THE CITY OF SAN DIEGO

# SOUTH BAY WATER RECLAMATION PLANT & OCEAN OUTFALL ANNUAL PRETREATMENT REPORT

**NPDES PERMIT No. CA 0109045**
**SDRWQCB ORDER No. R9-2006-0067**

## JANUARY 1 – DECEMBER 31, 2010

City of San Diego
PUBLIC UTILITIES
Water & Wastewater

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CERTIFIED
ISO 14001

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**CY2010 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), which is 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" diffuser with two 1980 foot long diffusers. The IWTP currently discharges a maximum of 25 MDG 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). Solids from the SBWRP are pumped to the PLWWTP through the South Metro Interceptor.

During CY2002 the South Bay Water Reclamation Plant (SBWRP) began operations, 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 on-going 3.5 MGD GAPS flow for a total of 8.33 MGD. 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.**

**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 25 through 48 provide results for all influent and effluent pollutant monitoring during CY2010. 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 2010

| 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 | 0.63 | 2 | 0.53 | 0.40 | 0.41 |
| Jan | 8.1 | 0.7 | 3.1 | 76 | 4.1 | 11.6 | 0.8 | 187 |
| Feb | 8.4 | 0 | 3.5 | 73 | 0 | 5.8 | 1.2 | 153 |
| Mar | 8.2 | 0 | 2.5 | 54 | 2.9 | 3.7 | 1.7 | 137 |
| Apr | 8.4 | 0 | 3.8 | 79 | 3.5 | 4.9 | 1.4 | 245 |
| May | 8.3 | 0 | 1.5 | 32 | 0 | 4.1 | 0 | 63 |
| Jun | 8.2 | 0 | 3.4 | 70 | 2.4 | 5.1 | 1.7 | 149 |
| Jul | 8.2 | 0 | 2.3 | 64 | 0 | 3.9 | 1 | 81 |
| Aug | 8.2 | 0 | 2.2 | 57 | 0 | 4.7 | 0 | 83 |
| Sep | 8.1 | 0 | 0 | 2.6 | 84 | 5.1 | 6.3 | 176 |
| Oct | 8.1 | 0 | 3 | 64 | 0 | 4.9 | 0.6 | 143 |
| Nov | 8.2 | 0 | 3.4 | 83 | 0 | 15.1 | 2.2 | 167 |
| Dec | 8.4 | 0 | 2.3 | 69 | 2.5 | 5.0 | 0.8 | 150 |
| Avg Flow | 8.2 | | | | | | | |
| Avg ug/L | | 0.1 | 2.6 | 60 | 8.3 | 6 | 1.5 | 145 |
| LBS/day | | 0.0 | 0.2 | 4 | 0.6 | 0 | 0.1 | 10 |
| Total HM | 15 | | | | | | | |
| Total(-)Ag | 15 | | | | | | | |

## TABLE II.A-2
## SOUTH BAY WATER RELAMATION PLANT EFFLUENT HEAVY METALS
## Average Concentration and Loadings for 2010

Zero = ND

| 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 | 8.1 | 0 | 1.8 | 28 | 0 | 5.0 | 0 | 37 |
| Feb | 8.4 | 0 | 0.6 | 11 | 0 | 10.1 | 0 | 30 |
| Mar | 8.2 | 0 | 0 | 8 | 0 | 4.2 | 0.6 | 40 |
| Apr | 8.4 | 0 | 0 | 21 | 0 | 3.3 | 0 | 32 |
| May | 8.3 | 0 | 2.1 | 13 | 0 | 5.2 | 0 | 32 |
| Jun | 8.2 | 0 | 0 | 8 | 0 | 5.2 | 0 | 29 |
| Jul | 8.2 | 0 | 0 | 19 | 0 | 4.5 | 0 | 24 |
| Aug | 8.2 | 0 | 0 | 12 | 0 | 4.6 | 0 | 31 |
| Sep | 8.1 | 0 | 0 | 24 | 0 | 4.1 | 0 | 26 |
| Oct | 8.1 | 0 | 1.5 | 14 | 0 | 3.9 | 0 | 30 |
| Nov | 8.2 | 0 | 0 | 16 | 0 | 8.9 | 0.5 | 27 |
| Dec | 8.4 | 0 | 0 | 29 | 0 | 3.6 | 0 | 27 |
| Avg Flow | 8.2 | | | | | | | |
| Avg ug/L | | 0.0 | 0.5 | 17 | 0.0 | 5.2 | 0.1 | 30 |
| LBS/day | | 0.0 | 0.0 | 1.2 | 0.0 | 0.4 | 0.0 | 2 |
| Total HM | 3.6 | | | | | | | |
| Total(-)Ag | 3.6 | | | | | | | |

