



March 1, 2014

THE CITY OF SAN DIEGO

Mr. David W. Gibson, Executive Officer
California Regional Water Quality Control Board
2375 Northside Drive, Suite 100
San Diego, CA 92108

Attention: Pretreatment Coordinator

Dear Mr. Gibson:

Subject: Board Order No. R9-2013-0006 NPDES Permit No. CA0109045
CY2013 Pretreatment Annual Report for the South Bay Water Reclamation Plant

The City of San Diego South Bay Water Reclamation Plant Pretreatment Program Annual Report for calendar year 2013, due March 1, 2014, is hereby submitted in accordance with the requirements of NPDES Permit No. CA0109045, adopted February 13, 2013. The Pretreatment Program operated by the City of San Diego administers the program for the entire Metropolitan Sewerage System tributary area, under a single budget and implementation strategy. Therefore, this report incorporates sections of the EW Blom Pt. Loma Pretreatment Program Annual Report relating to program budget, structure, and implementation strategy by reference. The City is committed to protecting public health and the environment through a program of environmental management, which includes source control, wastewater treatment, water reclamation, and extensive monitoring. One key element of the program is an aggressive pretreatment and pollution prevention program to minimize toxic discharges to the sewerage system.

This report includes a summary of Pretreatment Program activities and accomplishments throughout jurisdictions tributary to the South Bay Water Reclamation Plant.

Should you have any questions concerning the information provided herein, or wish to meet with City staff to discuss the report in detail, please contact Barbara Sharatz, of my staff, at (858) 654-4106.

Sincerely,

Robert Mulvey
Assistant Director of Public Utilities
Water Quality Branch

BLS:slc

cc: Amelia Whitson, Pretreatment Coordinator, EPA Region IX
Regulatory Unit, Water Quality Div., State Water Resources Control Board
Halla Razak, Director of Public Utilities, City of San Diego
Barbara Sharatz, Pretreatment Program Manager, City of San Diego
File



POTW PRETREATMENT ANNUAL REPORT

COVER SHEET

NPDES Permit Holder or Sewer Authority Name: City of San Diego
Report Date: March 1, 2014
Period Covered by This Report: January 1, 2013 to December 31, 2013
Period Covered by Previous Report: January 1, 2012 to December 31, 2012

Name of Wastewater Treatment Plant(s)

NPDES Permit Number

South Bay Water Reclamation Plant

CA 0109045

Person to contact concerning information contained in this report:

Name: Barbara Sharatz
Title: Industrial Wastewater Control Program Manager
Mailing Address: 9192 Topaz Way, MS 901D
San Diego, CA 92123-1119
Telephone No.: (858) 654-4106

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

2-27-2014

Date



Robert Mulvey

Assistant Director of Public Utilities

Title

BLS:

PRETREATMENT ANNUAL REPORT

PCS Data Entry Form

PPS1

POTW NAME: City of San Diego South Bay Water Reclamation Plant and Ocean Outfall

NPDES Permit #: CA0109045

Period Covered By This Report: 01/01/13 (PSSD) 12/31/13(PSED)
Start Date End Date

Number of Significant Industrial Users in SNC With Pretreatment Compliance Schedule: 0 (SSNC)

Number of Notices of Violation and Administrative Orders Issued Against Significant Industrial Users: 11 (FENF)

Number of Civil & Criminal Judicial Actions Against Significant Industrial Users: 0 (JUDI)

Number of Significant Industrial Users With Significant Violations Published: 1 (SVPU)

Number of Industrial Users From Which Penalties Have Been Collected: 0 (IUPN)



THE CITY OF SAN DIEGO

SOUTH BAY WATER RECLAMATION PLANT & OCEAN OUTFALL ANNUAL PRETREATMENT REPORT

NPDES PERMIT No. CA 0109045
SDRWQCB ORDER No. R9-2013-0006

JANUARY 1 – DECEMBER 31, 2013



Environmental Monitoring and Technical Services
Public Utilities Department
2392 Kincaid Road • Mail Station 45A • San Diego, CA 92101
Tel (619) 758-2310 • Fax (619) 758-2309



**CY2013 ANNUAL PRETREATMENT REPORT
FOR
SOUTH BAY WATER RECLAMATION PLANT**

I. Description of the South Bay Water Reclamation Plant and Its Service Area

The South Bay Water Reclamation Plant (SBWRP) is located on a 22.3 acre site near Dairy Mart Road and Monument Road in the eastern portion of the Tijuana River Valley. The site is approximately 300 feet north of the international boundary between Mexico and the United States and approximately 2000 feet west of the International Wastewater treatment Plant. The SBWRP treats raw wastewater collected from the southern portion of the City of San Diego, the City of Imperial Beach, the City of Chula Vista, and the unincorporated portions of south and east San Diego County, a total of approximately 44 square miles, and serves a population of nearly 107,000 people.

The plant is designed to treat up to 15 MGD of raw wastewater to secondary and/ or tertiary reclaimed water standards. All SBWRP tertiary treated wastewater in excess of reclaimed water demands is discharged to the Pacific Ocean through the South Bay Ocean Outfall (SBOO). The SBOO was constructed for shared use by the International Wastewater treatment Plant (IWTP), operated by the International Boundary and Water Commission (IBWC), and the City of San Diego's SBWRP. The SBOO extends westward approximately 23,600 feet from the mouth of the Tijuana River and terminates in a "wye" with two 1980 foot long diffusers. The IWTP currently discharges a maximum of 25 MGD of advanced primary treated wastewater from the City of Tijuana. This discharge is regulated by Regional Board Order No. 96-50 (NPDES Permit No. CA0108928). The total average design capacity of the outfall is 174 MGD with a peak hydraulic capacity of 233 MGD. The effluent from the SBWRP is combined with the effluent from the IWTP within the SBOO prior to discharge to the Pacific Ocean.

The SBWRP's primary and secondary processes consist of influent screening using mechanically cleaned bar screens, grit removal using aerated grit chambers, primary sedimentation clarifiers with chain and flight sludge collectors and tilting trough scum collectors, primary effluent flow equalization storage tanks, air activated sludge biological treatment with anoxic selector, and secondary clarifiers with chain and flight sludge collectors. The tertiary treatment process consists of filter feed pumping, coagulation with chemical addition, direct filtration with conventional deep bed mono-media filters, backwash facilities, and disinfection using ultraviolet light. Sludge processing is handled at the Point Loma Wastewater Treatment plant (PLWWTP) and the Metropolitan Biosolids Center. Solids from the SBWRP are pumped to the PLWWTP through the South Metro Interceptor.

The SBWRP began operations in CY2002, accepting an average of 3.5 MGD influent through the Grove Avenue Pump Station (GAPS). In October 2003 the Otay River Pump Station (ORPS) came on-line. The ORPS is divided into two pumping streams, with one sending high TDS flows from the Imperial Beach Sewer directly to the South Metro Interceptor influent to the Point Loma plant, and the other sending flows from the Otay Trunk Sewer and Salt Creek Trunk Sewer to the GAPS. Since start-up, the ORPS facility has been directing nearly 5 MGD to the GAPS, which combines with the more than 3 MGD GAPS flow for a total of nearly 8.1 MGD influent to the SBWRP. In that some wastewater from areas tributary to the GAP and ORPS is able to be diverted to the PLWWTP via the South Metro Interceptor, facilities tributary to the GAP and ORPS are included in Annual Pretreatment Reports for both plants.

II. Program Structure

A. Pollution Prevention Plan Requirements

No IUs have been required to prepare or implement a pollution prevention plan as the result of non-compliance.

B. Programs San Diego has implemented to reduce pollutants from industrial users not classified as SIUs

The Metropolitan Wastewater Department of San Diego controls pollutants discharged by non-SIUs and by non-industrial sources through a combination of Class 2 and 3 permits, Best Management Practice Certification programs, and Hazardous Waste Collection events and facilities throughout the Metropolitan Sewerage System service area in cooperation with contributing agencies. For details, see Chapters Two and Three of the CY2013 Annual Report for the Point Loma POTW, NPDES Permit

Permit

No. CA 0109045.

C. Pretreatment Program Changes

During CY2013, the program made the following significant changes:

The program developed and is applying the following SBWRP interim local limits in permits as they are first issued or renewed: facility-specific interim local limits for Total Dissolved Solids for non-food manufacturing SIUs; a Total Fixed Dissolved Solids limit of 1000 mg/L at food manufacturing SIUs; and a Chloride limit of 245 mg/L. If a facility exceeds these Chloride or TDS limits, they will be required to implement Best Management Practices to reduce the loading discharged to the plant to the maximum extent practicable. In FY2014, the program plans to change the current 500 mg/L Oil and Grease daily maximum limit to an instantaneous limit. There were no other significant changes in operating the pretreatment program in the areas of administrative structure, local limits, monitoring program, legal authority, enforcement policy, or funding or staffing levels.

D. Annual Pretreatment Program Budget

The pretreatment program budget is administered as a single budget for the three treatment plants in the Metropolitan Sewerage System service area. See Chapter 2 of the CY2013 Annual Report for the Point Loma POTW, NPDES Permit No. CA 0109045, for details.

III. Permit Inventory as of December 31, 2013

A. List of Deletions, Additions, and Name Changes of Significant Industrial Users during Y2013

SIU FACILITIES THAT BECAME SIUs IN 2013						Note: UT; = Extracted Groundwater Permit
Facility	Name	Class	Permit	Date	Comments	
NONE						
SIU FACILITIES THAT REPORTED A NAME CHANGE IN 2013						
IU #	TO	Class	Permit	Date	FROM	
NONE						
FORMER SIU FACILITIES THAT BECAME NON-SIUs IN 2013						
Facility	Name	Class	Permit	Date	Comments	
NONE						
SIU FACILITIES INACTIVATED IN 2013						
Facility	Name	Class	Permit	Date	Comments	
NONE						

A.1 Permit Inventory by Class and Flow

Distribution of Permits and Industrial Flows by Area Treatment Plant 6

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Class Area	1		2		2F		3		4		4C		4D		5		Total Permits	Total flow (gpd)
	Count	IW (gpd)	Count	IW (gpd)	Count	IW (gpd)	Count	IW (gpd)	Count	IW (gpd)	Count	IW (gpd)	Count	IW (gpd)	Count	IW (gpd)		
12	3	394	5	11,704	16		6	250,632	78	22,257	4		2	0	11		125	284,984
13	1	913	5	6,982	16	517	2	6,711	51	17,540	0		1	0	7		83	32,663
17	0		0		0		0		1	444	0		0		0		1	444
36	1	43,032	0		0		0		2	917	0		0		0		3	43,949
	5	44,336	10	18,686	32	517	8	257,343	132	41,158	4		3	0	18		212	362,040

B. Baseline Monitoring Reports Requested or Received in CY2013

Facility Name	Facility #	BMR Requested	BMR Received
NONE			

C. (cont.) SIU Facilities Federal Category, Process, and Pretreatment Technology by Connection Treatment Plant 6

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Facility	Permit	Name	IW Discharged (gpd)	Conn	Principle Process	Federal/ Local	CFR Part	CFR Section	Order	Pre Treat Code
13-0115	05-A	Doncasters GCE Industries	913	410					3	FILT-O
									4	O/W
									5	HAUL
36-0001	02-A	Otay Mesa Energy Center LLC	43,032	110	WetSac blowdown + OWS	Federal	423	.17	1	SETTLE
				120	PCB zero discharge	Federal	423	.17	1	ZERO
				140	Turbine washing	Federal	423	.17	1	SETTLE

D. SIU Facilities: Regulated Parameters by Connection Treatment Plant 6

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Facility	Pmt	Name	Address	Conn	Total IW (gpd)	Parmcode	City freq	Self freq	Cat	Period	Lower Limit	Upper Limit	Units
12-0038	04-B	RJ Donovan Correctional Facility	480 Alta Rd , San Diego	100	48,948	OIL/GREASE	H	H	L	DM		500	mg/L
						PH	H	H	L	DM	5	12.5	pH
12-0065	03-C	Emerald Textiles LLC	1725 Dornoch Ct , San Diego	110	67,678	OIL/GREASE	Q	Q	L	DM		500	mg/L
						PH	Q	Q	L	DM	5	12.5	pH
12-0144	04-A	AP Precision Metals	1215 30th St , San Diego	110	75	CADMIUM	Q	Q	F	DM		.11	mg/L
										MO		.07	mg/L
						CHROMIUM	Q	Q	F	DM		2.77	mg/L
										MO		1.71	mg/L
						COPPER	Q	Q	F	DM		3.38	mg/L
										MO		2.07	mg/L
						CYANIDE(T)	Q	Q	F	DM		1.2	mg/L
										MO		.65	mg/L
						LEAD	Q	Q	F	DM		.69	mg/L
										MO		.43	mg/L
						NICKEL	Q	Q	F	DM		3.98	mg/L
										MO		2.38	mg/L
						PH	Q	Q	L	DM	5	12.5	pH
						SILVER	Q	Q	F	DM		.43	mg/L
										MO		.24	mg/L
						TTO(413+433)-P	A	Q	F	DM		2130	ug/L
						ZINC	Q	Q	F	DM		2.61	mg/L
										MO		1.48	mg/L
12-0154	03-A	Heinz Frozen Foods	7878 Airway Rd , San Diego	110	62,361	CHROMIUM	Q	Q	L	DM		5	mg/L
						OIL/GREASE	M	M	L	DM		500	mg/L
						PH	M	M	L	DM	5	12.5	pH
						PH HIGHEST	N		L	DM		12.5	pH
						TEMP	M	M	F	DM		65.5	DegC
12-0202	03-A	Spec-Built Systems Inc	2150 Michael Faraday Dr , San Diego	110	30	CADMIUM	S	Q	F	DM		.11	mg/L
										MO		.07	mg/L
						CHROMIUM	S	Q	F	DM		2.77	mg/L
										MO		1.71	mg/L
						COPPER	S	Q	F	DM		3.38	mg/L
										MO		2.07	mg/L
						CYANIDE(T)	S	Q	F	DM		1.2	mg/L
										MO		.65	mg/L
						LEAD	S	Q	F	DM		.69	mg/L
										MO		.43	mg/L
						NICKEL	S	Q	F	DM		3.98	mg/L
										MO		2.38	mg/L
						PH	S	Q	L	DM	5	12.5	pH
						SILVER	S	Q	F	DM		.43	mg/L
										MO		.24	mg/L

D. (cont.) SIU Facilities: Regulated Parameters by Connection Treatment Plant 6

Report run on: February 24, 2014 5:38 PM

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Facility	Pmt	Name	Address	Conn	Total IW (gpd)	Parmcode	City freq	Self freq	Cat	Period	Lower Limit	Upper Limit	Units					
13-0115	05-A	Doncasters GCE Industries	757 Main St , Chula Vista	330	572	PH	Q	Q	L	DM	5	12.5	pH					
						PH HIGHEST	S		L	DM		12.5	pH					
						SILVER	Q	Q	F	DM		.43	mg/L					
										MO		.24	mg/L					
						TTO(413+433)-P	A	Q	F	DM		2130	ug/L					
						ZINC	Q	Q	F	DM		2.61	mg/L					
										MO		1.48	mg/L					
						410	340	CADMIUM	Q	Q	F	DM		.11	mg/L			
												MO		.07	mg/L			
				CHROMIUM	Q			Q	F	DM		2.77	mg/L					
										MO		1.71	mg/L					
				COPPER	Q			Q	F	DM		3.38	mg/L					
										MO		2.07	mg/L					
				CYANIDE(T)	Q			Q	F	DM		1.2	mg/L					
										MO		.65	mg/L					
				LEAD	Q			Q	F	DM		.69	mg/L					
								MO		.43	mg/L							
												3.98	mg/L					
								2.38	mg/L									
								5	12.5	pH								
								L	DM		12.5	pH						
								F	DM		.43	mg/L						
									MO		.24	mg/L						
								A	Q	F	DM	2130	ug/L					
								Q	Q	F	DM	2.61	mg/L					
											MO	1.48	mg/L					
36-0001	02-A	Otay Mesa Energy Center LLC	606 De La Fuente Ct , San Diego	110	43,000	CHROMIUM	Q	Q	F	DM		.2	mg/L					
						OIL/GREASE	Q	Q	L	DM		500	mg/L					
						PH	Q	Q	L	DM	5	12.5	pH					
						PH HIGHEST	N		L	DM		12.5	pH					
												S	Q	L	DM	2000	mg/L	
												Q	Q	F	DM	1	mg/L	
								140	22	COPPER	S	S	F	DM		1	mg/L	

E. Non-SIU Permits

Class	Facility	Permit	Name	Address			City	Zip	
2	12-0140	01-A	Kaiser Foundation Health Plan	4852	Palm	Av	San Diego	92154	
	12-0143	02-A	Adesa San Diego	2175	Cactus	Rd	San Diego	92154	
	12-0145	04-A	Larkspur Energy	9355	Otay Mesa	Rd	San Diego	92154	
	12-0177	01-A	Truck Net LLC	8490	Avenida De La Fuente		San Diego	92154	
	12-0254	01-A	Northwest Circuits Corp	8660	Avenida Costa Blanca		San Diego	92154	
	13-0159	03-A	SOS Metals San Diego	635	Anita	St	Chula Vista	91911	
	13-0278	03-A	Allied Waste Systems dba Allied Waste Services SD	881	Energy	Wy	Chula Vista	91911	
	13-0318	02-A	Fuller Ford	560	Auto Park	Dr	Chula Vista	91911	
	13-0327	02-A	Dresser-Rand	1675	Brandywine	Av Suite	E&F Chula Vista	91911	
	13-0399	02-A	Veolia Transportation	3850A	Main	St	Chula Vista	91911	
	10								
	3	12-0024	03-A	US Border Patrol	3752	Beyer	Bl	San Diego	92173
		12-0028	01-A	Palm Ave LLC	1835	Palm	Av	San Diego	92154
13-0298		03-A	Chula Vista Energy Center LLC	3497	Main	St	Chula Vista	91911	
13-0439		01-A	Toyota Chula Vista	650	Main	St	Chula Vista	91911	
4									
14									

F. Groundwater Permits

Class	Facility	Permit	Name	Address			City	Zip
0								

G. Dry Cleaner BMP Discharge Authorizations

Class	Facility	Permit	Name	Address			City	
4D	12-0106	02-A	Saturn Cleaners	655	Saturn	Bl Suite E	San Diego	
	12-0108	03-A	Rainbow Cleaners	2004	Dairy Mart	Rd Suite 121	San Diego	
	13-0176	01-A	Speedy Clean Specialists Inc	1327	3rd	Av	Chula Vista	
3								

H. Film Processing Silver BMP Discharge Authorizations

Class	Facility	Permit	Name	Address			City	
2F	12-0081	00-A	San Ysidro Health Center	4004	Beyer	Bl	San Diego	
	12-0100	01-A	County, George Bailey Detention	446	Alta	Rd	San Diego	
	12-0112	01-A	NAC	1330	30th	St Suite E	San Diego	
	12-0113	01-A	So San Diego Veterinary Hosp	2910	Coronado	Av	San Diego	
	12-0114	02-A	EZ Smiles Dental Care	1850	Coronado	Av	San Diego	
	12-0115	01-A	Lewis J Dorria DDS	2930	Coronado	Av	San Diego	
	12-0117	01-A	Montgomery High School	3250	Palm	Av	San Diego	
	12-0119	01-A	Jeffrey W Brown DDS	1761	Palm	Av	San Diego	
	12-0121	01-A	Jerome A Bannister DDS	4370	Palm	Av Suite C	San Diego	
	12-0122	02-A	Carlos Garcia DDS	1270	Picador	Bl Suite L-M	San Diego	
	12-0123	02-A	Southland Plaza Dental	655	Saturn	Bl Suite G	San Diego	
	12-0124	01-A	I-5 Palm Ave Medical Clinic	655	Saturn	Bl	San Diego	
	12-0125	02-A	San Ysidro Dental Care	2004	Dairy Mart	Rd	San Diego	
	12-0186	01-A	Rancho Vista Medical & Therapy Center Inc	342	W San Ysidro	Bl Suite F	San Diego	
	12-0222	01-A	Jose L Lopez DDS Inc	3490	Palm	Av Unit 1	San Diego	
	12-0231	01-A	Juvenile Detention Facility	446	Alta	Rd	San Diego	
	13-0048	02-A	Hyspan Precision Products	1685	Brandywine	Av	Chula Vista	
	13-0117	02-A	Bay Port Press	645	Marsat	St Suite D	Chula Vista	
	13-0235	01-A	Photo Max	1367	3rd	Av	Chula Vista	
	13-0249	01-A	The Pet Clinic	3326	Main	St	Chula Vista	
	13-0255	01-A	Hilltop Dentistry	11	Naples	St	Chula Vista	
	13-0256	01-A	Langford Chiropractor	4360	Main	St Suite 209	Chula Vista	
	13-0257	01-A	Robert N Woodall DDS Inc	330	Oxford	St	Chula Vista	
	13-0261	02-A	Palomar Dental Group	648	Palomar	St	Chula Vista	
	13-0333	01-A	Costco Wholesale Photo Lab # 781	1130	Broadway		Chula Vista	
	13-0355	01-A	Walgreens # 7867	1430	Eastlake	Py	Chula Vista	
	13-0379	01-A	Amazon Animal Hospital	1172	3rd	Av Suite D8	Chula Vista	
	13-0387	01-A	Perpecta Dental Group	314	Palomar	St	Chula Vista	
	13-0388	01-A	Palomar Dental Group	664	Palomar	St Suite 1103	Chula Vista	
	13-0414	01-A	Walgreens # 2623	1111	3rd	Av	Chula Vista	
	13-0442	01-A	Wal-Mart # 3516	1360	Eastlake	Py	Chula Vista	
	13-0456	01-A	East Lake Plaza Dental	2060	Otay Lakes	Rd Suite 230	Chula Vista	
32								

IV. SIU Compliance and Enforcement

A. Annual Compliance Summary

During CY2013 the program administered 9 SIU permits, covering 10 outfalls and monitored at 11 sample points. No facilities or outfalls were in SNC during the year. These facilities are included in the calculation of the Metro System annual Significant Non-Compliance Rate reported in the CY2013 Pretreatment Annual Report for the Point Loma POTW, Board Order No. R9-2013-000 NPDES Permit No. CA0109045.

B. Characterization of the Compliance Status of Each SIU

The Annual SIU Compliance Status Report for CY2013, which follows this page, lists the industry name, address, permit number, permit class; industrial flow by connection; violation dates and descriptions, if applicable; discharge standard and period, and actual value resulting in the violation; whether the violation exceeded the TRC; and whether the industry has been in Significant Non-Compliance (SNC) at any time during the year.

C. SIU Enforcement Actions Initiated, Continued, or Finalized in CY2013

Doncasters GCE Industries; IU # 13-0115

This sheet metal fabricator of components for stationary turbine power units discharges about 900 gpd from associated metal finishing operations, including 340 gpd to Connection 410 from dye penetrant testing and water jet cutting. A single sample at Connection 410 in October exceeded the daily maximum and monthly average for chromium and resulted in SNC status for the fourth quarter. NOVs were issued for the violations and in its response the IU indicated it had not changed out its filter media frequently enough to meet the demand of production levels and would implement a bi-monthly change out going forward. Additional program monitoring is scheduled for the first half of 2014 to confirm whether this is sufficient to ensure compliance.

D. Public Information and Involvement

Each year, a combined list of all facilities in the Metropolitan Sewerage System service area that were in SNC at any time during the year is published in the Union Tribune; this list is included in Chapter 4 of the CY2013 Annual Report for the Point Loma POTW NPDES Permit No. CA0109045.

