASS IV: Corning Glass Microsystems
FLIR Systems, Inc.
Lockheed Martin Santa Barbara Focalplane
Raytheon Systems Operations (B-1, B-2, B-3 & CWTP)
Raytheon Systems Operations (B-8)
Transphorm, Inc.

2019 SIU MONITORING & COMPLIANCE STATUS REPORT

Permit Number	Industrial User, Site Address & Applicable Federal Category	Standards Local/Categorical	Pretreatment in Place	Q T R	C E R T	Inspections / Samples	Compliance Status		Compliance/ Enforcement	Remarks
							Fed	Local		
IVC-154	Corning Glass Microsystems 55 Castilian Drive Goleta, CA 93117 <i>Semiconductor 40 CFR 469.18</i>	Yes/Yes	Automated pH Neutralization	1		1/1	A1	A1	FULL	Full Compliance
				2	X	2/1	A1	A1	FULL	
				3		1/1	A1	A1	FULL	
				4	X	1/1	A1	A1	FULL	
IVC-150	FLIR Systems 6769 Hollister Avenue Goleta, CA 93117 <i>Semiconductor 40 CFR 469.18</i>	Yes/Yes	Automated pH Neutralization	1		1/1	A1	A1	FULL	Full Compliance
				2	X	1/1	A2	A2	FULL	
				3		1/1	A1	A1	FULL	
				4	X	1/1	A2	A2	FULL	
IVC-115	Lockheed Martin SB Focalplane 346 Bollay Drive Goleta, CA 93117 <i>Semiconductor 40 CFR 469.18</i>	Yes/Yes	Automated pH Neutralization	1		1/1	A1	A1	FULL	8/19/19 – NOV IU self-reported pH excursions on 8/1&2/19. 10/21/19 – NOV IU self-reported pH excursions on 9/25&26/19
				2	Y	1/1	A2	A2	FULL	
				3		2/1	A1	B2	NOV/NOV	
				4	Y	1/1	A2	A2	FULL	
IVC-119	Raytheon Company 6825 Cortona Drive Goleta, CA 93117 <i>Semiconductor 40 CFR 469.12</i> <i>Electronic Crystals 40 CFR 469.22</i>	Yes/Yes	Automated pH Neutralization	1		1/1	A1	A1	FULL	Full Compliance
				2	X	1/1	A2	A2	FULL	
				3		1/1	A1	A1	FULL	
				4	X	1/1	A2	A2	FULL	
IVC-105	Raytheon Company 44 Castilian Drive Goleta, CA 93117 <i>Metal Finishing 40 CFR 433.17(a)</i>	Yes/Yes	Automated pH Neutralization	1		1/1	A1	A1	FULL	Full Compliance
				2	X	1/1	A2	A2	FULL	
				3		1/1	A1	A1	FULL	
				4	X	1/1	A2	A2	FULL	
IVC-147	Transphorm Inc. 115 Castilian Drive Goleta, CA 93117 <i>Semiconductor 40 CFR 469.18</i>	Yes/Yes	Automated pH Neutralization	1		1/1	A1	A1	FULL	Full Compliance
				2	Y	1/1	A2	A2	FULL	
				3		1/1	A1	A1	FULL	
				4	Y	1/1	A2	A2	FULL	

SIU Sampling Schedule: POTW Quarters 1 & 3, SIU Self-Monitor Quarters 2 & 4. SIU Inspections are conducted every Quarter.

<p><u>Req'd TIO Certifications (CERT) Submitted</u> X = no TIO certifications required Y = yes, TOMP on file & cert submitted N = no, TOMP on file & cert not submitted</p>	<p><u>COMPLIANCE STATUS KEY</u> A) Consistently Achieving Compliance B) Inconsistently Achieving Compliance C) Compliance Status Unknown D) On a Compliance Schedule (Due Date)</p>	<p><u>COMPLIANCE DETERMINANTS</u> 1) POTW Sampling Data Only 2) Self Monitoring Data Only 3) Both 1 & 2 4) Other (Described in Remarks)</p>	<p><u>COMPLIANCE/ENFORCEMENT</u> FULL = Full Compliance NOW = Notice of Warning NOV = Notice of Violation AO = Administrative Order CIVIL = Civil Action CRIM = Criminal Action FINE = Administrative Fines REVO = Revocation of Permit</p>
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2019 SUMMARY OF SIGNIFICANT CHANGES AND EVENTS

During 2019 GWSD continued to cooperate with GSD and their contractor, RvL Associates, to provide data and other information to support their Technically Based Local Limit (TBLL) Study and Pretreatment Program Improvements.