**B. Upset, Interference, and Pass-through**

In CY2010, there were no reported incidents of interference with ORPS operations and the treatment plant by rags. By March, 2010, the RJ Donovan Correctional Center took measures to prevent the discharge of rags to the sewer. In October, 2010, the discharger completed installation of a new sewer grinder and solids removal system, as required by a compliance schedule established in their discharge permit.

In CY2010, influent TDS values exceeded the SBWRP reclaimed water TDS limit of 1200 mg/L on 2 occasions and 122 influent values exceeded the reclaimed water goal of 1000 ppm. These elevated TDS levels have been attributed to infiltration and, in part, to an increase in the number of SIUs tributary to the plant discharging high TDS wastestreams from food processing and self-regenerating water softeners. The program conducts monthly sewershed monitoring for TDS to quickly identify infiltration. The program is also working with contributing industries to minimize the impacts of water softener regenerant discharges; however, a study conducted in FY2009 determined that, even if the regulated industries in the SBWRP sewershed eliminated their water softeners, the plant would likely still need to install TDS removal technology to consistently meet reclaimed water sale standards.

**C. List of Deletions, Additions, and Name Changes of Significant Industrial Users during CY2010**

There were no SIU name changes during CY2010.

One new SIU initiated discharge to SBWRP in CY2010:

| Ind # | Ind Name | Pmt Issue Dt | SIU Type | Applicable Standards |
|---|---|---|---|---|
| 17-0013 UT | Thrifty Oil Company #416 | 110-Oct-10 | Slug | Benzene, BTEX, shutdown mech |

No SIUs were deleted from the CY09 CIU list during CY2010.
No existing facilities discharging to SBWRP became SIUs in CY2010.

**D. Characterization of the Compliance Status of Each SIU**

The compliance status of SIUs tributary to the SBWRP is included in the combined Annual SIU Compliance Status Report; see Chapter 4 of the CY2010 Annual Report for the Point Loma POTW, NPDES Permit No. CA 0109045.

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

**E. 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 from 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 CY2010 Annual Report for the Point Loma POTW, NPDES Permit No. CA 0109045.

## F. Pretreatment Program Changes

During CY2010, the program made the following significant changes: None

There were no 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.

## G. 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 CY2010 Annual Report for the Point Loma POTW, NPDES Permit No. CA 0109045, for details.

## H. 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 CY2010 Annual Report for the Point Loma POTW NPDES Permit No. CA0109045.

In CY2010, the following SIUs discharging tributary to the SBWRP were in Significant Non-Compliance:

| Name | Address | Pollutant in Violation |
|---|---|---|
| Cantare Foods Inc | 7651 Saint Andrews Ave, San Diego | oil and grease |

## I. 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 Table 5.4-1 of the CY2010 Annual Report for the Point Loma POTW, NPDES Permit No. CA 0109045, for details on CY10 biosolids disposal locations and beneficial uses.