In CY2013, the following SIUs discharging tributary to the SBWRP were in Significant Non-Compliance:

Name	Address	Pollutant in Violation
Doncasters GCE Industries	757 Main St, Chula Vista	chromium ¹ , nickel ¹

¹ SNC due to a single sample in violation for the pollutant listed

III B. Annual SIU Compliance Status Report

01-Jan-2013 through 31-Dec-2013

SIU Name	IU#	Class	IW Disch	SNC?	[If Yes, Why]	Conn	Violation Date	Description/Parameter	Value	Limit	Period	Cat	TRC
AP Precision Metals 1215 30th St, San Diego	12-0144	1	75	No		NA							
Circle Foods LLC 8411 Siempre Viva Rd, San Diego	12-0220	3	59574	No		110	29-Aug-13	Oil and grease, Total	579	500	DM	L	N
						110	30-Sep-13	SMR Incomplete - failed notify in 24 hrs					
						110	17-Oct-13	Oil and grease, Total	567	500	DM	L	N
Doncasters GCE Industries 757 Main St, Chula Vista	13-0115	1	913	Yes	SNC2 - TRC (MO): Cr 1/3,Ni 1/3(q4)	410	01-Oct-13	Chromium, Total	4.81	1.71	MO	F	Y
						410	01-Oct-13	Nickel, Total	10.8	2.38	MO	F	Y
						410	29-Oct-13	Chromium, Total	4.81	2.77	DM	F	Y
						410	29-Oct-13	Nickel, Total	10.8	3.98	DM	F	Y
Emerald Textiles LLC 1725 Dornoch Ct, San Diego	12-0065	3	67703	No		NA							
Harcon Precision Metals Inc 1790 Dornoch Ct, San Diego	12-0244	1	286	No		110	28-Jan-13	SMR Incomplete					
Heinz Frozen Foods 7878 Airway Rd, San Diego	12-0154	3	62411	No		110	05-Feb-13	Oil and grease, Total	1150	500	DM	L	Y
Otay Mesa Energy Center LLC 606 De La Fuente Ct, San Diego	36-0001	1	43032	No		NA							
RJ Donovan Correctional Facility 480 Alta Rd, San Diego	12-0038	3	48948	No		NA							

Annual SIU Compliance Status Report

01-Jan-2013 through 31-Dec-2013

SIU Name	IU#	Class	IW Disch	SNC?	[If Yes, Why]	Conn	Violation Date	Description/Parameter	Value	Limit	Period	Cat	TRC
Spec-Built Systems Inc 2150 Michael Faraday Dr, San Diego	12-0202	1	26	No		110	10-Aug-12	pH-Instantaneous	6.8				
						110	16-Nov-12	Cadmium, Total	.1			N	
						110	16-Nov-12	Lead, Total	.5			N	
						110	16-Nov-12	Silver, Total	.5				
						110	28-Jan-13	SMR Incomplete					
						110	09-Sep-13	Silver, Total	1				
						110	05-Nov-13	SMR Incomplete					

E. NOVs Issued and Violation Fees Billed

Wed Feb 26

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SBWRP SIU NOV Summary for 2013

Name	FACILIT	Conn	NOV	Identified	Action	Viol_Date	Fee	Level
Circle Foods LLC	12-0220	110	72038	30-SEP-13	01-OCT-13	29-AUG-13	\$50	Notice only
			72821	02-DEC-13	02-DEC-13	18-OCT-13	\$100	Initial notice
	*****		-----	*****	*****	-----		
	count			2				
	sum					\$150		
Doncasters GCE Industries	13-0115	410	72365	18-NOV-13	18-NOV-13	29-OCT-13	\$100	Initial notice
					09-DEC-13	29-OCT-13	\$0	Second notice
	*****		-----	*****	*****	-----		
	count			2				
	sum					\$100		
Harcon Precision Metals Inc	12-0244	110	69186	28-JAN-13	28-JAN-13		\$50	Notice only
	*****		-----	*****	*****	-----		
	count			1				
	sum					\$50		
Heinz Frozen Foods	12-0154	110	69940	18-MAR-13	18-MAR-13	05-FEB-13	\$100	Initial notice
	*****		-----	*****	*****	-----		
	count			1				
	sum					\$100		
RJ Donovan Correctional Facility	12-0038	100	69243	28-JAN-13	28-JAN-13	04-DEC-12	\$100	Initial notice
	*****		-----	*****	*****	-----		
	count			2				
	sum					\$75		Second notice
Spec-Built Systems Inc	12-0202	110	69185	28-JAN-13	06-FEB-13	16-NOV-12	\$50	Notice only
			69691	07-FEB-13	08-FEB-13	10-AUG-12	\$50	Notice only
			72267	05-NOV-13	18-NOV-13	09-SEP-13	\$100	Final notice
	*****		-----	*****	*****	-----		
	count			3				
		sum					\$200	
*****		-----	*****	*****	-----			
count			11					
	sum					\$775		

11 rows selected.

Sampling at SIUs Discharging to Treatment Plant 6
between 01-JAN-13 and 31-DEC-13

Report run on: February 24, 2014 5:50 PM

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Facility	Pmt	Name	Conn	Principle Process	Pmt Include	Parmcode	City Samples	Self Samples
12-0038	04-B	RJ Donovan Correctional Facility	100	Prison Sewer Main	L	COD	4	6
						OIL/GREASE	4	6
						PH	4	6
						TSS	4	6
12-0065	03-C	Emerald Textiles LLC	110	Commercial Laundry	L	COD	4	4
						FLOW		12
						FLOW MAX		12
						OIL/GREASE	4	4
						PH	4	4
						TSS	4	4
12-0144	04-A	AP Precision Metals	110	Metal Coating (Iron Phosphating)	F	CADMIUM	4	4
						CHROMIUM	4	4
						COPPER	4	4
						CYANIDE(T)	4	4
						FLOW		4
						FLOW MAX		3
						LEAD	4	4
						NICKEL	4	4
						PH	4	4
						SILVER	4	4
						TTO CERT		4
						TTO(413+433)-P	1	
						ZINC	4	4
						12-0154	03-A	Heinz Frozen Foods
COD	12	11						
FLOW		11						
FLOW MAX		11						
FLOW		11						
TOTIMPORTED								
FLOWMETER READ	12	11						
1								
FLOWMETER READ	12	11						
2								
OIL/GREASE	24	11						
PH	24	11						
PH HIGHEST								
PH LOWEST								
TDS	12							
TEMP	12	11						

Sampling at SIUs Discharging to Treatment Plant 6
between 01-JAN-13 and 31-DEC-13

Report run on: February 24, 2014 5:50 PM

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Facility	Pmt	Name	Conn	Principle Process	Pmt Include	Parmcode	City Samples	Self Samples
12-0154	03-A	Heinz Frozen Foods	110			TSS	12	11
12-0202	03-A	Spec-Built Systems Inc	110	Iron Phosphating	F	CADMIUM	3	3
						CHROMIUM	3	3
						COPPER	3	3
						CYANIDE(T)	3	3
						FLOW		4
						FLOW MAX		
						LEAD	3	3
						NICKEL	3	2
						PH	3	3
						SILVER	3	3
						TTO CERT		4
						TTO(413+433)-P	1	
						ZINC	3	3
12-0220	02-A	Circle Foods LLC	110	Food manufacturing	L	COD	15	13
						FLOW		12
						FLOW MAX		12
						OIL/GREASE	45	13
						PH	36	13
						PH HIGHEST		
						PH LOWEST		
						TEMP	46	13
						TSS	15	13
12-0244	01-C	Harcon Precision Metals Inc	110	Chemical conversion coating & water Jet	F	CADMIUM	2	3
						CHROMIUM	2	3
						COD	2	3
						COPPER	2	3
						CYANIDE(T)	2	3
						FLOW		2
						FLOW MAX		2
						LEAD	2	3
						NICKEL	2	3
						PH	2	3
						PH HIGHEST	2	
						PH LOWEST	2	
						SILVER	2	3
						TSS	2	3
						TTO CERT		2
						TTO(413+433)-P	1	2

Sampling at SIUs Discharging to Treatment Plant 6
between 01-JAN-13 and 31-DEC-13

Report run on: February 24, 2014 5:50 PM

Facility	Pmt	Name	Conn	Principle Process	Pmt Include	Parmcode	City Samples	Self Samples
12-0244	01-C	Harcon Precision Metals Inc	110			ZINC	2	3
12-0275	01-A	Jensen Meat Company Inc	110	Meat processing, cleaning/sanitizing	L	CHLORIDE COD FLOW FLOW MAX OIL/GREASE PH RAIN DIVERT CERT TFDS TSS		
13-0115	05-A	Doncasters GCE Industries	200	Bldg 2 Lateral, 1887 Nirvana Av	L	ZERODISCHRG CERT		4
			300	Bldg 3 Lateral, 757 Main St	L			
			330	Dye Pen / Vibra Clean	F	CADMIUM CHROMIUM COPPER CYANIDE(T) FLOW FLOW MAX LEAD NICKEL PH PH HIGHEST PH LOWEST SILVER TTO CERT TTO(413+433)-P ZINC	4 4 4 4 4 4 4 2 2 4 1 4	4 4 4 4 4 4 4 4 4 1 4
			410	Dye Pen / Water Jet Cutting	F	CADMIUM CHROMIUM COPPER CYANIDE(T) FLOW FLOW MAX LEAD NICKEL PH PH HIGHEST PH LOWEST	4 4 4 4 4 4 4 2 2	4 4 4 3 4 4 4 4

Sampling at SIUs Discharging to Treatment Plant 6
between 01-JAN-13 and 31-DEC-13

Report run on: February 24, 2014 5:50 PM

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<i>Facility</i>	<i>Pmt</i>	<i>Name</i>	<i>Conn</i>	<i>Principle Process</i>	<i>Pmt Include</i>	<i>Parmcode</i>	<i>City Samples</i>	<i>Self Samples</i>
13-0115	05-A	Doncasters GCE Industries	410			SILVER	4	4
						TTO CERT		4
						TTO(413+433)-P	1	1
36-0001	02-A	Otay Mesa Energy Center LLC	110	WetSac blowdown + OWS	F	ZINC	4	4
						CHROMIUM	3	4
						FLOW		4
						FLOW MAX		4
						OIL/GREASE	3	4
						PH	3	4
						PH HIGHEST		
						PH LOWEST		
						TDS	3	4
						ZINC	3	4
						ZERODISCHRG		4
						CERT		
						COPPER	1	1
FLOW		2						
FLOW MAX		1						
			120	PCB zero discharge	F			4
			140	Turbine washing	F			

TTO Sampling at SIUs discharging to Treatment Plant 6
between 01-Jan-13 and 31-Dec-13

Report run on: February 28, 2014 12:55 PM

Page 1

Facility	Pmt	Name	Conn	Principle Process	Batch	City TTO Samples	Self TTO Samples	Self Certification
12-0144	04-A	AP Precision Metals	110	Metal Coating (Iron Phosphating)	N	1		4
12-0202	02-A	Spec-Built Systems Inc	110	Iron Phosphating	N	1		4
12-0244	01-C	Harcon Precision Metals Inc	110	Chemical conversion coating & water Jet	N	1	2	2
13-0115	05-A	Doncasters GCE Industries	330	Dye Pen / Vibra Clean	N	1		4
			410	Dye Pen / Water Jet Cutting	N	1		4

IV. Pretreatment Program Effectiveness

A. Summary of analytical results from representative flow-proportioned, 24-hour composite sampling of the SBWRP influent and effluent for those pollutants that the USEPA has identified under Section 307(a) of the CWA, and which are known or suspected to be discharged by industrial users. The summary must include a full priority pollutant scan.

Tables II.A-1 and II.A-2, below, summarize influent and effluent heavy metal loadings by month.

Pages 19 through 60 provide results for all influent and effluent pollutant monitoring during CY2013. These reports were extracted from the South Bay Treatment Plant and Ocean Outfall Annual Report. The summary includes a full priority pollutant scan.

**TABLE II.A-1
SOUTH BAY WATER RELAMATION PLANT INFLUENT HEAVY METALS
Average Concentration and Loadings for 2013**

Month	Flow MGD	Cd ug/L	Cr ug/L	Cu ug/L	Pb ug/L	Ni ug/L	Ag ug/L	Zn ug/L
MDL(ug/L)		0.53	1.2	2	2	0.53	0.40	2.50
Jan	8.02	0	2.2	68	0	3.8	0	127
Feb	8.17	0	2.9	94	3	5.2	0.5	141
Mar	8.18	0	2.4	103	7	4.6	0	160
Apr	8.22	0	2.3	108	0	6.5	0	159
May	8.21	0	3.3	109	0	7.93	0.5	217
Jun	8.10	0	4.2	71	2	11.9	0	166
Jul	8.14	0	10.0	105	4	19.4	0	352
Aug	8.19	0	4.8	95	3	11.9	0.8	188
Sep	8.05	0.6	5	124	0	13.6	0.5	210
Oct	7.89	0	3.1	97	0	7.7	0	172
Nov	7.91	0	9	96	4	16.8	1	162
Dec	7.86	0.0	3.3	104	0	6.6	0.0	174
Avg Flow	8.08							
Avg ug/L		0.1	4.4	98	1.9	10	0.3	186
LBS/day		0.0	0.3	7	0.1	1	0.0	13
Total lb HM	20.20							
Total lb (-)Ag	20.18							

**TABLE II.A-2
SOUTH BAY WATER RELAMATION PLANT EFFLUENT HEAVY METALS
Average Concentration and Loadings for 2013**

Month	Flow MGD	Cd ug/L	Cr ug/L	Cu ug/L	Pb ug/L	Ni ug/L	Ag ug/L	Zn ug/L
MDL(ug/L)		0.53	1.2	2	2	0.53	0.40	2.50
Jan	8.02	0	0	9	0	4.8	0.4	19
Feb	8.17	0	0	13	2	4.7	0	37
Mar	8.18	0	0	11	0	5.2	0	40
Apr	8.22	0	1.5	14	0	6.2	0	34
May	8.21	0	0	12	0	5.7	0	59
Jun	8.10	0	3.5	10	0	10.6	0	30
Jul	8.14	0	0	11	0	6.4	0	26
Aug	8.19	0	0	10	0	4.4	0	33
Sep	8.05	0	2	10	0	11.6	0	37
Oct	7.89	0	2.8	9	0	6.5	0	42
Nov	7.91	0	8	10	3	14.2	0	28
Dec	7.86	0	0	10	0	5.0	0	36
Avg Flow	8.08							
Avg ug/L		0.0	1.5	11	0.4	7.1	0.0	35
LBS/day		0.0	0.1	0.7	0.0	0.5	0.0	2
Total lb HM	3.7							
Total lb (-)Ag	3.7							

SOUTH BAY WATER RECLAMATION PLANT
SEWAGE INFLUENT and EFFLUENT

Annual 2013

Biochemical Oxygen Demand Concentration
(24-hour composite)

Month/ Units:	Influent Flow (MGD)	Daily Influent Value (mg/L)	Daily Influent Value (lbs/Day)	Effluent Flow (MGD)	Daily Effluent Value (mg/L)	Daily Effluent Value (lbs/Day)	Percent Removal BOD (%)
JANUARY -2013	8.02	324	21671	5.95	14	695	95.7
FEBRUARY -2013	8.17	291	19828	5.85	11	537	96.2
MARCH -2013	8.18	295	20125	4.97	15	622	94.9
APRIL -2013	8.22	308	21115	3.49	11	320	96.4
MAY -2013	8.21	317	21705	2.80	10	234	96.8
JUNE -2013	8.10	323	21820	1.09	15	136	95.4
JULY -2013	8.14	319	21656	1.14	15	143	95.3
AUGUST -2013	8.19	301	20560	0.89	8	59	97.3
SEPTEMBER-2013	8.05	301	20208	0.89	6	45	98.0
OCTOBER -2013	7.89	297	19543	2.24	16	299	94.6
NOVEMBER -2013	7.91	299	19725	4.34	6	217	98.0
DECEMBER -2013	7.86	322	21108	5.01	11	460	96.6
Average	8.08	308	20755	3.22	12	314	96.3

Annual Mass Emissions are calculated from monthly averages of flow for BOD, whereas Monthly Report average mass emissions are calculated from average daily mass emissions.

ND=not detected
NA=not analyzed

SOUTH BAY WATER RECLAMATION PLANT

Annual 2013

Effluent to Ocean Outfall
(SB_OUTFALL_01)

Analyte:	Flow	pH	Settleable Solids	Biochemical Oxygen Demand	Total Suspended Solids	Volatile Suspended Solids	Total Dissolved Solids
Units:	(mgd)	(pH)	(ml/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
JANUARY -2013	5.95	7.45	ND	14	2.9	2.4	1010
FEBRUARY -2013	5.85	7.36	ND	11	3.3	2.8	962
MARCH -2013	4.97	7.33	ND	15	6.4	5.7	1010
APRIL -2013	3.49	7.35	ND	11	5.4	4.7	993
MAY -2013	2.80	7.37	ND	10	7.5	6.4	1080
JUNE -2013	1.09	7.43	ND	15	6.9	6.1	1110
JULY -2013	1.14	7.46	ND	15	6.2	5.4	1050
AUGUST -2013	0.89	7.43	ND	8	5.2	4.6	1170
SEPTEMBER-2013	0.89	7.46	ND	6	4.5	3.9	918
OCTOBER -2013	2.24	7.39	ND	16	5.6	5.0	975
NOVEMBER -2013	4.34	7.37	ND	6	4.6	3.9	879
DECEMBER -2013	5.01	7.39	ND	11	6.6	6.1	902
Average	3.22	7.40	ND	12	5.4	4.8	1005

Analyte:	Oil & Grease	Outfall Temperature	Residual Chlorine	Turbidity	Dissolved Oxygen
Units:	(mg/L)	(°C)	(mg/L)	(NTU)	(mg/L)
JANUARY -2013	1.8	22.2	0.05	2.17	2.89
FEBRUARY -2013	<1.2	21.9	0.05	2.36	2.31
MARCH -2013	2.4	22.8	0.05	3.31	2.91
APRIL -2013	<1.2	23.8	0.05	2.66	1.95
MAY -2013	1.2	24.4	0.05	3.45	4.80
JUNE -2013	1.9	25.9	0.06	3.60	2.72
JULY -2013	2.2	26.6	0.07	3.19	2.38
AUGUST -2013	2.1	27.1	0.06	2.25	2.51
SEPTEMBER-2013	2.7	27.3	0.05	2.21	3.25
OCTOBER -2013	2.2	25.9	0.05	3.03	1.74
NOVEMBER -2013	4.1	24.9	0.05	2.26	2.42
DECEMBER -2013	2.9	23.1	0.03	3.36	2.42
Average	2.0	24.7	0.05	2.82	2.69

ND=not detected
NR=not required

SOUTH BAY WATER RECLAMATION PLANT

Annual 2013

Influent to Plant
(SB_INF_02)

Analyte:	Flow	pH	Total Dissolved Solids	Biochemical Oxygen Demand	Total Suspended Solids	Volatile Suspended Solids	Turbidity
Units:	(mgd)	(pH)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(NTU)
JANUARY -2013	8.02	NR	1050	324	279	249	165
FEBRUARY -2013	8.17	7.78	1010	291	268	237	164
MARCH -2013	8.18	NR	1040	295	272	244	181
APRIL -2013	8.22	NR	1040	308	276	243	176
MAY -2013	8.21	7.70	1060	317	291	256	185
JUNE -2013	8.10	NR	1070	323	289	254	184
JULY -2013	8.14	NR	1050	319	293	258	190
AUGUST -2013	8.19	7.85	1090	301	279	245	183
SEPTEMBER-2013	8.05	NR	965	301	300	267	188
OCTOBER -2013	7.89	7.46	953	297	278	247	182
NOVEMBER -2013	7.91	NR	955	299	289	257	172
DECEMBER -2013	7.86	NR	986	322	311	284	183
Average	8.08	7.70	1022	308	285	253	179

ND=not detected
NR=not required

SOUTH BAY WATER RECLAMATION PLANT
ANNUAL SEWAGE

Trace Metals

Annual 2013

Analyte:	Aluminum	Aluminum	Antimony	Antimony	Arsenic	Arsenic
MAX MDL Units:	47 UG/L	47 UG/L	2.9 UG/L	2.9 UG/L	.4 UG/L	.4 UG/L
Source:	Influent	Effluent	Influent	Effluent	Influent	Effluent
Month/Limit:					2800	
JANUARY -2013	695	72	ND	ND	0.8	0.6
FEBRUARY -2013	1060	81	ND	ND	0.7	0.5
MARCH -2013	1050	65	ND	3.4	0.9	0.7
APRIL -2013	689	52	ND	ND	1.1	0.9
MAY -2013	968	137	ND	ND	1.1	0.7
JUNE -2013	569	59	ND	ND	1.0	0.8
JULY -2013	1010	104	3.7	ND	1.9	0.7
AUGUST -2013	771	95	ND	ND	1.3	0.7
SEPTEMBER-2013	1040	66	ND	ND	1.0	0.6
OCTOBER -2013	712	<47	6.1	ND	0.9	0.6
NOVEMBER -2013	429	ND	ND	ND	1.1	1.0
DECEMBER -2013	798	ND	ND	ND	1.0	0.6
AVERAGE	816	61	0.8	0.3	1.1	0.7

Analyte:	Barium	Barium	Beryllium	Beryllium	Boron	Boron
MAX MDL Units:	.039 UG/L	.039 UG/L	.022 UG/L	.022 UG/L	7 UG/L	7 UG/L
Source:	Influent	Effluent	Influent	Effluent	Influent	Effluent
Month/Limit:						
JANUARY -2013	65.2	48.2	ND	ND	284	288
FEBRUARY -2013	68.8	47.3	ND	ND	269	301
MARCH -2013	73.5	49.1	ND	ND	271	304
APRIL -2013	78.7	53.9	ND	ND	292	298
MAY -2013	100.0	63.6	ND	ND	299	331
JUNE -2013	94.5	59.1	ND	ND	286	296
JULY -2013	138.0	59.4	ND	ND	294	285
AUGUST -2013	90.3	59.0	ND	ND	281	292
SEPTEMBER-2013	93.9	52.9	ND	ND	321	289
OCTOBER -2013	87.0	61.6	0.060	ND	263	286
NOVEMBER -2013	104.0	54.6	ND	ND	233	254
DECEMBER -2013	97.1	58.8	ND	ND	304	274
AVERAGE	90.9	55.6	0.005	ND	283	292

Analyte:	Cadmium	Cadmium	Chromium	Chromium	Cobalt	Cobalt
MAX MDL Units:	.53 UG/L	.53 UG/L	1.2 UG/L	1.2 UG/L	.85 UG/L	.85 UG/L
Source:	Influent	Effluent	Influent	Effluent	Influent	Effluent
Month/Limit:	48		760			
JANUARY -2013	ND	ND	2.2	ND	NR	ND
FEBRUARY -2013	ND	ND	2.9	ND	ND	ND
MARCH -2013	ND	ND	2.4	ND	NR	ND
APRIL -2013	ND	ND	2.3	1.5	NR	ND
MAY -2013	ND	ND	3.3	<1.2	ND	ND
JUNE -2013	ND	ND	4.2	3.5	NR	ND
JULY -2013	ND	ND	10.0	<1.2	NR	ND
AUGUST -2013	ND	ND	4.8	ND	ND	ND
SEPTEMBER-2013	0.60	ND	5.0	2.0	NR	ND
OCTOBER -2013	ND	ND	3.1	2.8	ND	ND
NOVEMBER -2013	ND	ND	9.0	8.0	NR	ND
DECEMBER -2013	ND	ND	3.3	ND	NR	ND
AVERAGE	0.05	ND	4.4	1.5	ND	ND

ND= not detected
NR= not requested

SOUTH BAY WATER RECLAMATION PLANT
ANNUAL SEWAGE

Trace Metals

Annual 2013

Analyte:	Copper	Copper	Iron	Iron	Lead	Lead
MAX MDL Units:	2 UG/L	2 UG/L	37 UG/L	37 UG/L	2 UG/L	2 UG/L
Source:	Influent	Effluent	Influent	Effluent	Influent	Effluent
Month/Limit:	960				760	
=====						
JANUARY -2013	68	9	722	85	ND	ND
FEBRUARY -2013	94	13	625	104	3.0	2.0
MARCH -2013	103	11	920	ND	7.0	ND
APRIL -2013	108	14	612	42	ND	ND
MAY -2013	109	12	1010	95	ND	ND
JUNE -2013	71	10	697	60	2.0	ND
JULY -2013	105	11	11200	54	4.3	ND
AUGUST -2013	95	10	683	73	3.0	ND
SEPTEMBER-2013	124	10	776	52	ND	ND
OCTOBER -2013	97	9	584	64	ND	ND
NOVEMBER -2013	96	10	704	54	4.0	3.0
DECEMBER -2013	104	10	691	56	ND	ND
=====						
AVERAGE	98	11	1602	62	1.9	0.4

Analyte:	Manganese	Manganese	Mercury	Mercury	Molybdenum	Molybdenum
MAX MDL Units:	.24 UG/L	.24 UG/L	.005 UG/L	.005 UG/L	.89 UG/L	.89 UG/L
Source:	Influent	Effluent	Influent	Effluent	Influent	Effluent
Month/Limit:			15.00			
=====						
JANUARY -2013	89.1	50.6	0.102^	0.002^	NR	2.7
FEBRUARY -2013	83.4	25.3	0.096^	0.002^	6.3	5.2
MARCH -2013	94.0	19.8	0.093*	0.0014*	NR	3.3
APRIL -2013	104	20.9	0.131	ND	NR	1.7
MAY -2013	107	16.2	0.100	0.001	7.0	3.3
JUNE -2013	80.7	37.2	0.140	0.009	NR	2.0
JULY -2013	115	38.6	0.620	0.005	NR	3.6
AUGUST -2013	68.7	36.4	0.152	0.006	8.9	6.1
SEPTEMBER-2013	74.6	20.3	ND	ND	NR	4.7
OCTOBER -2013	75.6	14.7	0.109	ND	5.6	2.7
NOVEMBER -2013	55.3	23.6	0.034	ND	NR	4.2
DECEMBER -2013	64.2	13.0	0.214	ND	NR	2.4
=====						
AVERAGE	84.3	26.4	0.154	0.002	7.0	3.5

^ Analyzed by method CVAf_1631E.