On August 20, 2019, GWSD issued a written Notice of Violation (NOV) to Lockheed Martin Santa Barbara Focalplane for self-reported pH Local Limit exceedance. Two separate incidents occurred on August 1 & 2, 2019 which resulted in the discharge to sewer of an estimated 400-gallons total of wastewater with a pH below the Local Limit of 6.0. The conditions were detected during routine inspections of the Waste Neutralization System (WNS) by Focalplane staff. The cause of the low pH was determined to be chlorine tablets that had been recently added to the WNS discharge tanks. Focalplane is endeavoring to utilize a post pH adjustment vacuum distillation system (VDS) to recover and return all of its process wastewater to their process supply water.

On October 21, 2019 GWSD issued a written Notice of Violation (NOV) to Lockheed Martin Santa Barbara Focalplane for another self-reported pH Local Limit exceedance. Two separate incidents occurred on September 25 & 26, 2019 when approximately 132-gallons total of wastewater with a pH below 6.0 was released to sewer. In response to their previous pH limit breach, and to continue with their campaign to reuse all of its process wastewater, Focalplane staff was making plumbing modifications to the WNS/VDS and inadvertently caused a condition that allowed a process wastewater holding tank to intermittently syphon to drain. An inspection was conducted on September 30, 2019 to review the incident with Focalplane staff and determine appropriate enforcement response.

SUMMARY OF ANNUAL PRETREATMENT BUDGET

<u>2018</u>	<u>Cost</u>	<u>2019</u>	<u>Cost</u>
<u>Staff Hours</u>		<u>Staff Hours</u>	
1041	\$70,448	1049	\$73,014

Staff Training Expenses and Registration

2019 Total Cost = \$3,214

Laboratory Costs for Non-Industrial Sampling

2019 Total Cost = \$10,488

Equipment Purchases, Repair and Maintenance

2019 Total Cost = \$115 (sampler tubing)

2019 SUMMARY OF PROGRAMS TO REDUCE POLLUTANTS FROM NON-INDUSTRIAL USERS

FOG Program and Activities

GWSD Ordinance No. 13-84 establishes the legal authority to prohibit discharge of Fats, Oils and Grease (FOG) in excess of Federal Pretreatment Standards or Local Limits, whichever is more stringent. The District's Source Control Program works in conjunction with the collection system crew to identify sections of the wastewater collection system subject to grease blockages and to establish a cleaning maintenance schedule for each section. Field observations help staff direct outreach efforts to where education and enforcement will be most effective. The District maintains a computer database in which the frequency of maintenance activities can be adjusted as needed. The District's FOG module in the ICOM3 Maintenance Program Management System aids in tracking and issuing work orders for restaurant FOG inspections.

Public Outreach

GWSD sponsored and participated in the 2019 Goleta Lemon Festival. During 2019 Goleta West Sanitary District also participated in other local community events such as the City of Goleta Public Works Day and PEP's (Postpartum Education for Parents) Touch-a-Truck event. At these events bilingual outreach materials and information are distributed to the public on the subjects of FOG, residential and restaurant grease disposal, Sanitary Sewer Overflow (SSO) prevention, disposal of unused medications and controlled substances and the District's street sweeping program. Periodically the District publishes a newsletter distributed to all ratepayers, which typically includes information on topics such as FOG Disposal, Pollution Prevention, Hazardous Waste Disposal, Disposal of Pharmaceuticals and other relevant topics.

2019 CHANGES IN BIOSOLIDS DISPOSAL / REUSE METHODS

Changes in biosolids disposal and reuse are not applicable to this sewer authority.