## J. 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.

# Distribution of Permits and Industrial Flows by Area
## Treatment Plant 6

Report run on: January 14, 2011 4:30 PM



| Class | 1 | | 2 | | 2F | | 3 | | 4 | | 4C | | 4D | | 5 | | Total Permits | Total flow (gpd) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Area | 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** | 2 | 290 | 5 | 15,454 | 19 | 2 | 5 | 214,766 | 60 | 23,300 | 4 | | 2 | 0 | 4 | | 101 | 253,812 |
| **13** | 1 | 250 | 5 | 6,982 | 19 | 520 | 3 | 15,087 | 45 | 14,297 | 0 | | 1 | 0 | 6 | | 80 | 37,136 |
| **17** | 0 | | 1 | 7,200 | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | | 1 | 7,200 |
| **36** | 1 | 43,200 | 0 | | 0 | | 0 | | 2 | 917 | 0 | | 0 | | 0 | | 3 | 44,117 |
| | 4 | 43,740 | 11 | 29,636 | 38 | 522 | 8 | 229,853 | 107 | 38,514 | 4 | | 3 | 0 | 10 | | 185 | 342,265 |

# Active Permits, Treatment Plant 6

Report run on: January 14, 2011 4:20 PM

| Description | SIU | SIU Type | Permit Count |
|---|---|---|---|
| **1 - Federally Regulated** | **Y** | **CIU** | 4 |
| | | | **4** |
| **2 - Local: Toxic Pollutants in Process** | **N** | | 10 |
| | **Y** | **SLUG** | 1 |
| | | | **11** |
| **2F - Film Processing only** | **N** | | 38 |
| | | | **38** |
| **3 - Local: Conventional Pollutants in Process** | **N** | | 4 |
| | **Y** | **FLOW** | 4 |
| | | | **8** |
| **4 - No Discharge: Ww Generated or Chemicals Stored** | **N** | | 107 |
| | | | **107** |
| **4C - No Discharge: Fed Regulated Ww Generated** | **N** | **CIU ZERO** | 4 |
| | | | **4** |
| **4D - Dry Cleaning only, no discharge** | **N** | | 3 |
| | | | **3** |
| **5 - No IW Generated: No potential to discharge** | **N** | | 10 |
| | | | **10** |
| Total: | | | **185** |

# SIU Facilities: Federally and Locally Regulated Parameters by Connection
## Treatment Plant 6

Report run on: January 14, 2011 4:45 PM



| Facility | Permit | Name | Address | Conn | Total IW (gpd) | Parmcode | City freq | Self freq | Cat | Period | Lower Limit | Upper Limit | Units |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12-0038 | 04-A | RJ Donovan Correctional Facility | 480 Alta Rd , San Diego | 100 | 50,028 | OIL/GREASE | H | H | L | DM | | 500 | mg/L |
| | | | | | | PH | H | H | L | DM | 5 | 12.5 | pH |
| 12-0144 | 03-A | AP Precision Metals | 1215 30th St , San Diego | 110 | 264 | 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 | 02-A | Heinz Frozen Foods | 7878 Airway Rd , San Diego | 110 | 90,000 | CHROMIUM | Q | Q | O | 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 | L | DM | | 65.5 | DegC |
| 12-0202 | 02-A | Spec-Built Systems Inc | 2150 Michael Faraday Dr , San Diego | 110 | 26 | 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 |

# SIU Facilities: Federally and Locally Regulated Parameters by Connection
## Treatment Plant 6



| Facility | Permit | Name | Address | Conn | Total IW (gpd) | Parmcode | City freq | Self freq | Cat | Period | Lower Limit | Upper Limit | Units |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12-0202 | 02-A | Spec-Built Systems Inc | 2150 Michael Faraday Dr , San Diego | 110 | 26 | 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 |
| 12-0212 | 01-B | Cantare Foods Inc | 7651 Saint Andrews Av , San Diego | 100 | 22,882 | OIL/GREASE | M | M | L | DM | | 500 | mg/L |
| | | | | | | PH | M | M | L | DM | 5 | 12.5 | pH |
| 12-0220 | 01-A | Circle Foods LLC | 8411 Siempre Viva Rd , San Diego | 110 | 30,000 | 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 | L | DM | | 65.5 | DegC |
| 13-0115 | 04-A | Doncasters GCE Industries | 1891 Nirvana Av , Chula Vista | 330 | 208 | 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 |
| | | | | | | 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 | 41 | 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 |