*= This batch did not meet QC criteria for this analyte. The %RSD of the sample and the duplicate are 33% and 31% respectively, these values are above the acceptable limit of 25%.

ND= not detected
NR= not requested

SOUTH BAY WATER RECLAMATION PLANT
ANNUAL SEWAGE

Trace Metals

Annual 2013

Analyte:	Nickel	Nickel	Selenium	Selenium	Silver	Silver
MAX MDL Units:	.53 UG/L	.53 UG/L	.28 UG/L	.28 UG/L	.4 UG/L	.4 UG/L
Source:	Influent	Effluent	Influent	Effluent	Influent	Effluent
Month/Limit:		1900		5700		250
=====						
JANUARY -2013	3.84	4.80	1.07	0.33	ND	0.4
FEBRUARY -2013	5.21	4.66	1.32	0.39	0.5	ND
MARCH -2013	4.64	5.20	1.08	0.55	ND	ND
APRIL -2013	6.53	6.16	1.59	0.75	ND	ND
MAY -2013	7.93	5.73	1.60	0.60	0.5	ND
JUNE -2013	11.90	10.60	1.65	0.93	ND	ND
JULY -2013	19.40	6.38	2.28	0.84	ND	ND
AUGUST -2013	11.90	4.43	1.73	0.69	0.8	ND
SEPTEMBER-2013	13.60	11.60	1.50	0.53	0.5	ND
OCTOBER -2013	7.69	6.48	1.72	0.65	ND	ND
NOVEMBER -2013	16.80	14.20	0.97	0.61	1.0	ND
DECEMBER -2013	6.58	5.02	1.63	0.53	ND	ND
=====						
AVERAGE	9.67	7.11	1.51	0.62	0.3	0.0

Analyte:	Thallium	Thallium	Vanadium	Vanadium	Zinc	Zinc
MAX MDL Units:	3.9 UG/L	3.9 UG/L	.64 UG/L	.64 UG/L	2.5 UG/L	2.5 UG/L
Source:	Influent	Effluent	Influent	Effluent	Influent	Effluent
Month/Limit:						6900
=====						
JANUARY -2013	ND	ND	NR	0.81	127	18.5
FEBRUARY -2013	ND	ND	2.2	ND	141	37.0
MARCH -2013	ND	ND	NR	0.80	160	40.3
APRIL -2013	ND	ND	NR	0.92	159	34.2
MAY -2013	ND	ND	2.4	<0.64	217	59.0
JUNE -2013	ND	ND	NR	1.40	166	30.1
JULY -2013	4.5	<3.9	NR	ND	352	25.6
AUGUST -2013	ND	ND	ND	ND	188	32.8
SEPTEMBER-2013	ND	ND	NR	ND	210	37.0
OCTOBER -2013	10.4	ND	2.1	0.85	172	41.7
NOVEMBER -2013	ND	ND	NR	0.70	162	28.0
DECEMBER -2013	4.9	ND	NR	1.21	174	35.5
=====						
AVERAGE	1.7	0.0	1.7	0.56	186	35.0

ND= not detected
NR= not requested

SOUTH BAY WATER RECLAMATION PLANT
Priority Pollutants Base/Neutral Compounds, EPA Method 625

Annual 2013

Source:		SB_OUTFALL_01	SB_OUTFALL_01	SB_OUTFALL_01	SB_OUTFALL_01
Date:		05-FEB-2013	07-MAY-2013	06-AUG-2013	01-OCT-2013
Analyte	MDL Units	P649728	P661196	P671203	P677743
Acenaphthene	1.8 UG/L	ND	ND	ND	ND
Acenaphthylene	1.77 UG/L	ND	ND	ND	ND
Anthracene	1.29 UG/L	ND	ND	ND	ND
Benzidine	1.52 UG/L	ND	ND	ND	ND
Benzo[a]anthracene	1.1 UG/L	ND	ND	ND	ND
3,4-Benzo(b)fluoranthene	1.35 UG/L	ND	ND	ND	ND
Benzo[k]fluoranthene	1.49 UG/L	ND	ND	ND	ND
Benzo[a]pyrene	1.25 UG/L	ND	ND	ND	ND
Benzo[g,h,i]perylene	1.09 UG/L	ND	ND	ND	ND
4-Bromophenyl phenyl ether	1.4 UG/L	ND	ND	ND	ND
Bis-(2-chloroethoxy) methane	1.01 UG/L	ND	ND	ND	ND
Bis-(2-chloroethyl) ether	1.38 UG/L	ND	ND	ND	ND
Bis-(2-chloroisopropyl) ether	1.16 UG/L	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	1.57 UG/L	ND	ND	ND	ND
2-Chloronaphthalene	1.87 UG/L	ND	ND	ND	ND
Chrysene	1.16 UG/L	ND	ND	ND	ND
Dibenzo(a,h)anthracene	1.01 UG/L	ND	ND	ND	ND
Butyl benzyl phthalate	2.84 UG/L	ND	ND	ND	ND
Di-n-butyl phthalate	3.96 UG/L	ND	ND	ND	ND
Bis-(2-ethylhexyl) phthalate	8.96 UG/L	ND	ND	ND	ND
Diethyl phthalate	3.05 UG/L	ND	ND	ND	ND
Dimethyl phthalate	1.44 UG/L	ND	ND	ND	ND
Di-n-octyl phthalate	1 UG/L	ND	ND	ND	ND
3,3-Dichlorobenzidine	2.44 UG/L	ND	ND	ND	ND
2,4-Dinitrotoluene	1.36 UG/L	ND	ND	ND	ND
2,6-Dinitrotoluene	1.53 UG/L	ND	ND	ND	ND
1,2-Diphenylhydrazine	1.37 UG/L	ND	ND	ND	ND
Fluoranthene	1.33 UG/L	ND	ND	ND	ND
Fluorene	1.61 UG/L	ND	ND	ND	ND
Hexachlorobenzene	1.48 UG/L	ND	ND	ND	ND
Hexachlorobutadiene	1.64 UG/L	ND	ND	ND	ND
Hexachlorocyclopentadiene	1.25 UG/L	ND	ND	ND	ND
Hexachloroethane	1.32 UG/L	ND	ND	ND	ND
Indeno(1,2,3-CD)pyrene	1.14 UG/L	ND	ND	ND	ND
Isophorone	1.53 UG/L	ND	ND	ND	ND
Naphthalene	1.65 UG/L	ND	ND	ND	ND
Nitrobenzene	1.6 UG/L	ND	ND	ND	ND
N-nitrosodimethylamine	1.27 UG/L	ND	ND	ND	ND
N-nitrosodi-n-propylamine	1.16 UG/L	ND	ND	ND	ND
N-nitrosodiphenylamine	3.48 UG/L	ND	ND	ND	ND
Phenanthrene	1.34 UG/L	ND	ND	ND	ND
Pyrene	1.43 UG/L	ND	ND	ND	ND
1,2,4-Trichlorobenzene	1.52 UG/L	ND	ND	ND	ND
Polynuc. Aromatic Hydrocarbons	1.77 UG/L	0.0	0.0	0.0	0.0
Base/Neutral Compounds	8.96 UG/L	0.0	0.0	0.0	0.0

Additional analytes determined

Benzo[e]pyrene	1.44 UG/L	ND	ND	ND	ND
Biphenyl	2.29 UG/L	ND	ND	ND	ND
2,6-Dimethylnaphthalene	2.16 UG/L	ND	ND	ND	ND
1-Methylnaphthalene	2.18 UG/L	ND	ND	ND	ND
1-Methylphenanthrene	1.46 UG/L	ND	ND	ND	ND
2-Methylnaphthalene	2.14 UG/L	ND	ND	ND	ND
2,3,5-Trimethylnaphthalene	2.18 UG/L	ND	ND	ND	ND
Perylene	1.41 UG/L	ND	ND	ND	ND
Pyridine	3.33 UG/L	ND	ND	ND	ND

SOUTH BAY WATER RECLAMATION PLANT
Priority Pollutants Base/Neutral Compounds, EPA Method 625

Annual 2013

Source:			SB_ITP_COMB_EFF	SB_ITP_COMB_EFF	SB_ITP_COMB_EFF	SB_ITP_COMB_EFF
Date:			05-FEB-2013	09-MAY-2013	06-AUG-2013	01-OCT-2013
Analyte	MDL	Units	P649733	P661201	P671208	P677748
Acenaphthene	1.8	UG/L	ND	ND	ND	ND
Acenaphthylene	1.77	UG/L	ND	ND	ND	ND
Anthracene	1.29	UG/L	ND	ND	ND	ND
Benzidine	1.52	UG/L	ND	ND	ND	ND
Benzo[a]anthracene	1.1	UG/L	ND	ND	ND	ND
3,4-Benzo(b)fluoranthene	1.35	UG/L	ND	ND	ND	ND
Benzo[k]fluoranthene	1.49	UG/L	ND	ND	ND	ND
Benzo[a]pyrene	1.25	UG/L	ND	ND	ND	ND
Benzo[g,h,i]perylene	1.09	UG/L	ND	ND	ND	ND
4-Bromophenyl phenyl ether	1.4	UG/L	ND	ND	ND	ND
Bis-(2-chloroethoxy) methane	1.01	UG/L	ND	ND	ND	ND
Bis-(2-chloroethyl) ether	1.38	UG/L	ND	ND	ND	ND
Bis-(2-chloroisopropyl) ether	1.16	UG/L	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	1.57	UG/L	ND	ND	ND	ND
2-Chloronaphthalene	1.87	UG/L	ND	ND	ND	ND
Chrysene	1.16	UG/L	ND	ND	ND	ND
Dibenzo(a,h)anthracene	1.01	UG/L	ND	ND	ND	ND
Butyl benzyl phthalate	2.84	UG/L	ND	ND	ND	ND
Di-n-butyl phthalate	3.96	UG/L	ND	ND	ND	ND
Bis-(2-ethylhexyl) phthalate	8.96	UG/L	ND	ND	ND	ND
Diethyl phthalate	3.05	UG/L	ND	ND	ND	ND
Dimethyl phthalate	1.44	UG/L	ND	ND	ND	ND
Di-n-octyl phthalate	1	UG/L	ND	ND	ND	ND
3,3-Dichlorobenzidine	2.44	UG/L	ND	ND	ND	ND
2,4-Dinitrotoluene	1.36	UG/L	ND	ND	ND	ND
2,6-Dinitrotoluene	1.53	UG/L	ND	ND	ND	ND
1,2-Diphenylhydrazine	1.37	UG/L	ND	ND	ND	ND
Fluoranthene	1.33	UG/L	ND	ND	ND	ND
Fluorene	1.61	UG/L	ND	ND	ND	ND
Hexachlorobenzene	1.48	UG/L	ND	ND	ND	ND
Hexachlorobutadiene	1.64	UG/L	ND	ND	ND	ND
Hexachlorocyclopentadiene	1.25	UG/L	ND	ND	ND	ND
Hexachloroethane	1.32	UG/L	ND	ND	ND	ND
Indeno(1,2,3-CD)pyrene	1.14	UG/L	ND	ND	ND	ND
Isophorone	1.53	UG/L	ND	ND	ND	ND
Naphthalene	1.65	UG/L	ND	ND	ND	ND
Nitrobenzene	1.6	UG/L	ND	ND	ND	ND
N-nitrosodimethylamine	1.27	UG/L	ND	ND	ND	ND
N-nitrosodi-n-propylamine	1.16	UG/L	ND	ND	ND	ND
N-nitrosodiphenylamine	3.48	UG/L	ND	ND	ND	ND
Phenanthrene	1.34	UG/L	ND	ND	ND	ND
Pyrene	1.43	UG/L	ND	ND	ND	ND
1,2,4-Trichlorobenzene	1.52	UG/L	ND	ND	ND	ND
Polynuc. Aromatic Hydrocarbons	1.77	UG/L	0.0	0.0	0.0	0.0
Base/Neutral Compounds	8.96	UG/L	0.0	0.0	0.0	0.0

Additional analytes determined

Benzo[e]pyrene	1.44	UG/L	ND	ND	ND	ND
Biphenyl	2.29	UG/L	ND	ND	ND	ND
2,6-Dimethylnaphthalene	2.16	UG/L	ND	ND	ND	ND
1-Methylnaphthalene	2.18	UG/L	ND	ND	ND	ND
1-Methylphenanthrene	1.46	UG/L	ND	ND	ND	ND
2-Methylnaphthalene	2.14	UG/L	ND	ND	ND	ND
2,3,5-Trimethylnaphthalene	2.18	UG/L	ND	ND	ND	ND
Perylene	1.41	UG/L	ND	ND	ND	ND
Pyridine	3.33	UG/L	ND	ND	ND	ND

SOUTH BAY WATER RECLAMATION PLANT
Priority Pollutants Base/Neutral Compounds, EPA Method 625

Annual 2013

Source: Date: Analyte	MDL	Units	SB_PRIEFF_10 05-FEB-2013 P649738	SB_PRIEFF_10 07-MAY-2013 P661206	SB_PRIEFF_10 06-AUG-2013 P671213	SB_PRIEFF_10 01-OCT-2013 P677753
Acenaphthene	1.8	UG/L	ND	ND	ND	ND
Acenaphthylene	1.77	UG/L	ND	ND	ND	ND
Anthracene	1.29	UG/L	ND	ND	ND	ND
Benzidine	1.52	UG/L	ND	ND	ND	ND
Benzo[a]anthracene	1.1	UG/L	ND	ND	ND	ND
3,4-Benzo(b)fluoranthene	1.35	UG/L	ND	ND	ND	ND
Benzo[k]fluoranthene	1.49	UG/L	ND	ND	ND	ND
Benzo[a]pyrene	1.25	UG/L	ND	ND	ND	ND
Benzo[g,h,i]perylene	1.09	UG/L	ND	ND	ND	ND
4-Bromophenyl phenyl ether	1.4	UG/L	ND	ND	ND	ND
Bis-(2-chloroethoxy) methane	1.01	UG/L	ND	ND	ND	ND
Bis-(2-chloroethyl) ether	1.38	UG/L	ND	ND	ND	ND
Bis-(2-chloroisopropyl) ether	1.16	UG/L	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	1.57	UG/L	ND	ND	ND	ND
2-Chloronaphthalene	1.87	UG/L	ND	ND	ND	ND
Chrysene	1.16	UG/L	ND	ND	ND	ND
Dibenzo(a,h)anthracene	1.01	UG/L	ND	ND	ND	ND
Butyl benzyl phthalate	2.84	UG/L	ND	ND	ND	ND
Di-n-butyl phthalate	3.96	UG/L	ND	ND	ND	ND
Bis-(2-ethylhexyl) phthalate	8.96	UG/L	12.7	ND	ND	9.0
Diethyl phthalate	3.05	UG/L	6.1	ND	3.5	4.0
Dimethyl phthalate	1.44	UG/L	ND	ND	ND	ND
Di-n-octyl phthalate	1	UG/L	ND	ND	ND	ND
3,3-Dichlorobenzidine	2.44	UG/L	ND	ND	ND	ND
2,4-Dinitrotoluene	1.36	UG/L	ND	ND	ND	ND
2,6-Dinitrotoluene	1.53	UG/L	ND	ND	ND	ND
1,2-Diphenylhydrazine	1.37	UG/L	ND	ND	ND	ND
Fluoranthene	1.33	UG/L	ND	ND	ND	ND
Fluorene	1.61	UG/L	ND	ND	ND	ND
Hexachlorobenzene	1.48	UG/L	ND	ND	ND	ND
Hexachlorobutadiene	1.64	UG/L	ND	ND	ND	ND
Hexachlorocyclopentadiene	1.25	UG/L	ND	ND	ND	ND
Hexachloroethane	1.32	UG/L	ND	ND	ND	ND
Indeno(1,2,3-CD)pyrene	1.14	UG/L	ND	ND	ND	ND
Isophorone	1.53	UG/L	ND	ND	ND	ND
Naphthalene	1.65	UG/L	ND	ND	ND	ND
Nitrobenzene	1.6	UG/L	ND	ND	ND	ND
N-nitrosodimethylamine	1.27	UG/L	ND	ND	ND	ND
N-nitrosodi-n-propylamine	1.16	UG/L	ND	ND	ND	ND
N-nitrosodiphenylamine	3.48	UG/L	ND	ND	ND	ND
Phenanthrene	1.34	UG/L	ND	ND	ND	ND
Pyrene	1.43	UG/L	ND	ND	ND	ND
1,2,4-Trichlorobenzene	1.52	UG/L	ND	ND	ND	ND
Polynuc. Aromatic Hydrocarbons	1.77	UG/L	0.0	0.0	0.0	0.0
Base/Neutral Compounds	8.96	UG/L	18.8	0.0	3.5	13.0

Additional analytes determined

Benzo[e]pyrene	1.44	UG/L	ND	ND	ND	ND
Biphenyl	2.29	UG/L	ND	ND	ND	ND
2,6-Dimethylnaphthalene	2.16	UG/L	ND	ND	ND	ND
1-Methylnaphthalene	2.18	UG/L	ND	ND	ND	ND
1-Methylphenanthrene	1.46	UG/L	ND	ND	ND	ND
2-Methylnaphthalene	2.14	UG/L	ND	ND	ND	ND
2,3,5-Trimethylnaphthalene	2.18	UG/L	ND	ND	ND	ND
Perylene	1.41	UG/L	ND	ND	ND	ND
Pyridine	3.33	UG/L	ND	ND	ND	ND

SOUTH BAY WATER RECLAMATION PLANT
Priority Pollutants Base/Neutral Compounds, EPA Method 625

Annual 2013

Source:			SB_REC_WATER_34	SB_REC_WATER_34	SB_REC_WATER_34	SB_REC_WATER_34
Date:			05-FEB-2013	07-MAY-2013	06-AUG-2013	01-OCT-2013
Analyte	MDL	Units	P649759	P661225	P671234	P677772
Acenaphthene	1.8	UG/L	ND	ND	ND	ND
Acenaphthylene	1.77	UG/L	ND	ND	ND	ND
Anthracene	1.29	UG/L	ND	ND	ND	ND
Benzidine	1.52	UG/L	ND	ND	ND	ND
Benzo[a]anthracene	1.1	UG/L	ND	ND	ND	ND
3,4-Benzo(b)fluoranthene	1.35	UG/L	ND	ND	ND	ND
Benzo[k]fluoranthene	1.49	UG/L	ND	ND	ND	ND
Benzo[a]pyrene	1.25	UG/L	ND	ND	ND	ND
Benzo[g,h,i]perylene	1.09	UG/L	ND	ND	ND	ND
4-Bromophenyl phenyl ether	1.4	UG/L	ND	ND	ND	ND
Bis-(2-chloroethoxy) methane	1.01	UG/L	ND	ND	ND	ND
Bis-(2-chloroethyl) ether	1.38	UG/L	ND	ND	ND	ND
Bis-(2-chloroisopropyl) ether	1.16	UG/L	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	1.57	UG/L	ND	ND	ND	ND
2-Chloronaphthalene	1.87	UG/L	ND	ND	ND	ND
Chrysene	1.16	UG/L	ND	ND	ND	ND
Dibenzo(a,h)anthracene	1.01	UG/L	ND	ND	ND	ND
Butyl benzyl phthalate	2.84	UG/L	ND	ND	ND	ND
Di-n-butyl phthalate	3.96	UG/L	ND	ND	ND	ND
Bis-(2-ethylhexyl) phthalate	8.96	UG/L	ND	ND	21.4	ND
Diethyl phthalate	3.05	UG/L	ND	ND	ND	ND
Dimethyl phthalate	1.44	UG/L	ND	ND	ND	ND
Di-n-octyl phthalate	1	UG/L	ND	ND	ND	ND
3,3-Dichlorobenzidine	2.44	UG/L	ND	ND	ND	ND
2,4-Dinitrotoluene	1.36	UG/L	ND	ND	ND	ND
2,6-Dinitrotoluene	1.53	UG/L	ND	ND	ND	ND
1,2-Diphenylhydrazine	1.37	UG/L	ND	ND	ND	ND
Fluoranthene	1.33	UG/L	ND	ND	ND	ND
Fluorene	1.61	UG/L	ND	ND	ND	ND
Hexachlorobenzene	1.48	UG/L	ND	ND	ND	ND
Hexachlorobutadiene	1.64	UG/L	ND	ND	ND	ND
Hexachlorocyclopentadiene	1.25	UG/L	ND	ND	ND	ND
Hexachloroethane	1.32	UG/L	ND	ND	ND	ND
Indeno(1,2,3-CD)pyrene	1.14	UG/L	ND	ND	ND	ND
Isophorone	1.53	UG/L	ND	ND	ND	ND
Naphthalene	1.65	UG/L	ND	ND	ND	ND
Nitrobenzene	1.6	UG/L	ND	ND	ND	ND
N-nitrosodimethylamine	1.27	UG/L	ND	ND	ND	ND
N-nitrosodi-n-propylamine	1.16	UG/L	ND	ND	ND	ND
N-nitrosodiphenylamine	3.48	UG/L	ND	ND	ND	ND
Phenanthrene	1.34	UG/L	ND	ND	ND	ND
Pyrene	1.43	UG/L	ND	ND	ND	ND
1,2,4-Trichlorobenzene	1.52	UG/L	ND	ND	ND	ND
Polynuc. Aromatic Hydrocarbons	1.77	UG/L	0.0	0.0	0.0	0.0
Base/Neutral Compounds	8.96	UG/L	0.0	0.0	21.4	0.0

Additional analytes determined

Benzo[e]pyrene	1.44	UG/L	ND	ND	ND	ND
Biphenyl	2.29	UG/L	ND	ND	ND	ND
2,6-Dimethylnaphthalene	2.16	UG/L	ND	ND	ND	ND
1-Methylnaphthalene	2.18	UG/L	ND	ND	ND	ND
1-Methylphenanthrene	1.46	UG/L	ND	ND	ND	ND
2-Methylnaphthalene	2.14	UG/L	ND	ND	ND	ND
2,3,5-Trimethylnaphthalene	2.18	UG/L	ND	ND	ND	ND
Perylene	1.41	UG/L	ND	ND	ND	ND
Pyridine	3.33	UG/L	ND	ND	ND	ND

SOUTH BAY WATER RECLAMATION PLANT
Chlorinated Pesticide Analysis, EPA Method 608 (with additions)

Annual 2013

Source:			INFLUENT	INFLUENT	INFLUENT	INFLUENT
Date:			05-FEB-2013	07-MAY-2013	06-AUG-2013	01-OCT-2013
Analyte	MDL	Units	P649723	P661191	P671198	P677738
=====						
Aldrin	8	NG/L	ND	ND	ND	ND
BHC, Alpha isomer	15	NG/L	ND	ND	ND	ND
BHC, Beta isomer	20	NG/L	ND	ND	ND	ND
BHC, Delta isomer	18	NG/L	ND	ND	ND	ND
BHC, Gamma isomer	15	NG/L	ND	ND	ND	ND
Alpha (cis) Chlordane	2	NG/L	ND	ND	ND	ND
Gamma (trans) Chlordane	2	NG/L	ND	ND	ND	ND
Alpha Chlordene		NG/L	NA	NA	NA	NA
Gamma Chlordene		NG/L	NA	NA	NA	NA
Cis Nonachlor	5	NG/L	ND	ND	NA	ND
Dieldrin	10	NG/L	ND	ND	ND	ND
Endosulfan Sulfate	15	NG/L	ND	ND	ND	ND
Alpha Endosulfan	15	NG/L	ND	ND	ND	ND
Beta Endosulfan	10	NG/L	ND	ND	ND	ND
Endrin	10	NG/L	ND	ND	ND	ND
Endrin aldehyde	10	NG/L	ND	ND	ND	ND
Heptachlor	15	NG/L	ND	ND	ND	ND
Heptachlor epoxide	13	NG/L	ND	ND	ND	ND
Methoxychlor	18	NG/L	ND	ND	ND	ND
Mirex	10	NG/L	ND	ND	ND	ND
o,p-DDD	100	NG/L	ND	ND	ND	ND
o,p-DDE	100	NG/L	ND	ND	ND	ND
o,p-DDT	100	NG/L	ND	ND	ND	ND
Oxychlordane	3	NG/L	ND	ND	NA	ND
PCB 1016	1300	NG/L	ND	ND	ND	ND
PCB 1221	1300	NG/L	ND	ND	ND	ND
PCB 1232	1300	NG/L	ND	ND	ND	ND
PCB 1242	1300	NG/L	ND	ND	ND	ND
PCB 1248	1300	NG/L	ND	ND	ND	ND
PCB 1254	1300	NG/L	ND	ND	ND	ND
PCB 1260	1300	NG/L	ND	ND	ND	ND
PCB 1262	1300	NG/L	ND	ND	ND	ND
p,p-DDD	20	NG/L	ND	ND	ND	ND
p,p-DDE	15	NG/L	DNQ3	ND	ND	DNQ4
p,p-DDT	20	NG/L	ND	ND	ND	ND
Toxaphene	1300	NG/L	ND	ND	ND	ND
Trans Nonachlor	3	NG/L	ND	ND	NA	ND
=====						
Aldrin + Dieldrin	10	NG/L	0	0	0	0
Hexachlorocyclohexanes	20	NG/L	0	0	0	0
DDT and derivatives	100	NG/L	3	0	0	4
Chlordane + related cmpds.	5	NG/L	0	0	0	0
Polychlorinated biphenyls	1300	NG/L	0	0	0	0
Endosulfans	15	NG/L	0	0	0	0
Heptachlors	15	NG/L	0	0	0	0
=====						
Chlorinated Hydrocarbons	1300	NG/L	0	0	0	0

ND=not detected

NA=not analyzed

DNQ=Detected not quantifiable, result value less than minimum level (ML) but greater or equal MDL.