# SIU Facilities: Federally and Locally Regulated Parameters by Connection
## Treatment Plant 6



| Facility | Permit | Name | Address | Conn | Total IW (gpd) | Parmcode | City freq | Self freq | Cat | Period | Lower Limit | Upper Limit | Units |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13-0115 | 04-A | Doncasters GCE Industries | 1891 Nirvana Av , Chula Vista | 410 | 41 | 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 |
| | | | | | | 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 |
| 17-0013 | 01-A | UT; Thrifty Oil Company # 416 | 1185 Palm Av , Imperial Beach | 100 | 7,200 | BNZ(W/OAGG) | H | M | L | DM | | 50 | ug/L |
| | | | | | | BTEX | H | M | L | DM | | 750 | ug/L |
| | | | | | | FLOW RATE MAX | | M | L | DM | | 20 | gpm |
| 36-0001 | 01-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 |
| | | | | | | TDS | Q | Q | O | DM | | 3200 | mg/L |
| | | | | | | ZINC | Q | Q | F | DM | | 1 | mg/L |

# SIU Facilities Federal Category, Process, and Pretreatment Technology by Connection
## Treatment Plant 6

Report run on: January 14, 2011 4:51 PM



| Facility | Permit | Name | IW Discharged (gpd) | Conn | Principle Process | Federal/ Local | CFR Part | CFR Section | Order | Pre Treat Code |
|---|---|---|---|---|---|---|---|---|---|---|
| 12-0038 | 04-A | RJ Donovan Correctional Facility | 50,028 | 100 | Prison Sewer Main | Local | 130 | | 1 | GREASE |
| | | | | | | | 133 | | 2 | GRIND |
| | | | | | | | | | 3 | SCREEN |
| 12-0144 | 03-A | AP Precision Metals | 264 | 110 | Metal Coating (Iron Phosphating) | Federal | 433 | .17 | 1 | PH |
| | | | | | | | | | 2 | SETTLE |
| 12-0154 | 02-A | Heinz Frozen Foods | 90,000 | 110 | Food Manufacturing | Local | 137 | | 1 | EQUAL |
| | | | | | | | | | 2 | SCREEN |
| | | | | | | | | | 3 | DAF+C |
| | | | | | | | | | 4 | GREASE |
| 12-0202 | 02-A | Spec-Built Systems Inc | 26 | 110 | Iron Phosphating | Federal | 433 | .17 | 1 | SETTLE |
| | | | | | | | | | 2 | RECYL |
| | | | | | | | | | 3 | CC |
| | | | | | | | | | 4 | PH |
| | | | | | | | | | 5 | MIXER |
| | | | | | | | | | 6 | HAUL |
| 12-0212 | 01-B | Cantare Foods Inc | 26,210 | 100 | Cheese Manufacturing Lateral | Local | 134 | | 1 | EQUAL |
| | | | | | | | 137 | | 2 | SCREEN |
| | | | | | | | | | 3 | PH |
| | | | | | | | | | 4 | DAF+C |
| | | | | | | | | | 5 | HAUL |
| | | | | 210 | Bakery, salsa, tapenade mfg | Local | | | 1 | SETTLE |
| | | | | | | | | | 2 | HAUL |
| | | | | | | | | | 3 | ELBOW |
| 12-0220 | 01-A | Circle Foods LLC | 30,000 | 110 | Food manufacturing | Local | 137 | | 1 | EQUAL |
| | | | | | | | | | 2 | SCREEN |
| | | | | | | | | | 3 | DAF+C |
| | | | | | | | | | 4 | SD-FP |
| 13-0115 | 04-A | Doncasters GCE Industries | 250 | 200 | Bldg 2 Lateral, 1887 Nirvana Av | Local | | | 1 | ZERO |
| | | | | | | | | | 2 | HAUL |
| | | | | 300 | Bldg 3 Lateral, 757 Main St | Local | 130 | | 1 | ERU+1 |
| | | | | | | | | | 2 | HAUL |
| | | | | 330 | Dye Pen/ Vibra Clean | Federal | 433 | .17 | 1 | SETTLE |
| | | | | | | | | | 2 | IX |