Standards for alpha and gamma chlordene are no longer available in the U.S. for the analysis of these compounds.

SOUTH BAY WATER RECLAMATION PLANT
Chlorinated Pesticide Analysis, EPA Method 608 (with additions)

Annual 2013

Source:			EFFLUENT	EFFLUENT	EFFLUENT	EFFLUENT
Date:			05-FEB-2013	07-MAY-2013	06-AUG-2013	01-OCT-2013
Analyte	MDL	Units	P649728	P661196	P671203	P677743
=====	=====	=====	=====	=====	=====	=====
Aldrin	8	NG/L	ND	ND	ND	ND
BHC, Alpha isomer	15	NG/L	ND	ND	ND	ND
BHC, Beta isomer	20	NG/L	ND	ND	ND	ND
BHC, Delta isomer	18	NG/L	ND	ND	ND	ND
BHC, Gamma isomer	15	NG/L	ND	ND	ND	ND
Alpha (cis) Chlordane	2	NG/L	ND	ND	ND	ND
Gamma (trans) Chlordane	2	NG/L	ND	ND	ND	ND
Alpha Chlordene		NG/L	NA	NA	NA	NA
Gamma Chlordene		NG/L	NA	NA	NA	NA
Cis Nonachlor	5	NG/L	ND	ND	NA	ND
Dieldrin	10	NG/L	ND	ND	ND	ND
Endosulfan Sulfate	15	NG/L	ND	ND	ND	ND
Alpha Endosulfan	15	NG/L	ND	ND	ND	ND
Beta Endosulfan	10	NG/L	ND	ND	ND	ND
Endrin	10	NG/L	ND	ND	ND	ND
Endrin aldehyde	10	NG/L	ND	ND	ND	ND
Heptachlor	15	NG/L	ND	ND	ND	ND
Heptachlor epoxide	13	NG/L	ND	ND	ND	ND
Methoxychlor	18	NG/L	ND	ND	ND	ND
Mirex	10	NG/L	ND	ND	ND	ND
o,p-DDD	100	NG/L	ND	ND	ND	ND
o,p-DDE	100	NG/L	ND	ND	ND	ND
o,p-DDT	100	NG/L	ND	ND	ND	ND
Oxychlordane	3	NG/L	ND	ND	NA	ND
PCB 1016	1300	NG/L	ND	ND	ND	ND
PCB 1221	1300	NG/L	ND	ND	ND	ND
PCB 1232	1300	NG/L	ND	ND	ND	ND
PCB 1242	1300	NG/L	ND	ND	ND	ND
PCB 1248	1300	NG/L	ND	ND	ND	ND
PCB 1254	1300	NG/L	ND	ND	ND	ND
PCB 1260	1300	NG/L	ND	ND	ND	ND
PCB 1262	1300	NG/L	ND	ND	ND	ND
p,p-DDD	20	NG/L	ND	ND	ND	ND
p,p-DDE	15	NG/L	ND	ND	ND	ND
p,p-DDT	20	NG/L	ND	ND	ND	ND
Toxaphene	1300	NG/L	ND	ND	ND	ND
Trans Nonachlor	3	NG/L	ND	ND	NA	ND
=====	=====	=====	=====	=====	=====	=====
Aldrin + Dieldrin	10	NG/L	0	0	0	0
Hexachlorocyclohexanes	20	NG/L	0	0	0	0
DDT and derivatives	100	NG/L	0	0	0	0
Chlordane + related cmpds.	5	NG/L	0	0	0	0
Polychlorinated biphenyls	1300	NG/L	0	0	0	0
Endosulfans	15	NG/L	0	0	0	0
Heptachlors	15	NG/L	0	0	0	0
=====	=====	=====	=====	=====	=====	=====
Chlorinated Hydrocarbons	1300	NG/L	0	0	0	0

ND=not detected
NA=not analyzed

Standards for alpha and gamma chlordene are no longer available in the U.S. for the analysis of these compounds.

SOUTH BAY WATER RECLAMATION PLANT
Chlorinated Pesticide Analysis, EPA Method 608 (with additions)

Annual 2013

Source:			COMB EFF	COMB EFF	COMB EFF	COMB EFF
Date:			05-FEB-2013	09-MAY-2013	06-AUG-2013	01-OCT-2013
Analyte	MDL	Units	P649733	P661201	P671208	P677748
=====	=====	=====	=====	=====	=====	=====
Aldrin	8	NG/L	ND	ND	ND	ND
BHC, Alpha isomer	15	NG/L	ND	ND	ND	ND
BHC, Beta isomer	20	NG/L	ND	ND	ND	ND
BHC, Delta isomer	18	NG/L	ND	ND	ND	ND
BHC, Gamma isomer	15	NG/L	ND	ND	ND	ND
Alpha (cis) Chlordane	2	NG/L	ND	ND	ND	ND
Gamma (trans) Chlordane	2	NG/L	ND	ND	ND	ND
Alpha Chlordene		NG/L	NA	NA	NA	NA
Gamma Chlordene		NG/L	NA	NA	NA	NA
Cis Nonachlor	5	NG/L	ND	ND	NA	ND
Dieldrin	10	NG/L	ND	ND	ND	ND
Endosulfan Sulfate	15	NG/L	ND	ND	ND	ND
Alpha Endosulfan	15	NG/L	ND	ND	ND	ND
Beta Endosulfan	10	NG/L	ND	ND	ND	ND
Endrin	10	NG/L	ND	ND	ND	ND
Endrin aldehyde	10	NG/L	ND	ND	ND	ND
Heptachlor	15	NG/L	ND	ND	ND	ND
Heptachlor epoxide	13	NG/L	ND	ND	ND	ND
Methoxychlor	18	NG/L	ND	ND	ND	ND
Mirex	10	NG/L	ND	ND	ND	ND
o,p-DDD	100	NG/L	ND	ND	ND	ND
o,p-DDE	100	NG/L	ND	ND	ND	ND
o,p-DDT	100	NG/L	ND	ND	ND	ND
Oxychlordane	3	NG/L	ND	ND	NA	ND
PCB 1016	1300	NG/L	ND	ND	ND	ND
PCB 1221	1300	NG/L	ND	ND	ND	ND
PCB 1232	1300	NG/L	ND	ND	ND	ND
PCB 1242	1300	NG/L	ND	ND	ND	ND
PCB 1248	1300	NG/L	ND	ND	ND	ND
PCB 1254	1300	NG/L	ND	ND	ND	ND
PCB 1260	1300	NG/L	ND	ND	ND	ND
PCB 1262	1300	NG/L	ND	ND	ND	ND
p,p-DDD	20	NG/L	ND	ND	ND	ND
p,p-DDE	15	NG/L	ND	ND	ND	ND
p,p-DDT	20	NG/L	ND	ND	ND	ND
Toxaphene	1300	NG/L	ND	ND	ND	ND
Trans Nonachlor	3	NG/L	ND	ND	NA	ND
=====	=====	=====	=====	=====	=====	=====
Aldrin + Dieldrin	10	NG/L	0	0	0	0
Hexachlorocyclohexanes	20	NG/L	0	0	0	0
DDT and derivatives	100	NG/L	0	0	0	0
Chlordane + related cmpds.	5	NG/L	0	0	0	0
Polychlorinated biphenyls	1300	NG/L	0	0	0	0
Endosulfans	15	NG/L	0	0	0	0
Heptachlors	15	NG/L	0	0	0	0
=====	=====	=====	=====	=====	=====	=====
Chlorinated Hydrocarbons	1300	NG/L	0	0	0	0

ND=not detected
NA=not analyzed

Standards for alpha and gamma chlordene are no longer available in the U.S. for the analysis of these compounds.

SOUTH BAY WATER RECLAMATION PLANT
Chlorinated Pesticide Analysis, EPA Method 608 (with additions)

Annual 2013

Source:			PRI EFF	PRI EFF	PRI EFF	PRI EFF
Date:			05-FEB-2013	07-MAY-2013	06-AUG-2013	01-OCT-2013
Analyte	MDL	Units	P649738	P661206	P671213	P677753
Aldrin	8	NG/L	ND	ND	ND	ND
BHC, Alpha isomer	15	NG/L	ND	ND	ND	ND
BHC, Beta isomer	20	NG/L	ND	ND	ND	ND
BHC, Delta isomer	18	NG/L	ND	ND	ND	ND
BHC, Gamma isomer	15	NG/L	ND	ND	ND	ND
Alpha (cis) Chlordane	2	NG/L	ND	ND	ND	ND
Gamma (trans) Chlordane	2	NG/L	ND	ND	ND	ND
Alpha Chlordene		NG/L	NA	NA	NA	NA
Gamma Chlordene		NG/L	NA	NA	NA	NA
Cis Nonachlor	5	NG/L	ND	ND	NA	ND
Dieldrin	10	NG/L	ND	ND	ND	ND
Endosulfan Sulfate	15	NG/L	ND	ND	ND	ND
Alpha Endosulfan	15	NG/L	ND	ND	ND	ND
Beta Endosulfan	10	NG/L	ND	ND	ND	ND
Endrin	10	NG/L	ND	ND	ND	ND
Endrin aldehyde	10	NG/L	ND	ND	ND	ND
Heptachlor	15	NG/L	ND	ND	ND	ND
Heptachlor epoxide	13	NG/L	ND	ND	ND	ND
Methoxychlor	18	NG/L	ND	ND	ND	ND
Mirex	10	NG/L	ND	ND	ND	ND
o,p-DDD	100	NG/L	ND	ND	ND	ND
o,p-DDE	100	NG/L	ND	ND	ND	ND
o,p-DDT	100	NG/L	ND	ND	ND	ND
Oxychlordane	3	NG/L	ND	ND	NA	ND
PCB 1016	1300	NG/L	ND	ND	ND	ND
PCB 1221	1300	NG/L	ND	ND	ND	ND
PCB 1232	1300	NG/L	ND	ND	ND	ND
PCB 1242	1300	NG/L	ND	ND	ND	ND
PCB 1248	1300	NG/L	ND	ND	ND	ND
PCB 1254	1300	NG/L	ND	ND	ND	ND
PCB 1260	1300	NG/L	ND	ND	ND	ND
PCB 1262	1300	NG/L	ND	ND	ND	ND
p,p-DDD	20	NG/L	ND	ND	ND	ND
p,p-DDE	15	NG/L	DNQ3	ND	ND	DNQ2
p,p-DDT	20	NG/L	ND	ND	ND	ND
Toxaphene	1300	NG/L	ND	ND	ND	ND
Trans Nonachlor	3	NG/L	ND	ND	NA	ND
=====						
Aldrin + Dieldrin	10	NG/L	0	0	0	0
Hexachlorocyclohexanes	20	NG/L	0	0	0	0
DDT and derivatives	100	NG/L	3	0	0	2
Chlordane + related cmpds.	5	NG/L	0	0	0	0
Polychlorinated biphenyls	1300	NG/L	0	0	0	0
Endosulfans	15	NG/L	0	0	0	0
Heptachlors	15	NG/L	0	0	0	0
=====						
Chlorinated Hydrocarbons	1300	NG/L	0	0	0	0

ND=not detected

NA=not analyzed

DNQ=Detected not quantifiable, result value less than minimum level (ML) but greater or equal MDL.

Standards for alpha and gamma chlordene are no longer available in the U.S. for the analysis of these compounds.

SOUTH BAY WATER RECLAMATION PLANT
Chlorinated Pesticide Analysis, EPA Method 608 (with additions)

Annual 2013

Source:			SEC EFF	SEC EFF	SEC EFF	SEC EFF
Date:			05-FEB-2013	07-MAY-2013	06-AUG-2013	01-OCT-2013
Analyte	MDL	Units	P649743	P661211	P671218	P677758
=====	=====	=====	=====	=====	=====	=====
Aldrin	8	NG/L	ND	ND	ND	ND
BHC, Alpha isomer	15	NG/L	ND	ND	ND	ND
BHC, Beta isomer	20	NG/L	ND	ND	ND	ND
BHC, Delta isomer	18	NG/L	ND	ND	ND	ND
BHC, Gamma isomer	15	NG/L	ND	ND	ND	ND
Alpha (cis) Chlordane	2	NG/L	ND	ND	ND	ND
Gamma (trans) Chlordane	2	NG/L	ND	ND	ND	ND
Alpha Chlordene		NG/L	NA	NA	NA	NA
Gamma Chlordene		NG/L	NA	NA	NA	NA
Cis Nonachlor	5	NG/L	ND	ND	NA	ND
Dieldrin	10	NG/L	ND	ND	ND	ND
Endosulfan Sulfate	15	NG/L	ND	ND	ND	ND
Alpha Endosulfan	15	NG/L	ND	ND	ND	ND
Beta Endosulfan	10	NG/L	ND	ND	ND	ND
Endrin	10	NG/L	ND	ND	ND	ND
Endrin aldehyde	10	NG/L	ND	ND	ND	ND
Heptachlor	15	NG/L	ND	ND	ND	ND
Heptachlor epoxide	13	NG/L	ND	ND	ND	ND
Methoxychlor	18	NG/L	ND	ND	ND	ND
Mirex	10	NG/L	ND	ND	ND	ND
o,p-DDD	100	NG/L	ND	ND	ND	ND
o,p-DDE	100	NG/L	ND	ND	ND	ND
o,p-DDT	100	NG/L	ND	ND	ND	ND
Oxychlordane	3	NG/L	ND	ND	NA	ND
PCB 1016	1300	NG/L	ND	ND	ND	ND
PCB 1221	1300	NG/L	ND	ND	ND	ND
PCB 1232	1300	NG/L	ND	ND	ND	ND
PCB 1242	1300	NG/L	ND	ND	ND	ND
PCB 1248	1300	NG/L	ND	ND	ND	ND
PCB 1254	1300	NG/L	ND	ND	ND	ND
PCB 1260	1300	NG/L	ND	ND	ND	ND
PCB 1262	1300	NG/L	ND	ND	ND	ND
p,p-DDD	20	NG/L	ND	ND	ND	ND
p,p-DDE	15	NG/L	ND	ND	ND	ND
p,p-DDT	20	NG/L	ND	ND	ND	ND
Toxaphene	1300	NG/L	ND	ND	ND	ND
Trans Nonachlor	3	NG/L	ND	ND	NA	ND
=====	=====	=====	=====	=====	=====	=====
Aldrin + Dieldrin	10	NG/L	0	0	0	0
Hexachlorocyclohexanes	20	NG/L	0	0	0	0
DDT and derivatives	100	NG/L	0	0	0	0
Chlordane + related cmpds.	5	NG/L	0	0	0	0
Polychlorinated biphenyls	1300	NG/L	0	0	0	0
Endosulfans	15	NG/L	0	0	0	0
Heptachlors	15	NG/L	0	0	0	0
=====	=====	=====	=====	=====	=====	=====
Chlorinated Hydrocarbons	1300	NG/L	0	0	0	0

ND=not detected
NA=not analyzed

Standards for alpha and gamma chlordene are no longer available in the U.S. for the analysis of these compounds.

SOUTH BAY WATER RECLAMATION PLANT
Chlorinated Pesticide Analysis, EPA Method 608 (with additions)

Annual 2013

Source:			RSL	RSL	RSL	RSL
Date:			05-FEB-2013	07-MAY-2013	06-AUG-2013	01-OCT-2013
Analyte	MDL	Units	P649757	P661223	P671232	P677770
Aldrin	8	NG/L	ND	ND	ND	ND
BHC, Alpha isomer	15	NG/L	ND	ND	ND	ND
BHC, Beta isomer	20	NG/L	ND	ND	ND	ND
BHC, Delta isomer	18	NG/L	ND	ND	ND	ND
BHC, Gamma isomer	15	NG/L	ND	ND	ND	ND
Alpha (cis) Chlordane	2	NG/L	ND	ND	ND	ND
Gamma (trans) Chlordane	2	NG/L	ND	ND	ND	ND
Alpha Chlordene		NG/L	NA	NA	NA	NA
Gamma Chlordene		NG/L	NA	NA	NA	NA
Cis Nonachlor	5	NG/L	ND	ND	NA	ND
Dieldrin	10	NG/L	ND	ND	ND	ND
Endosulfan Sulfate	15	NG/L	ND	ND	ND	ND
Alpha Endosulfan	15	NG/L	ND	ND	ND	ND
Beta Endosulfan	10	NG/L	ND	ND	ND	ND
Endrin	10	NG/L	ND	ND	ND	ND
Endrin aldehyde	10	NG/L	ND	ND	ND	DNQ200
Heptachlor	15	NG/L	ND	ND	ND	ND
Heptachlor epoxide	13	NG/L	ND	ND	ND	ND
Methoxychlor	18	NG/L	ND	ND	ND	ND
Mirex	10	NG/L	ND	ND	ND	ND
o,p-DDD	100	NG/L	DNQ220	ND	ND	ND
o,p-DDE	100	NG/L	ND	ND	ND	DNQ17
o,p-DDT	100	NG/L	ND	ND	ND	ND
Oxychlordane	3	NG/L	ND	ND	NA	ND
PCB 1016	1300	NG/L	ND	ND	ND	ND
PCB 1221	1300	NG/L	ND	ND	ND	ND
PCB 1232	1300	NG/L	ND	ND	ND	ND
PCB 1242	1300	NG/L	ND	ND	ND	ND
PCB 1248	1300	NG/L	ND	ND	ND	ND
PCB 1254	1300	NG/L	ND	ND	ND	ND
PCB 1260	1300	NG/L	ND	ND	ND	ND
PCB 1262	1300	NG/L	ND	ND	ND	ND
p,p-DDD	20	NG/L	ND	ND	ND	ND
p,p-DDE	15	NG/L	DNQ52	DNQ91	ND	DNQ85
p,p-DDT	20	NG/L	ND	ND	ND	ND
Toxaphene	1300	NG/L	ND	ND	ND	ND
Trans Nonachlor	3	NG/L	ND	ND	NA	ND
=====						
Aldrin + Dieldrin	10	NG/L	0	0	0	0
Hexachlorocyclohexanes	20	NG/L	0	0	0	0
DDT and derivatives	100	NG/L	0	0	0	0
Chlordane + related cmpds.	5	NG/L	0	0	0	0
Polychlorinated biphenyls	1300	NG/L	0	0	0	0
Endosulfans	15	NG/L	0	0	0	0
Heptachlors	15	NG/L	0	0	0	0
=====						
Chlorinated Hydrocarbons	1300	NG/L	0	0	0	0

ND=not detected
NA=not analyzed

Standards for alpha and gamma chlordene are no longer available in the U.S. for the analysis of these compounds.

SOUTH BAY WATER RECLAMATION PLANT
Chlorinated Pesticide Analysis, EPA Method 608 (with additions)

Annual 2013

Source:			REC_WATER	REC_WATER	REC_WATER	REC_WATER
Date:			05-FEB-2013	07-MAY-2013	06-AUG-2013	01-OCT-2013
Analyte	MDL	Units	P649759	P661225	P671234	P677772
=====	=====	=====	=====	=====	=====	=====
Aldrin	8	NG/L	ND	ND	ND	ND
BHC, Alpha isomer	15	NG/L	ND	ND	ND	ND
BHC, Beta isomer	20	NG/L	ND	ND	ND	ND
BHC, Delta isomer	18	NG/L	ND	ND	ND	ND
BHC, Gamma isomer	15	NG/L	ND	ND	ND	ND
Alpha (cis) Chlordane	2	NG/L	ND	ND	ND	ND
Gamma (trans) Chlordane	2	NG/L	ND	ND	ND	ND
Alpha Chlordene		NG/L	NA	NA	NA	NA
Gamma Chlordene		NG/L	NA	NA	NA	NA
Cis Nonachlor	5	NG/L	ND	ND	NA	ND
Dieldrin	10	NG/L	ND	ND	ND	ND
Endosulfan Sulfate	15	NG/L	ND	ND	ND	ND
Alpha Endosulfan	15	NG/L	ND	ND	ND	ND
Beta Endosulfan	10	NG/L	ND	ND	ND	ND
Endrin	10	NG/L	ND	ND	ND	ND
Endrin aldehyde	10	NG/L	ND	ND	ND	ND
Heptachlor	15	NG/L	ND	ND	ND	ND
Heptachlor epoxide	13	NG/L	ND	ND	ND	ND
Methoxychlor	18	NG/L	ND	ND	ND	ND
Mirex	10	NG/L	ND	ND	ND	ND
o,p-DDD	100	NG/L	ND	ND	ND	ND
o,p-DDE	100	NG/L	ND	ND	ND	ND
o,p-DDT	100	NG/L	ND	ND	ND	ND
Oxychlordane	3	NG/L	ND	ND	NA	ND
PCB 1016	1300	NG/L	ND	ND	ND	ND
PCB 1221	1300	NG/L	ND	ND	ND	ND
PCB 1232	1300	NG/L	ND	ND	ND	ND
PCB 1242	1300	NG/L	ND	ND	ND	ND
PCB 1248	1300	NG/L	ND	ND	ND	ND
PCB 1254	1300	NG/L	ND	ND	ND	ND
PCB 1260	1300	NG/L	ND	ND	ND	ND
PCB 1262	1300	NG/L	ND	ND	ND	ND
p,p-DDD	20	NG/L	ND	ND	ND	ND
p,p-DDE	15	NG/L	ND	ND	ND	ND
p,p-DDT	20	NG/L	ND	ND	ND	ND
Toxaphene	1300	NG/L	ND	ND	ND	ND
Trans Nonachlor	3	NG/L	ND	ND	NA	ND
=====	=====	=====	=====	=====	=====	=====
Aldrin + Dieldrin	10	NG/L	0	0	0	0
Hexachlorocyclohexanes	20	NG/L	0	0	0	0
DDT and derivatives	100	NG/L	0	0	0	0
Chlordane + related cmpds.	5	NG/L	0	0	0	0
Polychlorinated biphenyls	1300	NG/L	0	0	0	0
Endosulfans	15	NG/L	0	0	0	0
Heptachlors	15	NG/L	0	0	0	0
=====	=====	=====	=====	=====	=====	=====
Chlorinated Hydrocarbons	1300	NG/L	0	0	0	0

ND=not detected
NA=not analyzed

Standards for alpha and gamma chlordene are no longer available in the U.S. for the analysis of these compounds.

SOUTH BAY WATER RECLAMATION PLANT
Dioxin and Furan Analysis

Annual 2013

Source:				INFLUENT	INFLUENT	EFFLUENT	EFFLUENT
				TCDD			
Date:				05-FEB-2013	05-FEB-2013	05-FEB-2013	05-FEB-2013
Analytes	MDL	Units	Equiv.	P649723	P649723	P649728	P649728
2,3,7,8-tetra CDD	.26	PG/L	1.000	ND	ND	ND	ND
1,2,3,7,8-penta CDD	.277	PG/L	0.500	ND	ND	ND	ND
1,2,3,4,7,8_hexa_CDD	.482	PG/L	0.100	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDD	.484	PG/L	0.100	DNQ3.26	DNQ0.326	ND	ND
1,2,3,7,8,9-hexa CDD	.479	PG/L	0.100	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDD	.53	PG/L	0.010	29.2	0.292	ND	ND
octa CDD	1.4	PG/L	0.001	130	0.130	DNQ5.19	DNQ0.005
2,3,7,8-tetra CDF	.257	PG/L	0.100	ND	ND	ND	ND
1,2,3,7,8-penta CDF	.335	PG/L	0.050	ND	ND	ND	ND
2,3,4,7,8-penta CDF	.34	PG/L	0.050	ND	ND	ND	ND
1,2,3,4,7,8-hexa CDF	.284	PG/L	0.100	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDF	.281	PG/L	0.100	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDF	.348	PG/L	0.100	ND	ND	ND	ND
2,3,4,6,7,8-hexa CDF	.294	PG/L	0.100	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDF	.295	PG/L	0.010	DNQ2.08	DNQ0.021	ND	ND
1,2,3,4,7,8,9-hepta CDF	.397	PG/L	0.010	ND	ND	ND	ND
octa CDF	.738	PG/L	0.001	DNQ5.77	DNQ0.006	ND	ND

Source:				INFLUENT	INFLUENT	EFFLUENT	EFFLUENT
				TCDD			
Date:				07-MAY-2013	07-MAY-2013	07-MAY-2013	07-MAY-2013
Analytes	MDL	Units	Equiv.	P661191	P661191	P661196	P661196
2,3,7,8-tetra CDD	.26	PG/L	1.000	ND	ND	ND	ND
1,2,3,7,8-penta CDD	.277	PG/L	0.500	ND	ND	ND	ND
1,2,3,4,7,8_hexa_CDD	.482	PG/L	0.100	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDD	.484	PG/L	0.100	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDD	.479	PG/L	0.100	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDD	.53	PG/L	0.010	24.3	0.243	ND	ND
octa CDD	1.4	PG/L	0.001	210	0.21	ND	ND
2,3,7,8-tetra CDF	.257	PG/L	0.100	ND	ND	ND	ND
1,2,3,7,8-penta CDF	.335	PG/L	0.050	ND	ND	ND	ND
2,3,4,7,8-penta CDF	.34	PG/L	0.050	ND	ND	ND	ND
1,2,3,4,7,8-hexa CDF	.284	PG/L	0.100	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDF	.281	PG/L	0.100	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDF	.348	PG/L	0.100	ND	ND	ND	ND
2,3,4,6,7,8-hexa CDF	.294	PG/L	0.100	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDF	.295	PG/L	0.010	ND	ND	ND	ND
1,2,3,4,7,8,9-hepta CDF	.397	PG/L	0.010	ND	ND	ND	ND
octa CDF	.738	PG/L	0.001	DNQ8.2	DNQ0.008	ND	ND

ND= not detected

DNQ= (Detected but not quantified). Estimated analyte concentration below calibration range.

SOUTH BAY WATER RECLAMATION PLANT
Dioxin and Furan Analysis

Annual 2013

Source:				INFLUENT	INFLUENT	EFFLUENT	EFFLUENT
				TCDD			
Date:				06-AUG-2013	06-AUG-2013	06-AUG-2013	06-AUG-2013
Analytes	MDL	Units	Equiv.	P671198	P671198	P671203	P671203
2,3,7,8-tetra CDD	.26	PG/L	1.000	ND	ND	ND	ND
1,2,3,7,8-penta CDD	.277	PG/L	0.500	ND	ND	ND	ND
1,2,3,4,7,8_hexa_CDD	.482	PG/L	0.100	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDD	.484	PG/L	0.100	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDD	.479	PG/L	0.100	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDD	.53	PG/L	0.010	DNQ23	DNQ0.23	ND	ND
octa CDD	1.4	PG/L	0.001	130	0.13	ND	ND
2,3,7,8-tetra CDF	.257	PG/L	0.100	ND	ND	ND	ND
1,2,3,7,8-penta CDF	.335	PG/L	0.050	ND	ND	ND	ND
2,3,4,7,8-penta CDF	.34	PG/L	0.050	ND	ND	ND	ND
1,2,3,4,7,8-hexa CDF	.284	PG/L	0.100	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDF	.281	PG/L	0.100	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDF	.348	PG/L	0.100	ND	ND	ND	ND
2,3,4,6,7,8-hexa CDF	.294	PG/L	0.100	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDF	.295	PG/L	0.010	DNQ3.54	DNQ0.035	ND	ND
1,2,3,4,7,8,9-hepta CDF	.397	PG/L	0.010	ND	ND	ND	ND
octa CDF	.738	PG/L	0.001	DNQ6.93	DNQ0.007	ND	ND

Source:				INFLUENT	INFLUENT	EFFLUENT	EFFLUENT
				TCDD			
Date:				01-OCT-2013	01-OCT-2013	01-OCT-2013	01-OCT-2013
Analytes	MDL	Units	Equiv.	P677738	P677738	P677743	P677743
2,3,7,8-tetra CDD	.26	PG/L	1.000	ND	ND	ND	ND
1,2,3,7,8-penta CDD	.277	PG/L	0.500	ND	ND	ND	ND
1,2,3,4,7,8_hexa_CDD	.482	PG/L	0.100	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDD	.484	PG/L	0.100	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDD	.479	PG/L	0.100	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDD	.53	PG/L	0.010	DNQ14.8	DNQ0.148	ND	ND
octa CDD	1.4	PG/L	0.001	120	0.12	DNQ5.44	DNQ0.005
2,3,7,8-tetra CDF	.257	PG/L	0.100	ND	ND	ND	ND
1,2,3,7,8-penta CDF	.335	PG/L	0.050	ND	ND	ND	ND
2,3,4,7,8-penta CDF	.34	PG/L	0.050	ND	ND	ND	ND
1,2,3,4,7,8-hexa CDF	.284	PG/L	0.100	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDF	.281	PG/L	0.100	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDF	.348	PG/L	0.100	ND	ND	ND	ND
2,3,4,6,7,8-hexa CDF	.294	PG/L	0.100	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDF	.295	PG/L	0.010	DNQ2.35	DNQ0.024	ND	ND
1,2,3,4,7,8,9-hepta CDF	.397	PG/L	0.010	ND	ND	ND	ND
octa CDF	.738	PG/L	0.001	DNQ6.87	DNQ0.007	ND	ND

ND= not detected

DNQ= (Detected but not quantified). Estimated analyte concentration below calibration range.

SOUTH BAY WATER RECLAMATION PLANT
Dioxin and Furan Analysis

Annual 2013

Source:				COMB EFF	COMB EFF	COMB EFF	COMB EFF
				TCDD			
Date:				05-FEB-2013	05-FEB-2013	09-MAY-2013	09-MAY-2013
Analytes	MDL	Units	Equiv.	P649733	P649733	P661201	P661201
=====				=====			
2,3,7,8-tetra CDD	.26	PG/L	1.000	ND	ND	ND	ND
1,2,3,7,8-penta CDD	.277	PG/L	0.500	ND	ND	ND	ND
1,2,3,4,7,8_hexa_CDD	.482	PG/L	0.100	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDD	.484	PG/L	0.100	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDD	.479	PG/L	0.100	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDD	.53	PG/L	0.010	ND	ND	ND	ND
octa CDD	1.4	PG/L	0.001	DNQ5.78	DNQ0.006	ND	ND
2,3,7,8-tetra CDF	.257	PG/L	0.100	ND	ND	ND	ND
1,2,3,7,8-penta CDF	.335	PG/L	0.050	ND	ND	ND	ND
2,3,4,7,8-penta CDF	.34	PG/L	0.050	ND	ND	ND	ND
1,2,3,4,7,8-hexa CDF	.284	PG/L	0.100	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDF	.281	PG/L	0.100	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDF	.348	PG/L	0.100	ND	ND	ND	ND
2,3,4,6,7,8-hexa CDF	.294	PG/L	0.100	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDF	.295	PG/L	0.010	ND	ND	ND	ND
1,2,3,4,7,8,9-hepta CDF	.397	PG/L	0.010	ND	ND	ND	ND
octa CDF	.738	PG/L	0.001	ND	ND	ND	ND

Source:				COMB EFF	COMB EFF	COMB EFF	COMB EFF
				TCDD			
Date:				06-AUG-2013	06-AUG-2013	01-OCT-2013	01-OCT-2013
Analytes	MDL	Units	Equiv.	P671208	P671208	P677748	P677748
=====				=====			
2,3,7,8-tetra CDD	.26	PG/L	1.000	ND	ND	ND	ND
1,2,3,7,8-penta CDD	.277	PG/L	0.500	ND	ND	ND	ND
1,2,3,4,7,8_hexa_CDD	.482	PG/L	0.100	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDD	.484	PG/L	0.100	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDD	.479	PG/L	0.100	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDD	.53	PG/L	0.010	ND	ND	ND	ND
octa CDD	1.4	PG/L	0.001	ND	ND	DNQ5.87	DNQ0.006
2,3,7,8-tetra CDF	.257	PG/L	0.100	ND	ND	ND	ND
1,2,3,7,8-penta CDF	.335	PG/L	0.050	ND	ND	ND	ND
2,3,4,7,8-penta CDF	.34	PG/L	0.050	ND	ND	ND	ND
1,2,3,4,7,8-hexa CDF	.284	PG/L	0.100	ND	ND	ND	ND
1,2,3,6,7,8-hexa CDF	.281	PG/L	0.100	ND	ND	ND	ND
1,2,3,7,8,9-hexa CDF	.348	PG/L	0.100	ND	ND	ND	ND
2,3,4,6,7,8-hexa CDF	.294	PG/L	0.100	ND	ND	ND	ND
1,2,3,4,6,7,8-hepta CDF	.295	PG/L	0.010	ND	ND	ND	ND
1,2,3,4,7,8,9-hepta CDF	.397	PG/L	0.010	ND	ND	ND	ND
octa CDF	.738	PG/L	0.001	ND	ND	ND	ND

ND= not detected

DNQ= (Detected but not quantified). Estimated analyte concentration below calibration range.

SOUTH BAY WATER RECLAMATION PLANT
Daily Parameters and Metals

Annual 2013

Source: Date: Analyte	MDL Units	INFLUENT 05-FEB-2013	INFLUENT 07-MAY-2013	INFLUENT 06-AUG-2013	INFLUENT 01-OCT-2013
Aluminum	47 UG/L	1060	968	771	712
Antimony	2.9 UG/L	ND	ND	ND	6.1
Arsenic	.4 UG/L	0.7	1.1	1.3	0.9
Barium	.039 UG/L	68.8	100	90.3	87.0
Beryllium	.022 UG/L	ND	ND	ND	0.06
Boron	7 UG/L	269	299	281	263
Cadmium	.53 UG/L	ND	ND	ND	ND
Chromium	1.2 UG/L	2.9	3.3	4.8	3.1
Cobalt	.85 UG/L	ND	ND	ND	ND
Copper	2 UG/L	94	109	95	97
Iron	37 UG/L	625	1010	683	584
Lead	2 UG/L	3	ND	3	ND
Manganese	.24 UG/L	83.4	107	68.7	75.6
Mercury	.005 UG/L	0.096#	0.1	0.152	0.109
Molybdenum	.89 UG/L	6.27	6.99	8.86	5.64
Nickel	.53 UG/L	5.21	7.93	11.90	7.69
Selenium	.28 UG/L	1.32	1.60	1.73	1.72
Silver	.4 UG/L	0.5	0.5	0.8	ND
Thallium	3.9 UG/L	ND	ND	ND	10.4
Vanadium	.64 UG/L	2.22	2.40	ND	2.11
Zinc	2.5 UG/L	141	217	188	172
Calcium Hardness	.1 MG/L	168	214	154	146
Magnesium Hardness	.4 MG/L	145	127	122	102
Total Hardness	.4 MG/L	313	280	276	248
Total Alkalinity (bicarbonate)	20 MG/L	356	376	367	365
Calcium	.04 MG/L	67.4	69.4	61.8	58.5
Lithium	.002 MG/L	0.022	0.030	0.034	0.039
Magnesium	.1 MG/L	35.1	35.0	29.6	24.7
Potassium	.3 MG/L	19.2	20.8	21.3	17.0
Sodium	1 MG/L	207	214	184	164
Bromide	.1 MG/L	0.5	0.4	0.3	0.1
Chloride	7 MG/L	272	265	239	210
Fluoride	.05 MG/L	0.30	0.33	0.35	ND
Nitrate	.04 MG/L	0.12	0.08	0.08	0.11
Ortho Phosphate	.2 MG/L	10.6	11.2	11.5	11.8
Sulfate	9 MG/L	116	126	142	134
Cyanide, Total	.002 MG/L	ND	ND	ND	ND
BOD	2 MG/L	292	305	324	318
pH	PH	7.78	7.70	7.85	7.46
Settleable Solids	.1 ML/L	21.0	21.0	21.0	12.0
Turbidity	.13 NTU	135	164	157	171
Total Kjeldahl Nitrogen	1.6 MG/L	56.0	55.3	58.3	60.0
Ammonia-N	.3 MG/L	31.9	35.6	37.4	39.1
Sulfides-Total	.4 MG/L	1.97	4.95	4.38	6.19
Total Suspended Solids	1.4 MG/L	268	230	292	238
Volatile Suspended Solids	1.6 MG/L	242	208	260	210
Total Dissolved Solids	28 MG/L	1050	1030	1120	1010
MBAS (Surfactants)	.03 MG/L	10.5	9.92	11.0	10.1

#= this element was analyzed using method CVAF_1613E where the MDL is 0.0005 UG/L.

ND= Not Detected
NR= Not Required

Chromium results are for Total Chromium.

SOUTH BAY WATER RECLAMATION PLANT
Daily Parameters and Metals

Annual 2013

Source: Date: Analyte	MDL Units	EFFLUENT 05-FEB-2013	EFFLUENT 07-MAY-2013	EFFLUENT 06-AUG-2013	EFFLUENT 01-OCT-2013
Aluminum	47 UG/L	81	119	95	<47
Antimony	2.9 UG/L	ND	ND	ND	ND
Arsenic	.4 UG/L	0.5	0.7	0.7	0.6
Barium	.039 UG/L	47.3	62.7	59.0	61.6
Beryllium	.022 UG/L	ND	ND	ND	ND
Boron	7 UG/L	301	340	292	286
Cadmium	.53 UG/L	ND	ND	ND	ND
Chromium	1.2 UG/L	ND	<1.2	ND	2.8
Cobalt	.85 UG/L	ND	ND	ND	ND
Copper	2 UG/L	13	12	10	9
Iron	37 UG/L	104	80	73	64
Lead	2 UG/L	2	ND	ND	ND
Manganese	.24 UG/L	25.3	18.1	36.4	14.7
Mercury	.005 UG/L	0.002#	ND	0.006	ND
Molybdenum	.89 UG/L	5.20	3.34	6.12	2.65
Nickel	.53 UG/L	4.66	5.79	4.43	6.48
Selenium	.28 UG/L	0.39	0.59	0.69	0.65
Silver	.4 UG/L	ND	ND	ND	ND
Thallium	3.9 UG/L	ND	ND	ND	ND
Vanadium	2.64 UG/L	ND	0.77	ND	0.85
Zinc	2.5 UG/L	37.0	44.4	32.8	41.7
Calcium Hardness	.1 MG/L	161	224	166	160
Magnesium Hardness	.4 MG/L	133	126	119	107
Total Hardness	.4 MG/L	293	280	285	267
Total Alkalinity (bicarbonate)	20 MG/L	192	195	171	165
Calcium	.04 MG/L	64.3	73.6	65.8	64.2
Lithium	.002 MG/L	0.021	0.021	0.032	0.035
Magnesium	.1 MG/L	32.2	35.3	28.8	26.0
Potassium	.3 MG/L	16.6	20.0	18.4	16.3
Sodium	1 MG/L	193	226	181	173
Bromide	.1 MG/L	0.5	0.5	0.3	0.2
Chloride	7 MG/L	273	276	236	221
Fluoride	.05 MG/L	0.58	<0.05	0.51	0.50
Nitrate	.04 MG/L	29.1	39.0	28.0	34.6
Ortho Phosphate	.2 MG/L	4.2	3.1	5.8	7.7
Sulfate	9 MG/L	139	159	185	182
Cyanide, Total	.002 MG/L	ND	ND	0.002	ND
BOD	2 MG/L	13	7	8	8
pH	PH	7.31	7.42	7.36	7.34
Settleable Solids	.1 ML/L	ND	ND	ND	ND
Turbidity	.13 NTU	2.04	3.16	1.83	2.69
Total Kjeldahl Nitrogen	1.6 MG/L	5.6	2.1	NA	2.5
Chlorine Residual, Total	.03 MG/L	0.09	0.05	0.06	ND
Ammonia-N	.3 MG/L	1.7	ND	ND	ND
Sulfides-Total	.4 MG/L	ND	ND	ND	ND
Total Suspended Solids	1.4 MG/L	4.2	5.7	4.1	5.9
Volatile Suspended Solids	1.6 MG/L	3.6	5.1	3.5	4.8
Total Dissolved Solids	28 MG/L	930	1080	1160	960
MBAS (Surfactants)	.03 MG/L	0.21	0.06	0.05	0.12

#= This element was analyzed using method CVAF_1613E where the MDL is 0.0005 UG/L.

ND= Not Detected

NA= Not Analyzed

Chromium results are for Total Chromium.

SOUTH BAY WATER RECLAMATION PLANT
Daily Parameters and Metals

Annual 2013

Source: Date: Analyte	MDL Units	COMB EFF 05-FEB-2013	COMB EFF 09-MAY-2013	COMB EFF 06-AUG-2013	COMB EFF 01-OCT-2013
Aluminum	47 UG/L	118	171	106	ND
Antimony	2.9 UG/L	ND	3.2	ND	6.8
Arsenic	.4 UG/L	1.2	1.0	1.8	2.5
Barium	.039 UG/L	22.7	28.9	24.2	21.2
Beryllium	.022 UG/L	ND	ND	ND	0.03
Boron	7 UG/L	300	531	456	463
Cadmium	.53 UG/L	ND	ND	ND	ND
Chromium	1.2 UG/L	1.3	1.7	ND	2.6
Cobalt	.85 UG/L	0.98	ND	ND	ND
Copper	2 UG/L	11	7	7	4
Iron	37 UG/L	302	258	181	192
Lead	2 UG/L	3	ND	ND	ND
Manganese	.24 UG/L	52.7	144	57.3	36.0
Mercury	.005 UG/L	ND	ND	0.015	ND
Molybdenum	.89 UG/L	6.56	9.79	8.27	7.24
Nickel	.53 UG/L	11.6	22.1	12.3	31.5
Selenium	.28 UG/L	1.27	1.59	1.16	1.76
Silver	.4 UG/L	ND	ND	ND	ND
Thallium	3.9 UG/L	ND	ND	ND	ND
Vanadium	.64 UG/L	1.23	0.84	1.10	2.09
Zinc	2.5 UG/L	43.1	48.0	21.2	25.7
Calcium Hardness	.1 MG/L	241	290	211	201
Magnesium Hardness	.4 MG/L	171	150	154	152
Total Hardness	.4 MG/L	411	330	365	353
Total Alkalinity (bicarbonate)	20 MG/L	188	162	177	147
Calcium	.04 MG/L	96.3	94.9	84.7	80.5
Lithium	.002 MG/L	0.057	0.059	0.070	0.067
Magnesium	.1 MG/L	41.4	40.5	37.3	36.9
Potassium	.3 MG/L	23.6	27.0	24.3	21.6
Sodium	1 MG/L	281	290	280	273
Bromide	.1 MG/L	0.4	0.4	0.3	0.2
Chloride	7 MG/L	316	355	338	347
Fluoride	.05 MG/L	0.48	0.57	0.59	0.65
Nitrate	.04 MG/L	34.8	53.6	18.8	69.6
Ortho Phosphate	.2 MG/L	11.7	7.6	8.1	13.9
Sulfate	9 MG/L	313	306	339	359
Cyanide, Total	.002 MG/L	0.004	0.006	0.004	0.003
BOD	2 MG/L	35	12	9	6
Ph	PH	7.31	7.46^	7.62	7.69
Settleable Solids	.1 ML/L	ND	0.3^	ND	ND
Turbidity	.13 NTU	3.76	2.06	2.48	1.94
Total Kjeldahl Nitrogen	1.6 MG/L	7.4	2.7	4.4*	2.4
Chlorine Residual, Total	.03 MG/L	ND	0.05^	0.07	0.26
Ammonia-N	.3 MG/L	1.4	0.6	2.9*	ND
Sulfides-Total	.4 MG/L	ND	ND	ND	ND
Total Suspended Solids	1.4 MG/L	10.5	5.3	5.1	5.3
Volatile Suspended Solids	1.6 MG/L	8.8	4.7	3.9	4.5
Total Dissolved Solids	28 MG/L	1330	1630	1600	1520
MBAS (Surfactants)	.03 MG/L	0.63	0.23	0.14	0.20

^= These analytes were sampled on May 7, 2013.

*= These two analytes were sampled on August 25, 2013.

ND= Not Detected

Chromium results are for Total Chromium.