# SIU Facilities Federal Category, Process, and Pretreatment Technology by Connection
## Treatment Plant 6



| Facility | Permit | Name | IW Discharged (gpd) | Conn | Principle Process | Federal/ Local | CFR Part | CFR Section | Order | Pre Treat Code |
|---|---|---|---|---|---|---|---|---|---|---|
| 13-0115 | 04-A | Doncasters GCE Industries | 250 | 330 | | | | | 3 | FILT-O |
| | | | | 410 | Dye Pen/Water Jet Cutting | Federal | 433 | .17 | 1 | SETTLE |
| | | | | | | | | | 2 | IX |
| | | | | | | | | | 3 | FILT-O |
| | | | | | | | | | 4 | O/W |
| | | | | | | | | | 5 | HAUL |
| 17-0013 | 01-A | UT; Thrifty Oil Company # 416 | 7,200 | 100 | GW remediation: gas w/FP | Local | 101 | | 1 | EQUAL |
| | | | | | | | | | 2 | ADS-C |
| | | | | | | | | | 3 | FILT-O |
| 36-0001 | 01-A | Otay Mesa Energy Center LLC | 43,200 | 110 | WetSac blowdown + OWS | Federal | 423 | .17 | 1 | SETTLE |
| | | | | | | | | | 2 | PH |
| | | | | 120 | PCB zero discharge | Federal | 423 | .17 | 1 | ZERO |
| **9** | | | | | | | | | | |

# Semi-Annual SIU Compliance Status Report

## 01-Jul-2010 through 31-Dec-2010



| SIU Name | IU# | Class | IW Disch | SNC? | [If Yes, Why] | Conn | Violation Date | Description/Parameter | Value | Limit | Period | Cat | TRC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Cantare Foods Inc** | 12-0212 | 3 | 26210 | No | | 100 | 20-Jul-10 | SMR Incomplete - failed notify in 24 hrs | | | | | |
| | | | | | | 100 | 23-Jul-10 | SMR Late - written notice | | | | | |
| 7651 Saint Andrews Av, San Diego | | | | | | 100 | 30-Jul-10 | Oil and grease, Total | 710 | 500 | DM | L | **Y** |
| | | | | | | 100 | 30-Jul-10 | pH-Instantaneous | | | | | |
| | | | | | | 100 | 15-Aug-10 | SMR Incomplete - failed notify in 24 hrs | | | | | |
| | | | | | | 100 | 15-Aug-10 | SMR Incomplete - missing parameter | | | | | |
| | | | | | | 100 | 27-Aug-10 | Oil and grease, Total | 923 | 500 | DM | L | **Y** |
| | | | | | | 100 | 30-Sep-10 | Oil and grease, Total | 596 | 500 | DM | L | N |
| | | | | | | 100 | 21-Oct-10 | Oil and grease, Total | 775 | 500 | DM | L | **Y** |
| | | | | | | 100 | 21-Oct-10 | pH-Instantaneous | | | | | N |
| | | | | | | 100 | 29-Nov-10 | SMR Incomplete - failed notify in 24 hrs | | | | | |
| | | | | | | 100 | 29-Nov-10 | SMR Incomplete - missing parameter | | | | | |
| | | | | | | 100 | 06-Dec-10 | Oil and grease, Total | 544 | 500 | DM | L | **Y** |
| | | | | | | 100 | 18-Jan-11 | SMR Incomplete | | | | | |
| | | | | | | 100 | 19-Jan-11 | SMR Incomplete | | | | | |
| | | | | | | 210 | 23-Jul-10 | SMR Late - written notice | | | | | |
| | | | | | | 210 | 18-Jan-11 | SMR Incomplete | | | | | |
| **Heinz Frozen Foods** | 12-0154 | 3 | 90000 | No | | 110 | 21-Oct-10 | Oil and grease, Total | 841 | 500 | DM | L | **Y** |
| | | | | | | 110 | 15-Dec-10 | Oil and grease, Total | 1290 | 500 | DM | L | **Y** |
| 7878 Airway Rd, San Diego | | | | | | | | | | | | | |
| **Spec-Built Systems Inc** | 12-0202 | 1 | 26 | No | | 110 | 14-Dec-10 | SMR Incomplete | | | | | |
| | | | | | | 110 | 28-Jan-11 | SMR Incomplete | | | | | |
| 2150 Michael Faraday Dr, San Diego | | | | | | | | | | | | | |