SOUTH BAY WATER RECLAMATION PLANT
Daily Parameters and Metals

Annual 2013

Source: Date: Analyte	MDL Units	PRI EFF 05-FEB-2013	PRI EFF 07-MAY-2013	PRI EFF 06-AUG-2013	PRI EFF 01-OCT-2013
Aluminum	47 UG/L	472	362	803	348
Antimony	2.9 UG/L	ND	ND	ND	4.9
Arsenic	.4 UG/L	0.5	0.9	0.8	0.7
Barium	.039 UG/L	65.8	74.1	168	74.1
Beryllium	.022 UG/L	ND	ND	ND	0.04
Boron	7 UG/L	278	303	639	276
Cadmium	.53 UG/L	ND	ND	0.81	ND
Chromium	1.2 UG/L	2.1	ND	4.9	3.9
Cobalt	.85 UG/L	ND	ND	ND	ND
Copper	2 UG/L	92	64	141	61
Iron	37 UG/L	466	388	880	381
Lead	2 UG/L	ND	ND	2	ND
Manganese	.24 UG/L	88.7	89.2	127	57.8
Mercury	.005 UG/L	0.01	0.014	0.056	0.048
Molybdenum	.89 UG/L	5.89	5.27	15.50	5.15
Nickel	.53 UG/L	4.58	5.62	12.20	8.17
Selenium	.28 UG/L	0.79	1.07	1.01	1.19
Silver	.4 UG/L	ND	ND	0.8	0.4
Thallium	3.9 UG/L	ND	ND	ND	9.4
Vanadium	.64 UG/L	1.64	1.23	2.10	1.65
Zinc	2.5 UG/L	111	101	268	94.1
Calcium Hardness	.1 MG/L	159	221	165	157
Magnesium Hardness	.4 MG/L	137	145	127	109
Total Hardness	.4 MG/L	296	323	292	266
Total Alkalinity (bicarbonate)	20 MG/L	334	333	321	309
Calcium	.04 MG/L	63.5	70.1	66.1	62.9
Lithium	.002 MG/L	0.023	0.028	0.036	0.035
Magnesium	.1 MG/L	33.3	34.9	30.7	26.4
Potassium	.3 MG/L	19.6	20.4	21.1	17.7
Sodium	1 MG/L	201	221	203	179
Bromide	.1 MG/L	0.4	0.4	0.3	0.2
Chloride	7 MG/L	266	275	276	222
Fluoride	.05 MG/L	0.30	0.49	0.36	0.54
Nitrate	.04 MG/L	0.13	2.36	0.06	0.09
Ortho Phosphate	.2 MG/L	12.4	9.9	9.1	7.9
Sulfate	9 MG/L	116	167	158	191
Cyanide, Total	.002 MG/L	ND	ND	ND	ND
BOD	2 MG/L	247	153	191	113
pH	PH	7.89	7.74	7.85	7.61
Settleable Solids	.1 ML/L	4.5	1.8	0.7	0.6
Turbidity	.13 NTU	67.9	65.0	102	65.5
Total Kjeldahl Nitrogen	1.6 MG/L	62.8	46.0	45.6	48.1
Ammonia-N	.3 MG/L	32.0	30.0	30.8	30.6
Sulfides-Total	.4 MG/L	0.87	ND	1.09	1.04
Total Suspended Solids	1.4 MG/L	70.0	76.0	98.0	94.0
Volatile Suspended Solids	1.6 MG/L	62.5	68.0	86.0	78.0
Total Dissolved Solids	28 MG/L	1030	1010	1190	990
MBAS (Surfactants)	.03 MG/L	7.80	5.10	5.89	4.28

ND= Not Detected

Chromium results are for Total Chromium.

SOUTH BAY WATER RECLAMATION PLANT
Daily Parameters and Metals

Annual 2013

Source: Date: Analyte	MDL Units	SEC_EFF 05-FEB-2013	SEC_EFF 07-MAY-2013	SEC_EFF 06-AUG-2013	SEC_EFF 01-OCT-2013
Aluminum	47 UG/L	81	128	113	52
Antimony	2.9 UG/L	ND	ND	ND	6.3
Arsenic	.4 UG/L	0.5	0.7	0.8	0.7
Barium	.039 UG/L	47.6	62.6	59.4	58.3
Beryllium	.022 UG/L	ND	ND	ND	0.04
Boron	7 UG/L	293	341	301	279
Cadmium	.53 UG/L	ND	ND	ND	ND
Chromium	1.2 UG/L	ND	ND	ND	2.3
Cobalt	.85 UG/L	ND	ND	ND	ND
Copper	2 UG/L	12	10	12	7
Iron	37 UG/L	65	73	75	88
Lead	2 UG/L	ND	ND	ND	ND
Manganese	.24 UG/L	26.9	17.7	33.4	12.3
Mercury	.005 UG/L	ND	0.014	0.013	0.005
Molybdenum	.89 UG/L	4.96	2.60	5.53	2.72
Nickel	.53 UG/L	4.69	4.66	5.47	6.05
Selenium	.28 UG/L	0.40	0.66	0.91	0.64
Silver	.4 UG/L	ND	ND	ND	ND
Thallium	3.9 UG/L	ND	4.2	ND	ND
Vanadium	.64 UG/L	0.83	0.72	ND	1.22
Zinc	2.5 UG/L	34.8	38.3	33.8	39.8
Calcium Hardness	.1 MG/L	179	215	164	157
Magnesium Hardness	.4 MG/L	145	149	120	107
Total Hardness	.4 MG/L	325	333	284	264
Total Alkalinity (bicarbonate)	20 MG/L	188	195	169	163
Calcium	.04 MG/L	71.9	71.6	65.6	63.0
Lithium	.002 MG/L	0.022	0.024	0.032	0.034
Magnesium	.1 MG/L	35.2	33.9	29.2	25.9
Potassium	.3 MG/L	18.3	18.3	18.7	16.7
Sodium	1 MG/L	212	215	183	176
Bromide	.1 MG/L	0.5	0.5	0.3	0.2
Chloride	7 MG/L	275	276	236	221
Fluoride	.05 MG/L	0.58	0.53	0.57	0.49
Nitrate	.04 MG/L	26.2	39.0	32.8	36.4
Ortho Phosphate	.2 MG/L	3.6	3.2	5.6	8.1
Sulfate	9 MG/L	140	157	191	183
Cyanide, Total	.002 MG/L	ND	ND	ND	ND
BOD	2 MG/L	20	7	13	6
pH	PH	7.41	7.50	7.52	7.46
Settleable Solids	.1 ML/L	0.1	ND	0.1	ND
Total Kjeldahl Nitrogen	1.6 MG/L	6.7	2.5	3.5	2.6
Ammonia-N	.3 MG/L	1.9	ND	0.9	ND
Sulfides-Total	.4 MG/L	ND	ND	ND	ND
Total Suspended Solids	1.4 MG/L	6.3	6.4	7.3	5.8
Volatile Suspended Solids	1.6 MG/L	5.7	5.6	5.0	4.9
Total Dissolved Solids	28 MG/L	910	1090	1130	990
MBAS (Surfactants)	.03 MG/L	0.23	0.08	0.03	0.11

ND= Not Detected

Chromium results are for Total Chromium.

SOUTH BAY WATER RECLAMATION PLANT
Daily Parameters and Metals

Annual 2013

Source:		RAW SLUDGE	RAW SLUDGE	RAW SLUDGE	RAW SLUDGE
Date:		05-FEB-2013	07-MAY-2013	06-AUG-2013	01-OCT-2013
Analyte	MDL Units				
Aluminum	47 UG/L	20300	37500	63300	31700
Antimony	2.9 UG/L	13.5	24.3	31.5	24.1
Arsenic	.4 UG/L	11.0	17.2	7.9	10.5
Barium	.039 UG/L	610	1700	2910	1000
Beryllium	.022 UG/L	0.196	ND	ND	0.38
Boron	7 UG/L	154	456	1060	308
Cadmium	.53 UG/L	2.55	6.71	13.70	6.09
Chromium	1.2 UG/L	104	322	286	122
Cobalt	.85 UG/L	5.62	18.4	28.8	13.7
Copper	2 UG/L	1430	3140	5260	2290
Iron	37 UG/L	19800	79700	67400	29800
Lead	2 UG/L	415	391	265	98
Manganese	.24 UG/L	457	1270	1630	860
Mercury	.005 UG/L	31.3	13.3	1.71	43.2
Molybdenum	.89 UG/L	30.5	101	175	55.7
Nickel	.53 UG/L	91	294	358	116
Selenium	.28 UG/L	26.1	25.9	15.1	21.8
Silver	.4 UG/L	22.9	49.8	49.9	27.6
Thallium	3.9 UG/L	7.9	13.2	11.2	29.3
Vanadium	.64 UG/L	33.4	105	125	49.1
Zinc	2.5 UG/L	2310	6180	11800	3930
Calcium Hardness	.1 MG/L	NR	NR	NR	206
Magnesium Hardness	.4 MG/L	NR	NR	NR	126
Total Hardness	.4 MG/L	NR	NR	NR	332
Total Alkalinity (bicarbonate)	20 MG/L	836	895	652	753
Calcium	.04 MG/L	91.0	102	73.2	82.3
Lithium	.002 MG/L	0.023	0.023	0.036	0.030
Magnesium	.1 MG/L	40.9	41.8	32.9	30.5
Potassium	.3 MG/L	29.1	34.0	28.7	24.9
Sodium	1 MG/L	215	212	196	171
Bromide	.1 MG/L	0.4	0.3	0.3	ND
Chloride	7 MG/L	270	275	248	218
Fluoride	.05 MG/L	0.20	ND	ND	ND
Nitrate	.04 MG/L	0.10	0.10	ND	0.06
Ortho Phosphate	.2 MG/L	39.3	41.3	23.9	26.9
Sulfate	9 MG/L	32	17	40	33
Cyanide, Total	.002 MG/L	0.003	0.004	ND	ND
Total Kjeldahl Nitrogen	1.6 MG/L	369	421	247	346
Sulfides-Total	.4 MG/L	30.2	41.2	39.3	46.0

ND= Not Detected
NR= Not Required

Chromium results are for Total Chromium.

SOUTH BAY WATER RECLAMATION PLANT
Daily Parameters and Metals

Annual 2013

Source: Date: Analyte	MDL Units	REC_WATER 05-FEB-2013	REC_WATER 07-MAY-2013	REC_WATER 06-AUG-2013	REC_WATER 01-OCT-2013
Aluminum	47 UG/L	74	117	95	ND
Antimony	2.9 UG/L	ND	ND	ND	ND
Arsenic	.4 UG/L	0.6	0.8	0.8	0.7
Barium	.039 UG/L	45.2	60.4	59.2	59.1
Beryllium	.022 UG/L	ND	ND	ND	ND
Boron	7 UG/L	289	331	289	282
Cadmium	.53 UG/L	ND	ND	ND	ND
Chromium	1.2 UG/L	ND	ND	ND	2.2
Cobalt	.85 UG/L	ND	ND	ND	ND
Copper	2 UG/L	10	9	8	7
Iron	37 UG/L	64	85	49	53
Lead	2 UG/L	ND	ND	ND	ND
Manganese	.24 UG/L	22.9	8.5	34.8	6.92
Mercury	.005 UG/L	ND	ND	ND	ND
Molybdenum	.89 UG/L	5.36	2.13	5.21	2.52
Nickel	.53 UG/L	5.59	4.06	5.46	6.38
Selenium	.28 UG/L	0.34	0.59	0.65	0.53
Silver	.4 UG/L	ND	ND	ND	<0.4
Thallium	3.9 UG/L	ND	5.2	ND	ND
Vanadium	.64 UG/L	1.10	0.69	ND	<0.64
Zinc	2.5 UG/L	33.6	38.9	31.4	36.8
Calcium Hardness	.1 MG/L	171	212	167	169
Magnesium Hardness	.4 MG/L	144	123	121	114
Total Hardness	.4 MG/L	315	319	288	283
Total Alkalinity (bicarbonate)	20 MG/L	197	194	176	165
Calcium	.04 MG/L	68.6	69.0	65.8	67.6
Lithium	.002 MG/L	0.021	0.022	0.032	0.033
Magnesium	.1 MG/L	35.0	33.0	29.3	27.7
Potassium	.3 MG/L	18.2	18.0	18.7	17.5
Sodium	1 MG/L	207	212	182	187
Bromide	.1 MG/L	0.5	0.4	0.3	0.2
Chloride	7 MG/L	276	282	238	223
Fluoride	.05 MG/L	0.55	0.54	0.58	0.49
Nitrate	.04 MG/L	25.8	36.2	24.8	37.4
Ortho Phosphate	.2 MG/L	4.5	3.1	6.0	7.9
Sulfate	9 MG/L	142	158	191	182
Cyanide, Total	.002 MG/L	0.002	0.003	0.525	0.003
BOD	2 MG/L	4	ND	ND	ND
pH	PH	7.38	7.45	7.39	7.35
Turbidity	.13 NTU	1.34	0.72	1.17	0.62
Total Kjeldahl Nitrogen	1.6 MG/L	5.3	ND	6.3	1.8
Ammonia-N	.3 MG/L	1.6	ND	ND	ND
Sulfides-Total	.4 MG/L	ND	ND	ND	0.56
Total Suspended Solids	1.4 MG/L	1.8	ND	ND	ND
Volatile Suspended Solids	1.6 MG/L	1.6	ND	ND	ND
Total Dissolved Solids	28 MG/L	910	1060	1150	950
MBAS (Surfactants)	.03 MG/L	0.06	0.07	0.05	0.11

ND= Not Detected

Chromium results are for Total Chromium.

SOUTH BAY WATER RECLAMATION PLANT
Ammonia-Nitrogen and Total Cyanides

Annual 2013

Total Cyanide, MDL=0.002 mg/L

Source:	INFLUENT	EFFLUENT	COMB EFF	PRI EFF	SEC EFF	RSL
05-FEB-2013	ND	ND	0.004	ND	ND	0.003
07-MAY-2013	ND	ND	NR	ND	ND	0.004
09-MAY-2013	NR	NR	0.006	NR	NR	NR
06-AUG-2013	ND	0.002	0.004	ND	ND	ND
01-OCT-2013	ND	ND	0.003	ND	ND	ND
AVERAGE	ND	0.001	0.004	ND	ND	0.002

Ammonia as Nitrogen, MDL=0.3 mg/L

Source:	INFLUENT	EFFLUENT	COMB EFF	PRI EFF	SEC EFF
05-FEB-2013	31.9	1.7	1.4	32.0	1.9
07-MAY-2013	35.6	ND	NR	30.0	ND
09-MAY-2013	NR	NR	0.6	NR	NR
06-AUG-2013	37.4	ND	3.2	30.8	0.9
25-AUG-2013	NR	NR	2.5	NR	NR
01-OCT-2013	39.1	ND	ND	30.6	ND
AVERAGE	36.0	0.4	1.5	30.9	0.7

ND= Not Detected
NR= Not Required

SOUTH BAY WATER RECLAMATION PLANT
Organophosphorus Pesticides EPA Method 614/622 (with additions)

Annual 2013

Source:		INF	INF	EFF	EFF	EFF
Date:		07-MAY-2013	01-OCT-2013	07-MAY-2013	09-MAY-2013	01-OCT-2013
Analyte	MDL Units	P661191	P677738	P661196	P661379	P677743
Demeton O	.15 UG/L	ND	ND	ND	ND	ND
Demeton S	.08 UG/L	ND	ND	ND	ND	ND
Diazinon	.03 UG/L	ND	ND	ND	ND	ND
Guthion	.15 UG/L	ND	ND	ND	ND	ND
Malathion	.03 UG/L	DNQ0.05	ND	ND	ND	ND
Parathion	.03 UG/L	ND	ND	ND	ND	ND
Dichlorvos	.05 UG/L	ND	ND	ND	ND	ND
Disulfoton	.02 UG/L	ND	ND	ND	ND	ND
Dimethoate	.04 UG/L	ND	ND	ND	ND	ND
Stirophos	.03 UG/L	ND	ND	ND	ND	ND
Coumaphos	.15 UG/L	ND	ND	ND	ND	ND
Chlorpyrifos	.03 UG/L	ND	ND	ND	ND	ND
Thiophosphorus Pesticides	.15 UG/L	0.0	0.0	0.0	0.0	0.0
Demeton -O, -S	.15 UG/L	0.0	0.0	0.0	0.0	0.0
Total Organophosphorus Pesticides	.15 UG/L	0.0	0.0	0.0	0.0	0.0

Source:		COMB EFF	COMB EFF	PRI EFF	PRI EFF	SEC EFF
Date:		09-MAY-2013	01-OCT-2013	07-MAY-2013	01-OCT-2013	07-MAY-2013
Analyte	MDL Units	P661201	P677748	P661206	P677753	P661211
Demeton O	.15 UG/L	ND	ND	ND	ND	ND
Demeton S	.08 UG/L	ND	ND	ND	ND	ND
Diazinon	.03 UG/L	DNQ0.05	DNQ0.06	ND	ND	ND
Guthion	.15 UG/L	ND	ND	ND	ND	ND
Malathion	.03 UG/L	ND	ND	DNQ0.04	ND	ND
Parathion	.03 UG/L	ND	ND	ND	ND	ND
Dichlorvos	.05 UG/L	ND	ND	ND	ND	ND
Disulfoton	.02 UG/L	ND	ND	ND	ND	ND
Dimethoate	.04 UG/L	ND	ND	ND	ND	ND
Stirophos	.03 UG/L	ND	ND	ND	ND	ND
Coumaphos	.15 UG/L	ND	ND	ND	ND	ND
Chlorpyrifos	.03 UG/L	ND	ND	ND	ND	ND
Thiophosphorus Pesticides	.15 UG/L	0.0	0.0	0.0	0.0	0.0
Demeton -O, -S	.15 UG/L	0.0	0.0	0.0	0.0	0.0
Total Organophosphorus Pesticides	.15 UG/L	0.0	0.0	0.0	0.0	0.0

Source:		SEC EFF	RSL	RSL	RECLAIM	RECLAIM
Date:		01-OCT-2013	07-MAY-2013	01-OCT-2013	07-MAY-2013	01-OCT-2013
Analyte	MDL Units	P677758	P661223	P677770	P661225	P677772
Demeton O	.15 UG/L	ND	ND	ND	ND	ND
Demeton S	.08 UG/L	ND	ND	ND	ND	ND
Diazinon	.03 UG/L	ND	ND	ND	ND	ND
Guthion	.15 UG/L	ND	ND	ND	ND	ND
Malathion	.03 UG/L	ND	ND	ND	ND	ND
Parathion	.03 UG/L	ND	ND	ND	ND	ND
Dichlorvos	.05 UG/L	ND	ND	ND	ND	ND
Disulfoton	.02 UG/L	ND	ND	ND	ND	ND
Dimethoate	.04 UG/L	ND	ND	ND	ND	ND
Stirophos	.03 UG/L	ND	ND	ND	ND	ND
Coumaphos	.15 UG/L	ND	ND	ND	ND	ND
Chlorpyrifos	.03 UG/L	ND	ND	ND	ND	ND
Thiophosphorus Pesticides	.15 UG/L	0.0	0.0	0.0	0.0	0.0
Demeton -O, -S	.15 UG/L	0.0	0.0	0.0	0.0	0.0
Total Organophosphorus Pesticides	.15 UG/L	0.0	0.0	0.0	0.0	0.0

SOUTH BAY WATER RECLAMATION PLANT
ACID EXTRACTABLE COMPOUNDS, EPA Method 625

Annual 2013

Source:			INFLUENT	INFLUENT	INFLUENT	INFLUENT
Date:			05-FEB-2013	07-MAY-2013	06-AUG-2013	01-OCT-2013
Analyte	MDL	Units	P649723	P661191	P671198	P677738
2-Chlorophenol	1.32	UG/L	ND	ND	ND	ND
2,4-Dichlorophenol	1.01	UG/L	ND	ND	ND	ND
4-Chloro-3-methylphenol	1.67	UG/L	ND	ND	ND	ND
2,4,6-Trichlorophenol	1.65	UG/L	ND	ND	ND	ND
Pentachlorophenol	1.12	UG/L	ND	ND	ND	ND
Phenol	1.76	UG/L	28.3	46.9	51.2	59.5
2-Nitrophenol	1.55	UG/L	ND	ND	ND	ND
2,4-Dimethylphenol	2.01	UG/L	ND	ND	ND	ND
2,4-Dinitrophenol	2.16	UG/L	ND	ND	ND	ND
4-Nitrophenol	1.14	UG/L	ND	ND	ND	ND
2-Methyl-4,6-dinitrophenol	1.52	UG/L	ND	ND	ND	ND
Total Chlorinated Phenols	1.67	UG/L	0.0	0.0	0.0	0.0
Total Non-Chlorinated Phenols	2.16	UG/L	28.3	46.9	51.2	59.5
Total Phenols	2.16	UG/L	28.3	46.9	51.2	59.5

Additional analytes determined

2-Methylphenol	2.15	UG/L	ND	ND	ND	ND
3-Methylphenol(4-MP is unresolved)		UG/L	NA	NA	NA	NA
4-Methylphenol(3-MP is unresolved)	2.11	UG/L	87.6	116	113	126
2,4,5-Trichlorophenol	1.66	UG/L	ND	ND	ND	ND

Source:			EFFLUENT	EFFLUENT	EFFLUENT	EFFLUENT
Date:			05-FEB-2013	07-MAY-2013	06-AUG-2013	01-OCT-2013
Analyte	MDL	Units	P649728	P661196	P671203	P677743
2-Chlorophenol	1.32	UG/L	ND	ND	ND	ND
2,4-Dichlorophenol	1.01	UG/L	ND	ND	ND	ND
4-Chloro-3-methylphenol	1.67	UG/L	ND	ND	ND	ND
2,4,6-Trichlorophenol	1.65	UG/L	ND	ND	ND	ND
Pentachlorophenol	1.12	UG/L	ND	ND	ND	ND
Phenol	1.76	UG/L	ND	ND	ND	ND
2-Nitrophenol	1.55	UG/L	ND	ND	ND	ND
2,4-Dimethylphenol	2.01	UG/L	ND	ND	ND	ND
2,4-Dinitrophenol	2.16	UG/L	ND	ND	ND	ND
4-Nitrophenol	1.14	UG/L	ND	ND	ND	ND
2-Methyl-4,6-dinitrophenol	1.52	UG/L	ND	ND	ND	ND
Total Chlorinated Phenols	1.67	UG/L	0.0	0.0	0.0	0.0
Total Non-Chlorinated Phenols	2.16	UG/L	0.0	0.0	0.0	0.0
Total Phenols	2.16	UG/L	0.0	0.0	0.0	0.0

Additional analytes determined

2-Methylphenol	2.15	UG/L	ND	ND	ND	ND
3-Methylphenol(4-MP is unresolved)		UG/L	NA	NA	NA	NA
4-Methylphenol(3-MP is unresolved)	2.11	UG/L	ND	ND	ND	ND
2,4,5-Trichlorophenol	1.66	UG/L	ND	ND	ND	ND

ND= not detected
NA= not analyzed

SOUTH BAY WATER RECLAMATION PLANT
ACID EXTRACTABLE COMPOUNDS, EPA Method 625

Annual 2013

Source:			COMB EFF	COMB EFF	COMB EFF	COMB EFF
Date:			05-FEB-2013	09-MAY-2013	06-AUG-2013	01-OCT-2013
Analyte	MDL	Units	P649733	P661201	P671208	P677748
2-Chlorophenol	1.32	UG/L	ND	ND	ND	ND
2,4-Dichlorophenol	1.01	UG/L	ND	ND	ND	ND
4-Chloro-3-methylphenol	1.67	UG/L	ND	ND	ND	ND
2,4,6-Trichlorophenol	1.65	UG/L	ND	ND	ND	ND
Pentachlorophenol	1.12	UG/L	ND	ND	ND	ND
Phenol	1.76	UG/L	ND	ND	ND	ND
2-Nitrophenol	1.55	UG/L	ND	ND	ND	ND
2,4-Dimethylphenol	2.01	UG/L	ND	ND	ND	ND
2,4-Dinitrophenol	2.16	UG/L	ND	ND	ND	ND
4-Nitrophenol	1.14	UG/L	ND	ND	ND	ND
2-Methyl-4,6-dinitrophenol	1.52	UG/L	ND	ND	ND	ND
Total Chlorinated Phenols	1.67	UG/L	0.0	0.0	0.0	0.0
Total Non-Chlorinated Phenols	2.16	UG/L	0.0	0.0	0.0	0.0
Total Phenols	2.16	UG/L	0.0	0.0	0.0	0.0

Additional analytes determined

2-Methylphenol	2.15	UG/L	ND	ND	ND	ND
3-Methylphenol(4-MP is unresolved)		UG/L	NA	NA	NA	NA
4-Methylphenol(3-MP is unresolved)	2.11	UG/L	ND	ND	ND	ND
2,4,5-Trichlorophenol	1.66	UG/L	ND	ND	ND	ND

Source:			PRI EFF	PRI EFF	PRI EFF	PRI EFF
Date:			05-FEB-2013	07-MAY-2013	06-AUG-2013	01-OCT-2013
Analyte	MDL	Units	P649738	P661206	P671213	P677753
2-Chlorophenol	1.32	UG/L	ND	ND	ND	ND
2,4-Dichlorophenol	1.01	UG/L	ND	ND	ND	ND
4-Chloro-3-methylphenol	1.67	UG/L	ND	ND	ND	ND
2,4,6-Trichlorophenol	1.65	UG/L	ND	ND	ND	ND
Pentachlorophenol	1.12	UG/L	ND	ND	ND	ND
Phenol	1.76	UG/L	41.5	11.7	19.9	17.2
2-Nitrophenol	1.55	UG/L	ND	ND	ND	ND
2,4-Dimethylphenol	2.01	UG/L	ND	ND	ND	ND
2,4-Dinitrophenol	2.16	UG/L	ND	ND	ND	ND
4-Nitrophenol	1.14	UG/L	ND	ND	ND	ND
2-Methyl-4,6-dinitrophenol	1.52	UG/L	ND	ND	ND	ND
Total Chlorinated Phenols	1.67	UG/L	0.0	0.0	0.0	0.0
Total Non-Chlorinated Phenols	2.16	UG/L	41.5	11.7	19.9	17.2
Total Phenols	2.16	UG/L	41.5	11.7	19.9	17.2

Additional analytes determined

2-Methylphenol	2.15	UG/L	ND	ND	ND	ND
3-Methylphenol(4-MP is unresolved)		UG/L	NA	NA	NA	NA
4-Methylphenol(3-MP is unresolved)	2.11	UG/L	116	19.0	50.7	31.8
2,4,5-Trichlorophenol	1.66	UG/L	ND	ND	ND	ND

ND= not detected
NA= not analyzed

SOUTH BAY WATER RECLAMATION PLANT
ACID EXTRACTABLE COMPOUNDS, EPA Method 625

Annual 2013

Source:			SEC EFF	SEC EFF	SEC EFF	SEC EFF
Date:			05-FEB-2013	07-MAY-2013	06-AUG-2013	01-OCT-2013
Analyte	MDL	Units	P649743	P661211	P671218	P677758
2-Chlorophenol	1.32	UG/L	ND	ND	ND	ND
2,4-Dichlorophenol	1.01	UG/L	ND	ND	ND	ND
4-Chloro-3-methylphenol	1.67	UG/L	ND	ND	ND	ND
2,4,6-Trichlorophenol	1.65	UG/L	ND	ND	ND	ND
Pentachlorophenol	1.12	UG/L	ND	ND	ND	ND
Phenol	1.76	UG/L	ND	ND	ND	ND
2-Nitrophenol	1.55	UG/L	ND	ND	ND	ND
2,4-Dimethylphenol	2.01	UG/L	ND	ND	ND	ND
2,4-Dinitrophenol	2.16	UG/L	ND	ND	ND	ND
4-Nitrophenol	1.14	UG/L	ND	ND	ND	ND
2-Methyl-4,6-dinitrophenol	1.52	UG/L	ND	ND	ND	ND
=====						
Total Chlorinated Phenols	1.67	UG/L	0.0	0.0	0.0	0.0
Total Non-Chlorinated Phenols	2.16	UG/L	0.0	0.0	0.0	0.0
=====						
Total Phenols	2.16	UG/L	0.0	0.0	0.0	0.0

Additional analytes determined

2-Methylphenol	2.15	UG/L	ND	ND	ND	ND
3-Methylphenol(4-MP is unresolved)		UG/L	NA	NA	NA	NA
4-Methylphenol(3-MP is unresolved)	2.11	UG/L	ND	ND	ND	ND
2,4,5-Trichlorophenol	1.66	UG/L	ND	ND	ND	ND

Source:			RSL	RSL	RSL	RSL
Date:			05-FEB-2013	07-MAY-2013	06-AUG-2013	01-OCT-2013
Analyte	MDL	Units	P649757	P661223	P671232	P677770
2-Chlorophenol	1.32	UG/L	ND	ND	ND	ND
2,4-Dichlorophenol	1.01	UG/L	ND	ND	ND	ND
4-Chloro-3-methylphenol	1.67	UG/L	ND	ND	ND	ND
2,4,6-Trichlorophenol	1.65	UG/L	ND	ND	ND	ND
Pentachlorophenol	1.12	UG/L	ND	ND	ND	ND
Phenol	1.76	UG/L	82.7	94.3	82.6	94.6
2-Nitrophenol	1.55	UG/L	ND	ND	ND	ND
2,4-Dimethylphenol	2.01	UG/L	ND	ND	ND	ND
2,4-Dinitrophenol	2.16	UG/L	ND	ND	ND	ND
4-Nitrophenol	1.14	UG/L	ND	ND	ND	ND
2-Methyl-4,6-dinitrophenol	1.52	UG/L	ND	ND	ND	ND
=====						
Total Chlorinated Phenols	1.67	UG/L	0.0	0.0	0.0	0.0
Total Non-Chlorinated Phenols	2.16	UG/L	82.7	94.3	82.6	94.6
=====						
Total Phenols	2.16	UG/L	82.7	94.3	82.6	94.6

Additional analytes determined

2-Methylphenol	2.15	UG/L	ND	ND	ND	ND
3-Methylphenol(4-MP is unresolved)		UG/L	NA	NA	NA	NA
4-Methylphenol(3-MP is unresolved)	2.11	UG/L	165	181	137	208
2,4,5-Trichlorophenol	1.66	UG/L	ND	ND	ND	ND

SOUTH BAY WATER RECLAMATION PLANT
ACID EXTRACTABLE COMPOUNDS, EPA Method 625

Annual 2013

Source:		REC WATER	REC WATER	REC WATER	REC WATER
Date:		05-FEB-2013	07-MAY-2013	06-AUG-2013	01-OCT-2013
Analyte	MDL Units	P649759	P661225	P671234	P677772
2-Chlorophenol	1.32 UG/L	ND	ND	ND	ND
2,4-Dichlorophenol	1.01 UG/L	ND	ND	ND	ND
4-Chloro-3-methylphenol	1.67 UG/L	ND	ND	ND	ND
2,4,6-Trichlorophenol	1.65 UG/L	ND	ND	ND	ND
Pentachlorophenol	1.12 UG/L	ND	ND	ND	ND
Phenol	1.76 UG/L	ND	ND	ND	ND
2-Nitrophenol	1.55 UG/L	ND	ND	ND	ND
2,4-Dimethylphenol	2.01 UG/L	ND	ND	ND	ND
2,4-Dinitrophenol	2.16 UG/L	ND	ND	ND	ND
4-Nitrophenol	1.14 UG/L	ND	ND	ND	ND
2-Methyl-4,6-dinitrophenol	1.52 UG/L	ND	ND	ND	ND
Total Chlorinated Phenols	1.67 UG/L	0.0	0.0	0.0	0.0
Total Non-Chlorinated Phenols	2.16 UG/L	0.0	0.0	0.0	0.0
Total Phenols	2.16 UG/L	0.0	0.0	0.0	0.0

Additional analytes determined

2-Methylphenol	2.15 UG/L	ND	ND	ND	ND
3-Methylphenol(4-MP is unresolved)	UG/L	NA	NA	NA	NA
4-Methylphenol(3-MP is unresolved)	2.11 UG/L	ND	ND	ND	ND
2,4,5-Trichlorophenol	1.66 UG/L	ND	ND	ND	ND

ND= not detected
NA= not analyzed

SOUTH BAY WATER RECLAMATION PLANT
Priority Pollutants Purgeable Compounds, EPA Method 624 & 8260B

Annual 2013

Source:		SB_INF_02	SB_INF_02	SB_INF_02	SB_INF_02
Date:		05-FEB-2013	07-MAY-2013	06-AUG-2013	01-OCT-2013
Analyte	MDL Units	P649726	P661194	P671201	P677741
Acrolein	1.3 UG/L	ND	ND	ND	ND
Acrylonitrile	.7 UG/L	ND	ND	ND	ND
Benzene	.4 UG/L	ND	ND	ND	ND
Bromodichloromethane	.5 UG/L	ND	ND	ND	ND
Bromoform	.5 UG/L	ND	ND	ND	ND
Bromomethane	.7 UG/L	ND	ND	ND	ND
Carbon tetrachloride	.4 UG/L	ND	ND	ND	ND
Chlorobenzene	.4 UG/L	ND	ND	ND	ND
Chloroethane	.9 UG/L	ND	ND	ND	ND
2-Chloroethylvinyl ether	1.1 UG/L	ND	ND	ND	ND
Chloroform	.2 UG/L	2.9	7.0	1.7	1.2
Chloromethane	.5 UG/L	ND	ND	ND	ND
Dibromochloromethane	.6 UG/L	ND	ND	ND	ND
1,2-Dichlorobenzene	.4 UG/L	ND	ND	ND	ND
1,3-Dichlorobenzene	.5 UG/L	ND	ND	ND	ND
1,4-Dichlorobenzene	.4 UG/L	0.43*	DNQ0.7	DNQ0.5	DNQ0.5
Dichlorodifluoromethane	.66 UG/L	ND	ND	ND	ND
1,1-Dichloroethane	.4 UG/L	ND	ND	ND	ND
1,2-Dichloroethane	.5 UG/L	ND	ND	ND	ND
1,1-Dichloroethene	.4 UG/L	ND	ND	ND	ND
trans-1,2-dichloroethene	.6 UG/L	ND	ND	ND	ND
1,2-Dichloropropane	.3 UG/L	ND	ND	ND	ND
cis-1,3-dichloropropene	.3 UG/L	ND	ND	ND	ND
trans-1,3-dichloropropene	.5 UG/L	ND	ND	ND	ND
Ethylbenzene	.3 UG/L	ND	ND	ND	ND
Methylene chloride	.3 UG/L	ND	ND	2.5	ND
1,1,2,2-Tetrachloroethane	.5 UG/L	ND	ND	ND	ND
Tetrachloroethene	1.1 UG/L	ND	ND	ND	ND
Toluene	.4 UG/L	DNQ0.6	DNQ1.0	DNQ0.6	2.8
1,1,1-Trichloroethane	.4 UG/L	ND	ND	ND	ND
1,1,2-Trichloroethane	.5 UG/L	ND	ND	ND	ND
Trichloroethene	.7 UG/L	ND	ND	ND	ND
Trichlorofluoromethane	.3 UG/L	ND	ND	ND	ND
Vinyl chloride	.4 UG/L	ND	ND	ND	ND
1,2,4-Trichlorobenzene	.7 UG/L	ND	ND	ND	ND
Halomethane Purgeable Cmpnds	.7 UG/L	0.0	0.0	0.0	0.0
Total Dichlorobenzenes	.5 UG/L	0.0	0.0	0.0	0.0
Total Chloromethanes	.5 UG/L	2.9	7.0	1.7	1.2
Purgeable Compounds	1.3 UG/L	2.9	7.0	4.2	4.0

Additional Analytes Determined

Acetone	4.5 UG/L	135	175	196	290
Allyl chloride	.6 UG/L	ND	ND	ND	ND
Benzyl chloride	1.1 UG/L	ND	ND	ND	ND
1,2-Dibromoethane	.3 UG/L	ND	ND	ND	ND
2-Butanone	6.3 UG/L	ND	ND	ND	ND
Carbon disulfide	.6 UG/L	1.5	1.6	1.2	1.7
Chloroprene	.4 UG/L	ND	ND	ND	ND
Isopropylbenzene	.3 UG/L	ND	ND	ND	ND
Methyl Iodide	.6 UG/L	ND	ND	ND	ND
Methyl methacrylate	.8 UG/L	ND	ND	ND	ND
4-Methyl-2-pentanone	1.3 UG/L	ND	ND	ND	ND
meta,para xylenes	.6 UG/L	ND	ND	ND	ND
Methyl tert-butyl ether	.4 UG/L	ND	ND	ND	ND
2-Nitropropane	12 UG/L	ND	ND	ND	ND
ortho-xylene	.4 UG/L	ND	ND	ND	ND
Styrene	.3 UG/L	ND	ND	DNQ0.9	ND

ND= not detected

*= Blank did not meet QC criteria for this analyte due to contamination. Result is not used in computations.

SOUTH BAY WATER RECLAMATION PLANT
Priority Pollutants Purgeable Compounds, EPA Method 624 & 8260B

Annual 2013

Source:		SB_OUTFALL_01	SB_OUTFALL_01	SB_OUTFALL_01	SB_OUTFALL_01
Date:		05-FEB-2013	07-MAY-2013	06-AUG-2013	01-OCT-2013
Analyte	MDL Units	P649731	P661199	P671206	P677746
Acrolein	1.3 UG/L	ND	ND	ND	ND
Acrylonitrile	.7 UG/L	ND	ND	ND	ND
Benzene	.4 UG/L	ND	ND	ND	ND
Bromodichloromethane	.5 UG/L	ND	ND	ND	ND
Bromoform	.5 UG/L	ND	ND	ND	ND
Bromomethane	.7 UG/L	ND	ND	ND	ND
Carbon tetrachloride	.4 UG/L	ND	ND	ND	ND
Chlorobenzene	.4 UG/L	ND	ND	ND	ND
Chloroethane	.9 UG/L	ND	ND	ND	ND
2-Chloroethylvinyl ether	1.1 UG/L	ND	ND	ND	ND
Chloroform	.2 UG/L	ND	ND	ND	DNQ0.8
Chloromethane	.5 UG/L	ND	ND	ND	ND
Dibromochloromethane	.6 UG/L	ND	ND	ND	ND
1,2-Dichlorobenzene	.4 UG/L	ND	ND	ND	ND
1,3-Dichlorobenzene	.5 UG/L	ND	ND	ND	ND
1,4-Dichlorobenzene	.4 UG/L	0.49*	ND	ND	ND
Dichlorodifluoromethane	.66 UG/L	ND	ND	ND	ND
1,1-Dichloroethane	.4 UG/L	ND	ND	ND	ND
1,2-Dichloroethane	.5 UG/L	ND	ND	ND	ND
1,1-Dichloroethene	.4 UG/L	ND	ND	ND	ND
trans-1,2-dichloroethene	.6 UG/L	ND	ND	ND	ND
1,2-Dichloropropane	.3 UG/L	ND	ND	ND	ND
cis-1,3-dichloropropene	.3 UG/L	ND	ND	ND	ND
trans-1,3-dichloropropene	.5 UG/L	ND	ND	ND	ND
Ethylbenzene	.3 UG/L	ND	ND	ND	ND
Methylene chloride	.3 UG/L	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	.5 UG/L	ND	ND	ND	ND
Tetrachloroethene	1.1 UG/L	ND	ND	ND	ND
Toluene	.4 UG/L	ND	ND	ND	ND
1,1,1-Trichloroethane	.4 UG/L	ND	ND	ND	ND
1,1,2-Trichloroethane	.5 UG/L	ND	ND	ND	ND
Trichloroethene	.7 UG/L	ND	ND	ND	ND
Trichlorofluoromethane	.3 UG/L	ND	ND	ND	ND
Vinyl chloride	.4 UG/L	ND	ND	ND	ND
1,2,4-Trichlorobenzene	.7 UG/L	ND	ND	ND	ND
Halomethane Purgeable Cmpnds	.7 UG/L	0.0	0.0	0.0	0.0
Total Dichlorobenzenes	.5 UG/L	0.0	0.0	0.0	0.0
Total Chloromethanes	.5 UG/L	0.0	0.0	0.0	0.0
Purgeable Compounds	1.3 UG/L	0.0	0.0	0.0	0.0

Additional Analytes Determined

Acetone	4.5 UG/L	ND	ND	ND	ND
Allyl chloride	.6 UG/L	ND	ND	ND	ND
Benzyl chloride	1.1 UG/L	ND	ND	ND	ND
1,2-Dibromoethane	.3 UG/L	ND	ND	ND	ND
2-Butanone	6.3 UG/L	ND	ND	ND	ND
Carbon disulfide	.6 UG/L	ND	ND	ND	ND
Chloroprene	.4 UG/L	ND	ND	ND	ND
Isopropylbenzene	.3 UG/L	ND	ND	ND	ND
Methyl Iodide	.6 UG/L	ND	ND	ND	ND
Methyl methacrylate	.8 UG/L	ND	ND	ND	ND
4-Methyl-2-pentanone	1.3 UG/L	ND	ND	ND	ND
meta,para xylenes	.6 UG/L	ND	ND	ND	ND
Methyl tert-butyl ether	.4 UG/L	ND	ND	ND	ND
2-Nitropropane	12 UG/L	ND	ND	ND	ND
ortho-xylene	.4 UG/L	ND	ND	ND	ND
Styrene	.3 UG/L	ND	ND	ND	ND

ND= not detected

*= Blank did not meet QC criteria for this analyte due to contamination. Result is not used in computations.

SOUTH BAY WATER RECLAMATION PLANT
Priority Pollutants Purgeable Compounds, EPA Method 624 & 8260B

Annual 2013

Source:		SB_ITP_COMB_EFF	SB_ITP_COMB_EFF	SB_ITP_COMB_EFF	SB_ITP_COMB_EFF
Date:		05-FEB-2013	07-MAY-2013	06-AUG-2013	01-OCT-2013
Analyte	MDL Units	P649736	P661204	P671211	P677751
Acrolein	1.3 UG/L	ND	ND	ND	ND
Acrylonitrile	.7 UG/L	ND	ND	ND	ND
Benzene	.4 UG/L	ND	ND	ND	ND
Bromodichloromethane	.5 UG/L	1.6	1.4	ND	ND
Bromoform	.5 UG/L	ND	ND	ND	ND
Bromomethane	.7 UG/L	ND	ND	ND	ND
Carbon tetrachloride	.4 UG/L	ND	ND	ND	ND
Chlorobenzene	.4 UG/L	ND	ND	ND	ND
Chloroethane	.9 UG/L	ND	ND	ND	ND
2-Chloroethylvinyl ether	1.1 UG/L	ND	ND	ND	ND
Chloroform	.2 UG/L	3.4	2.0	ND	1.5
Chloromethane	.5 UG/L	ND	ND	ND	ND
Dibromochloromethane	.6 UG/L	DNQ0.9	1.0	ND	ND
1,2-Dichlorobenzene	.4 UG/L	ND	ND	ND	ND
1,3-Dichlorobenzene	.5 UG/L	ND	ND	ND	ND
1,4-Dichlorobenzene	.4 UG/L	1.2*	1.4	DNQ1.0	DNQ1.2
Dichlorodifluoromethane	.66 UG/L	ND	ND	ND	ND
1,1-Dichloroethane	.4 UG/L	ND	ND	ND	ND
1,2-Dichloroethane	.5 UG/L	ND	ND	ND	ND
1,1-Dichloroethene	.4 UG/L	ND	ND	ND	ND
trans-1,2-dichloroethene	.6 UG/L	ND	ND	ND	ND
1,2-Dichloropropane	.3 UG/L	ND	ND	ND	ND
cis-1,3-dichloropropene	.3 UG/L	ND	ND	ND	ND
trans-1,3-dichloropropene	.5 UG/L	ND	ND	ND	ND
Ethylbenzene	.3 UG/L	ND	ND	ND	ND
Methylene chloride	.3 UG/L	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	.5 UG/L	ND	ND	ND	ND
Tetrachloroethene	1.1 UG/L	ND	ND	ND	ND
Toluene	.4 UG/L	ND	1.5	ND	ND
1,1,1-Trichloroethane	.4 UG/L	ND	ND	ND	ND
1,1,2-Trichloroethane	.5 UG/L	ND	ND	ND	ND
Trichloroethene	.7 UG/L	ND	ND	ND	ND
Trichlorofluoromethane	.3 UG/L	ND	ND	ND	ND
Vinyl chloride	.4 UG/L	ND	ND	ND	ND
1,2,4-Trichlorobenzene	.7 UG/L	ND	ND	ND	ND
Halomethane Purgeable Cmpnds	.7 UG/L	0.0	0.0	0.0	0.0
Total Dichlorobenzenes	.5 UG/L	0.0	0.0	0.0	0.0
Total Chloromethanes	.5 UG/L	3.4	2.0	0.0	1.5
Purgeable Compounds	1.3 UG/L	5.0	7.3	0.0	1.5

Additional Analytes Determined

Acetone	4.5 UG/L	ND	ND	ND	ND
Allyl chloride	.6 UG/L	ND	ND	ND	ND
Benzyl chloride	1.1 UG/L	ND	ND	ND	ND
1,2-Dibromoethane	.3 UG/L	ND	ND	ND	ND
2-Butanone	6.3 UG/L	ND	ND	ND	ND
Carbon disulfide	.6 UG/L	ND	ND	ND	ND
Chloroprene	.4 UG/L	ND	ND	ND	ND
Isopropylbenzene	.3 UG/L	ND	ND	ND	ND
Methyl Iodide	.6 UG/L	ND	ND	ND	ND
Methyl methacrylate	.8 UG/L	ND	ND	ND	ND
4-Methyl-2-pentanone	1.3 UG/L	ND	ND	ND	ND
meta,para xylenes	.6 UG/L	ND	ND	ND	ND
Methyl tert-butyl ether	.4 UG/L	ND	ND	ND	ND
2-Nitropropane	12 UG/L	ND	ND	ND	ND
ortho-xylene	.4 UG/L	ND	ND	ND	ND
Styrene	.3 UG/L	ND	ND	ND	ND

ND= not detected

*= Blank did not meet QC criteria for this analyte due to contamination. Result is not used in computations.

SOUTH BAY WATER RECLAMATION PLANT
Priority Pollutants Purgeable Compounds, EPA Method 624 & 8260B

Annual 2013

Source:		SB_SEC_EFF_20	SB_SEC_EFF_20	SB_SEC_EFF_20	SB_SEC_EFF_20
Date:		05-FEB-2013	07-MAY-2013	06-AUG-2013	01-OCT-2013
Analyte	MDL Units	P649746	P661214	P671221	P677761
Acrolein	1.3 UG/L	ND	ND	ND	ND
Acrylonitrile	.7 UG/L	ND	ND	ND	ND
Benzene	.4 UG/L	ND	ND	ND	ND
Bromodichloromethane	.5 UG/L	ND	ND	ND	ND
Bromoform	.5 UG/L	ND	ND	ND	ND
Bromomethane	.7 UG/L	ND	ND	ND	ND
Carbon tetrachloride	.4 UG/L	ND	ND	ND	ND
Chlorobenzene	.4 UG/L	ND	ND	ND	ND
Chloroethane	.9 UG/L	ND	ND	ND	ND
2-Chloroethylvinyl ether	1.1 UG/L	ND	ND	ND	ND
Chloroform	.2 UG/L	ND	ND	ND	ND
Chloromethane	.5 UG/L	ND	ND	ND	ND
Dibromochloromethane	.6 UG/L	ND	ND	ND	ND
1,2-Dichlorobenzene	.4 UG/L	ND	ND	ND	ND
1,3-Dichlorobenzene	.5 UG/L	ND	ND	ND	ND
1,4-Dichlorobenzene	.4 UG/L	ND	ND	ND	ND
Dichlorodifluoromethane	.66 UG/L	ND	ND	ND	ND
1,1-Dichloroethane	.4 UG/L	ND	ND	ND	ND
1,2-Dichloroethane	.5 UG/L	ND	ND	ND	ND
1,1-Dichloroethene	.4 UG/L	ND	ND	ND	ND
trans-1,2-dichloroethene	.6 UG/L	ND	ND	ND	ND
1,2-Dichloropropane	.3 UG/L	ND	ND	ND	ND
cis-1,3-dichloropropene	.3 UG/L	ND	ND	ND	ND
trans-1,3-dichloropropene	.5 UG/L	ND	ND	ND	ND
Ethylbenzene	.3 UG/L	ND	ND	ND	ND
Methylene chloride	.3 UG/L	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	.5 UG/L	ND	ND	ND	ND
Tetrachloroethene	1.1 UG/L	ND	ND	ND	ND
Toluene	.4 UG/L	ND	ND	ND	ND
1,1,1-Trichloroethane	.4 UG/L	ND	ND	ND	ND
1,1,2-Trichloroethane	.5 UG/L	ND	ND	ND	ND
Trichloroethene	.7 UG/L	ND	ND	ND	ND
Trichlorofluoromethane	.3 UG/L	ND	ND	ND	ND
Vinyl chloride	.4 UG/L	ND	ND	ND	ND
1,2,4-Trichlorobenzene	.7 UG/L	ND	ND	ND	ND
Halomethane Purgeable Cmpnds	.7 UG/L	0.0	0.0	0.0	0.0
Total Dichlorobenzenes	.5 UG/L	0.0	0.0	0.0	0.0
Total Chloromethanes	.5 UG/L	0.0	0.0	0.0	0.0
Purgeable Compounds	1.3 UG/L	0.0	0.0	0.0	0.0
Additional Analytes Determined					
Acetone	4.5 UG/L	ND	ND	ND	ND
Allyl chloride	.6 UG/L	ND	ND	ND	ND
Benzyl chloride	1.1 UG/L	ND	ND	ND	ND
1,2-Dibromoethane	.3 UG/L	ND	ND	ND	ND
2-Butanone	6.3 UG/L	ND	ND	ND	ND
Carbon disulfide	.6 UG/L	ND	ND	ND	ND
Chloroprene	.4 UG/L	ND	ND	ND	ND
Isopropylbenzene	.3 UG/L	ND	ND	ND	ND
Methyl Iodide	.6 UG/L	ND	ND	ND	ND
Methyl methacrylate	.8 UG/L	ND	ND	ND	ND
4-Methyl-2-pentanone	1.3 UG/L	ND	ND	ND	ND
meta,para xylenes	.6 UG/L	ND	ND	ND	ND
Methyl tert-butyl ether	.4 UG/L	ND	ND	ND	ND
2-Nitropropane	12 UG/L	ND	ND	ND	ND
ortho-xylene	.4 UG/L	ND	ND	ND	ND
Styrene	.3 UG/L	ND	ND	ND	ND

ND= not detected

SOUTH BAY WATER RECLAMATION PLANT
Priority Pollutants Purgeable Compounds, EPA Method 624 & 8260B

Annual 2013

Source:		SB_REC_WATER_34	SB_REC_WATER_34	SB_REC_WATER_34	SB_REC_WATER_34
Date:		05-FEB-2013	07-MAY-2013	06-AUG-2013	01-OCT-2013
Analyte	MDL Units	P649762	P661228	P671237	P677775
Acrolein	1.3 UG/L	ND	ND	ND	ND
Acrylonitrile	.7 UG/L	ND	ND	ND	ND
Benzene	.4 UG/L	ND	ND	ND	ND
Bromodichloromethane	.5 UG/L	ND	33.9	ND	9.6
Bromoform	.5 UG/L	ND	3.0	ND	ND
Bromomethane	.7 UG/L	ND	ND	ND	ND
Carbon tetrachloride	.4 UG/L	ND	ND	ND	ND
Chlorobenzene	.4 UG/L	ND	ND	ND	ND
Chloroethane	.9 UG/L	ND	ND	ND	ND
2-Chloroethylvinyl ether	1.1 UG/L	ND	ND	ND	ND
Chloroform	.2 UG/L	DNQ0.5	25.3	DNQ0.4	14.0
Chloromethane	.5 UG/L	ND	ND	ND	ND
Dibromochloromethane	.6 UG/L	ND	20.2	ND	4.1
1,2-Dichlorobenzene	.4 UG/L	ND	ND	ND	ND
1,3-Dichlorobenzene	.5 UG/L	ND	ND	ND	ND
1,4-Dichlorobenzene	.4 UG/L	ND	ND	ND	ND
Dichlorodifluoromethane	.66 UG/L	ND	ND	ND	ND
1,1-Dichloroethane	.4 UG/L	ND	ND	ND	ND
1,2-Dichloroethane	.5 UG/L	ND	ND	ND	ND
1,1-Dichloroethene	.4 UG/L	ND	ND	ND	ND
trans-1,2-dichloroethene	.6 UG/L	ND	ND	ND	ND
1,2-Dichloropropane	.3 UG/L	ND	ND	ND	ND
cis-1,3-dichloropropene	.3 UG/L	ND	ND	ND	ND
trans-1,3-dichloropropene	.5 UG/L	ND	ND	ND	ND
Ethylbenzene	.3 UG/L	ND	ND	ND	ND
Methylene chloride	.3 UG/L	ND	ND	DNQ0.4	DNQ0.4
1,1,1,2-Tetrachloroethane	.5 UG/L	ND	ND	ND	ND
Tetrachloroethene	1.1 UG/L	ND	ND	ND	ND
Toluene	.4 UG/L	ND	ND	ND	ND
1,1,1-Trichloroethane	.4 UG/L	ND	ND	ND	ND
1,1,2-Trichloroethane	.5 UG/L	ND	ND	ND	ND
Trichloroethene	.7 UG/L	ND	ND	ND	ND
Trichlorofluoromethane	.3 UG/L	ND	ND	ND	ND
Vinyl chloride	.4 UG/L	ND	ND	ND	ND
1,2,4-Trichlorobenzene	.7 UG/L	ND	ND	ND	ND
===== Halomethane Purgeable Cmpnds	.7 UG/L	0.0	3.0	0.0	0.0
===== Total Dichlorobenzenes	.5 UG/L	0.0	0.0	0.0	0.0
===== Total Chloromethanes	.5 UG/L	0.0	25.3	0.0	14.0
===== Purgeable Compounds	1.3 UG/L	0.0	82.4	0.0	27.7
Additional Analytes Determined					
===== Acetone	4.5 UG/L	ND	DNQ6.1	ND	ND
Allyl chloride	.6 UG/L	ND	ND	ND	ND
Benzyl chloride	1.1 UG/L	ND	ND	ND	ND
1,2-Dibromoethane	.3 UG/L	ND	ND	ND	ND
2-Butanone	6.3 UG/L	ND	ND	ND	ND
Carbon disulfide	.6 UG/L	ND	ND	ND	ND
Chloroprene	.4 UG/L	ND	ND	ND	ND
Isopropylbenzene	.3 UG/L	ND	ND	ND	ND
Methyl Iodide	.6 UG/L	ND	ND	ND	ND
Methyl methacrylate	.8 UG/L	ND	ND	ND	ND
4-Methyl-2-pentanone	1.3 UG/L	ND	ND	ND	ND
meta,para xylenes	.6 UG/L	ND	ND	ND	ND
Methyl tert-butyl ether	.4 UG/L	ND	ND	ND	ND
2-Nitropropane	12 UG/L	ND	ND	ND	ND
ortho-xylene	.4 UG/L	ND	ND	ND	ND
Styrene	.3 UG/L	ND	ND	ND	ND

ND= not detected

SOUTH BAY WATER RECLAMATION PLANT
Priority Pollutants Purgeable Compounds, EPA Method 624 & 8260B

Annual 2013

Source:		SB_PRIEFF_10	SB_PRIEFF_10	SB_PRIEFF_10	SB_PRIEFF_10
Date:		05-FEB-2013	07-MAY-2013	06-AUG-2013	01-OCT-2013
Analyte	MDL Units	P649741	P661209	P671216^	P677756
Acrolein	1.3 UG/L	ND	ND	ND	ND
Acrylonitrile	.7 UG/L	ND	ND	ND	ND
Benzene	.4 UG/L	ND	ND	ND	ND
Bromodichloromethane	.5 UG/L	ND	ND	ND	ND
Bromoform	.5 UG/L	ND	ND	ND	ND
Bromomethane	.7 UG/L	ND	ND	ND	ND
Carbon tetrachloride	.4 UG/L	ND	ND	ND	ND
Chlorobenzene	.4 UG/L	ND	ND	ND	ND
Chloroethane	.9 UG/L	ND	ND	ND	ND
2-Chloroethylvinyl ether	1.1 UG/L	ND	ND	ND	ND
Chloroform	.2 UG/L	DNQ0.6	3.3	DNQ0.7	DNQ0.9
Chloromethane	.5 UG/L	ND	ND	ND	ND
Dibromochloromethane	.6 UG/L	ND	ND	ND	ND
1,2-Dichlorobenzene	.4 UG/L	ND	ND	ND	ND
1,3-Dichlorobenzene	.5 UG/L	ND	ND	ND	ND
1,4-Dichlorobenzene	.4 UG/L	ND	ND	ND	ND
Dichlorodifluoromethane	.66 UG/L	ND	ND	ND	ND
1,1-Dichloroethane	.4 UG/L	ND	ND	ND	ND
1,2-Dichloroethane	.5 UG/L	ND	ND	ND	ND
1,1-Dichloroethene	.4 UG/L	ND	ND	ND	ND
trans-1,2-dichloroethene	.6 UG/L	ND	ND	ND	ND
1,2-Dichloropropane	.3 UG/L	ND	ND	ND	ND
cis-1,3-dichloropropene	.3 UG/L	ND	ND	ND	ND
trans-1,3-dichloropropene	.5 UG/L	ND	ND	ND	ND
Ethylbenzene	.3 UG/L	ND	ND	ND	ND
Methylene chloride	.3 UG/L	ND	ND	29.5	ND
1,1,2,2-Tetrachloroethane	.5 UG/L	ND	ND	ND	ND
Tetrachloroethene	1.1 UG/L	ND	ND	ND	ND
Toluene	.4 UG/L	ND	DNQ0.6	ND	ND
1,1,1-Trichloroethane	.4 UG/L	ND	ND	ND	ND
1,1,2-Trichloroethane	.5 UG/L	ND	ND	ND	ND
Trichloroethene	.7 UG/L	ND	ND	ND	ND
Trichlorofluoromethane	.3 UG/L	ND	ND	ND	ND
Vinyl chloride	.4 UG/L	ND	ND	ND	ND
1,2,4-Trichlorobenzene	.7 UG/L	ND	ND	ND	ND
Halomethane Purgeable Cmpnds	.7 UG/L	0.0	0.0	0.0	0.0
Total Dichlorobenzenes	.5 UG/L	0.0	0.0	0.0	0.0
Total Chloromethanes	.5 UG/L	0.0	3.3	0.0	0.0
Purgeable Compounds	1.3 UG/L	0.0	3.3	29.5	0.0

Additional Analytes Determined

Acetone	4.5 UG/L	118	292	481	744
Allyl chloride	.6 UG/L	ND	ND	ND	ND
Benzyl chloride	1.1 UG/L	ND	ND	ND	ND
1,2-Dibromoethane	.3 UG/L	ND	ND	ND	ND
2-Butanone	6.3 UG/L	ND	ND	ND	ND
Carbon disulfide	.6 UG/L	ND	1.2	1.0	1.9
Chloroprene	.4 UG/L	ND	ND	ND	ND
Isopropylbenzene	.3 UG/L	ND	ND	ND	ND
Methyl Iodide	.6 UG/L	ND	ND	ND	ND
Methyl methacrylate	.8 UG/L	ND	ND	ND	ND
4-Methyl-2-pentanone	1.3 UG/L	ND	ND	ND	ND
meta,para xylenes	.6 UG/L	ND	ND	ND	ND
Methyl tert-butyl ether	.4 UG/L	ND	ND	ND	ND
2-Nitropropane	12 UG/L	ND	ND	ND	ND
ortho-xylene	.4 UG/L	ND	ND	ND	ND
Styrene	.3 UG/L	ND	ND	0.7	ND

^= This is a non-reportable sample, two surrogates recoveries were out the control limits.

ND= not detected

SOUTH BAY WATER RECLAMATION PLANT
Priority Pollutants Purgeable Compounds, EPA Method 624 & 8260B

Annual 2013

Analyte	MDL Units	SB_RSL_10_B	SB_RSL_10_B	SB_RSL_10_B	SB_RSL_10_B
		20-FEB-2013 P652769	07-MAY-2013 P661223	06-AUG-2013 P671232	01-OCT-2013 P677770
Acrolein	1.3 UG/L	ND	ND	ND	ND
Acrylonitrile	.7 UG/L	ND	ND	ND	ND
Benzene	.4 UG/L	ND	ND	ND	ND
Bromodichloromethane	.5 UG/L	ND	ND	ND	ND
Bromoform	.5 UG/L	ND	ND	ND	ND
Bromomethane	.7 UG/L	ND	ND	ND	ND
Carbon tetrachloride	.4 UG/L	ND	ND	ND	ND
Chlorobenzene	.4 UG/L	ND	ND	ND	ND
Chloroethane	.9 UG/L	ND	ND	ND	ND
2-Chloroethylvinyl ether	1.1 UG/L	ND	ND	ND	ND
Chloroform	.2 UG/L	1.2	2.5	1.8	1.7
Chloromethane	.5 UG/L	ND	ND	ND	ND
Dibromochloromethane	.6 UG/L	ND	ND	ND	ND
1,2-Dichlorobenzene	.4 UG/L	ND	ND	ND	ND
1,3-Dichlorobenzene	.5 UG/L	ND	ND	ND	ND
1,4-Dichlorobenzene	.4 UG/L	ND	1.5	1.4	DNQ0.6
Dichlorodifluoromethane	.66 UG/L	ND	ND	ND	ND
1,1-Dichloroethane	.4 UG/L	ND	ND	ND	ND
1,2-Dichloroethane	.5 UG/L	ND	ND	ND	ND
1,1-Dichloroethene	.4 UG/L	ND	ND	ND	ND
trans-1,2-dichloroethene	.6 UG/L	ND	ND	ND	ND
1,2-Dichloropropane	.3 UG/L	ND	ND	ND	ND
cis-1,3-dichloropropene	.3 UG/L	ND	ND	ND	ND
trans-1,3-dichloropropene	.5 UG/L	ND	ND	ND	ND
Ethylbenzene	.3 UG/L	ND	ND	DNQ0.4	ND
Methylene chloride	.3 UG/L	ND	14.6	3.9	DNQ0.9
1,1,2,2-Tetrachloroethane	.5 UG/L	ND	ND	ND	ND
Tetrachloroethene	1.1 UG/L	ND	ND	ND	ND
Toluene	.4 UG/L	6.0	2.0	2.4	1.3
1,1,1-Trichloroethane	.4 UG/L	ND	ND	ND	ND
1,1,2-Trichloroethane	.5 UG/L	ND	ND	ND	ND
Trichloroethene	.7 UG/L	ND	ND	ND	ND
Trichlorofluoromethane	.3 UG/L	ND	ND	ND	ND
Vinyl chloride	.4 UG/L	ND	ND	ND	ND
1,2,4-Trichlorobenzene	.7 UG/L	ND	ND	ND	ND
Halomethane Purgeable Cmpnds	.7 UG/L	0.0	0.0	0.0	0.0
Total Dichlorobenzenes	.5 UG/L	0.0	0.0	0.0	0.0
Total Chloromethanes	.5 UG/L	1.2	17.1	5.7	1.7
Purgeable Compounds	1.3 UG/L	7.2	20.6	9.5	3.0
Additional Analytes Determined					
Acetone	4.5 UG/L	103	122	90.1	92.4
Allyl chloride	.6 UG/L	ND	ND	ND	ND
Benzyl chloride	1.1 UG/L	ND	ND	ND	ND
1,2-Dibromoethane	.3 UG/L	ND	ND	ND	ND
2-Butanone	6.3 UG/L	7.6	ND	ND	ND
Carbon disulfide	.6 UG/L	2.2	2.5	1.7	1.3
Chloroprene	.4 UG/L	ND	ND	ND	ND
Isopropylbenzene	.3 UG/L	ND	ND	ND	ND
Methyl Iodide	.6 UG/L	ND	ND	ND	ND
Methyl methacrylate	.8 UG/L	ND	ND	ND	ND
4-Methyl-2-pentanone	1.3 UG/L	ND	ND	ND	ND
meta,para xylenes	.6 UG/L	ND	DNQ1.2	DNQ1.6	ND
Methyl tert-butyl ether	.4 UG/L	ND	ND	ND	ND
2-Nitropropane	12 UG/L	ND	ND	ND	ND
ortho-xylene	.4 UG/L	ND	DNQ0.6	DNQ0.7	ND
Styrene	.3 UG/L	ND	ND	2.0	ND

ND= not detected

SOUTH BAY WATER RECLAMATION PLANT
Radioactivity

Analyzed by: TestAmerica Laboratories Richland

Annual 2013

Source	Sample Date	Sample ID	Gross Alpha Radiation	Gross Beta Radiation
INFLUENT	05-FEB-2013	P649723	0.8 ± 4.6	17.6 ± 6.1
INFLUENT	07-MAY-2013	P661191	7.9 ± 7.9	18.5 ± 8.0
INFLUENT	06-AUG-2013	P671198	8.9 ± 8.2	22.3 ± 9.4
INFLUENT	01-OCT-2013	P677738	9.3 ± 5.7	22.0 ± 6.6
AVERAGE			6.7 ± 6.6	20.1 ± 7.5

Source	Sample Date	Sample ID	Gross Alpha Radiation	Gross Beta Radiation
EFFLUENT	05-FEB-2013	P649728	0.9 ± 4.9	18.6 ± 4.9
EFFLUENT	07-MAY-2013	P661196	1.5 ± 7.0	28.1 ± 8.2
EFFLUENT	06-AUG-2013	P671203	1.2 ± 4.8	14.3 ± 5.8
EFFLUENT	01-OCT-2013	P677743	-0.1 ± 4.5	21.7 ± 6.5
AVERAGE			0.9 ± 5.3	20.7 ± 6.4

Source	Sample Date	Sample ID	Gross Alpha Radiation	Gross Beta Radiation
COMB EFF	05-FEB-2013	P649733	2.8 ± 6.4	33.1 ± 7.8
COMB EFF	09-MAY-2013	P661201	5.6 ± 8.3	23.9 ± 9.5
COMB EFF	06-AUG-2013	P671208	1.6 ± 7.9	19.5 ± 8.9
COMB EFF	01-OCT-2013	P677748	-2.1 ± 5.9	31.0 ± 8.1
AVERAGE			2.0 ± 7.1	26.9 ± 8.6

Source	Sample Date	Sample ID	Gross Alpha Radiation	Gross Beta Radiation
PRI EFF	05-FEB-2013	P649738	2.0 ± 4.9	27.5 ± 5.7
PRI EFF	07-MAY-2013	P661206	-4.5 ± 5.8	17.8 ± 8.4
PRI EFF	06-AUG-2013	P671213	0.6 ± 4.8	20.4 ± 6.7
PRI EFF	01-OCT-2013	P677753	3.3 ± 4.1	21.1 ± 5.1
AVERAGE			0.4 ± 4.9	21.7 ± 6.5

Source	Sample Date	Sample ID	Gross Alpha Radiation	Gross Beta Radiation
SEC EFF	05-FEB-2013	P649743	2.1 ± 4.0	25.2 ± 5.7
SEC EFF	07-MAY-2013	P661211	0.7 ± 5.7	19.7 ± 7.9
SEC EFF	06-AUG-2013	P671218	-3.5 ± 4.1	17.1 ± 5.2
SEC EFF	01-OCT-2013	P677758	3.4 ± 3.6	19.5 ± 5.3
AVERAGE			0.7 ± 4.4	20.4 ± 6.0

Source	Sample Date	Sample ID	Gross Alpha Radiation	Gross Beta Radiation
REC WATER	05-FEB-2013	P649759	2.1 ± 4.7	20.5 ± 5.7
REC WATER	07-MAY-2013	P661225	-5.9 ± 5.7	21.7 ± 8.1
REC WATER	06-AUG-2013	P671234	3.1 ± 5.6	15.0 ± 6.2
REC WATER	01-OCT-2013	P677772	1.9 ± 4.6	18.6 ± 5.4
AVERAGE			0.3 ± 5.2	19.0 ± 6.4

ND= Not Detected

Units in picocuries/liter (pCi/L)

SOUTH BAY WATER RECLAMATION PLANT
Tributyl Tin Analysis

Annual 2013

Source:		INFLUENT	INFLUENT	INFLUENT	INFLUENT	EFFLUENT	EFFLUENT	EFFLUENT
Sample ID:		P649723	P661191	P671198	P677738	P649728	P661196	P671203
Analyte	MDL Units	05-FEB-2013	07-MAY-2013	06-AUG-2013	01-OCT-2013	05-FEB-2013	07-MAY-2013	06-AUG-2013
Dibutyltin	7 UG/L	ND	ND	ND	ND	ND	ND	ND
Monobutyltin	16 UG/L	ND	ND	ND	ND	ND	ND	ND
Tributyltin	2 UG/L	ND	ND	ND	ND	ND	ND	ND

Source:		EFFLUENT	COMB EFF	COMB EFF	COMB EFF	COMB EFF	PRI EFF	PRI EFF
Sample ID:		P677743	P649733	P661201	P671208	P677748	P649738	P661206
Analyte	MDL Units	01-OCT-2013	05-FEB-2013	09-MAY-2013	06-AUG-2013	01-OCT-2013	05-FEB-2013	07-MAY-2013
Dibutyltin	7 UG/L	ND	ND	ND	ND	ND	ND	ND
Monobutyltin	16 UG/L	ND	ND	ND	ND	ND	ND	ND
Tributyltin	2 UG/L	ND	ND	ND	ND	ND	ND	ND

Source:		PRI EFF	PRI EFF	SEC EFF	SEC EFF	SEC EFF	SEC EFF	REC WATER
Sample ID:		P671213	P677753	P649743	P661211	P671218	P677758	P649759
Analyte	MDL Units	06-AUG-2013	01-OCT-2013	05-FEB-2013	07-MAY-2013	06-AUG-2013	01-OCT-2013	05-FEB-2013
Dibutyltin	7 UG/L	ND	ND	ND	ND	ND	ND	ND
Monobutyltin	16 UG/L	ND	ND	ND	ND	ND	ND	ND
Tributyltin	2 UG/L	ND	ND	ND	ND	ND	ND	ND

Source:		REC WATER	REC WATER	REC WATER
Sample ID:		P661225	P671234	P677772
Analyte	MDL Units	07-MAY-2013	06-AUG-2013	01-OCT-2013
Dibutyltin	7 UG/L	ND	ND	ND
Monobutyltin	16 UG/L	ND	ND	ND
Tributyltin	2 UG/L	ND	ND	ND

ND=not detected

B. Upset, Interference, and Pass-through

In CY2013, there were no reported incidents of interference with pump station or treatment plant operations by rags, suggesting the sewer grinder and solids removal system installed by the RJ Donovan Correctional Center continues to function reliably and effectively. Manganese concentrations returned to and remained in compliance throughout CY2013. However, the plant and collection system did experience the following problems:

(1) In July, August, and September of 2013, significant amounts of grease were observed in the influent to the ORPS. The grease clogged the air intakes to the chopper pumps in the pump station resulting in 3 pumps failing. To lessen any potential impact on the treatment process from this change in the influent wastewater quality an additional aeration basin and two tertiary filters were placed in service on July 17, 2013. The cause of the excessive grease in the influent was determined to be a food manufacturing facility that added a processing line without informing the program and without upgrading pretreatment equipment in advance of increasing flow. The facility installed an upgraded system designed to treat the additional flow and loads in late February 2014. The program is in the process of changing the grease and oil local limit from a daily maximum limit to an instantaneous limit.

(2) In January and February CY2013, the plant experienced exceedences of the reclaimed water monthly average limit of 260 mg/L for chloride; there were no further violations in 2013. We are not aware of any specific industrial discharge that resulted in the high influent chloride values; however the program has begun applying an interim chloride limit of 245 mg/L in permits as they are issued or renewed. Violations will result in a requirement to implement best management practices for self-regenerating water softeners by capturing the brine regenerant and hauling it to Pump Station #1, which is not tributary to a reclamation plant.

(3) In CY2013, the plant experienced elevated TDS levels in the influent from January through August, lessening in October, and returning to below 1000 mg/L in November and December. The elevated TDS levels have been attributed to infiltration and to an increase in the number of SIUs tributary to the plant discharging high TDS wastestreams from food processing, self-regenerating water softeners, laundering, and power generation cooling systems. The program is including interim limits for TDS in permits as they are issued or renewed and continues to conduct monthly monitoring for TDS at locations tributary to the SBWRP to quickly identify new infiltration. A study conducted in FY2009 determined that, even if the regulated industries tributary to the SBWRP eliminated their water softeners, the plant would likely still need to install TDS removal technology to consistently meet reclaimed water sale standards. The Department is planning to relocate 2 EDR units from the North City WRP to the South Bay WRP by February 2015.

K. Biosolids Disposal Methods

Biosolids from the SBWRP is conveyed to the Miramar Biosolids Center for processing and disposal in combination with biosolids from throughout the Metropolitan Sewerage System service area. See Chapter 5 Section 5.5 of this year's Annual Report for the Point Loma POTW, NPDES Permit No. CA 0109045, for details on CY13 biosolids disposal locations and beneficial uses.

L. Other Concerns

There are no other concerns pertaining to the administration of the pretreatment program or control of industrial contributions to the headworks loadings at the SBWRP at this time.