# Annual SIU Compliance Status Report

## 01-Jan-2010 through 31-Dec-2010



| SIU Name | IU# | Class | IW Disch | SNC? | [If Yes, Why] | Conn | Violation Date | Description/Parameter | Value | Limit | Period | Cat | TRC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **AP Precision Metals** | 12-0144 | 1 | 264 | No | | NA | | | | | | | |
| 1215 30th St, San Diego | | | | | | | | | | | | | |

# Annual SIU Compliance Status Report

## 01-Jan-2010 through 31-Dec-2010



| SIU Name | IU# | Class | IW Disch | SNC? | [If Yes, Why] | Conn | Violation Date | Description/Parameter | Value | Limit | Period | Cat | TRC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Cantare Foods Inc** | 12-0212 | 3 | 26210 | **Yes** | SNC2 - TRC (DM): O/G 6/16(q2) | 100 | 26-Jan-10 | Oil and grease, Total | 773 | 500 | DM | L | **Y** |
| 7651 Saint Andrews Av, San Diego | | | | | | 100 | 02-Feb-10 | SMR Incomplete | | | | | |
| | | | | | | 100 | 22-Feb-10 | Oil and grease, Total | 1000 | 500 | DM | L | **Y** |
| | | | | | | 100 | 25-Feb-10 | SMR Late - written notice | | | | | |
| | | | | | | 100 | 19-Mar-10 | SMR Incomplete | | | | | |
| | | | | | | 100 | 20-Mar-10 | SMR Incomplete | | | | | |
| | | | | | | 100 | 30-Mar-10 | Oil and grease, Total | 816 | 500 | DM | L | **Y** |
| | | | | | | 100 | 04-May-10 | Oil and grease, Total | 1000 | 500 | DM | L | **Y** |
| | | | | | | 100 | 05-May-10 | Oil and grease, Total | 1000 | 500 | DM | L | **Y** |
| | | | | | | 100 | 18-May-10 | SMR Incomplete - failed notify in 24 hrs | | | | | |
| | | | | | | 100 | 18-May-10 | SMR Incomplete - incorrect sample type | | | | | |
| | | | | | | 100 | 27-May-10 | Oil and grease, Total | 906 | 500 | DM | L | **Y** |
| | | | | | | 100 | 30-Jun-10 | pH-Instantaneous | 4.6 | 5-12.5 | DM | L | N |
| | | | | | | 100 | 20-Jul-10 | SMR Incomplete - failed notify in 24 hrs | | | | | |
| | | | | | | 100 | 23-Jul-10 | SMR Late - written notice | | | | | |
| | | | | | | 100 | 30-Jul-10 | Oil and grease, Total | 710 | 500 | DM | L | **Y** |
| | | | | | | 100 | 30-Jul-10 | pH-Instantaneous | | | | | |
| | | | | | | 100 | 15-Aug-10 | SMR Incomplete - failed notify in 24 hrs | | | | | |
| | | | | | | 100 | 15-Aug-10 | SMR Incomplete - missing parameter | | | | | |
| | | | | | | 100 | 27-Aug-10 | Oil and grease, Total | 923 | 500 | DM | L | **Y** |
| | | | | | | 100 | 30-Sep-10 | Oil and grease, Total | 596 | 500 | DM | L | N |
| | | | | | | 100 | 21-Oct-10 | Oil and grease, Total | 775 | 500 | DM | L | **Y** |
| | | | | | | 100 | 21-Oct-10 | pH-Instantaneous | | | | | N |
| | | | | | | 100 | 29-Nov-10 | SMR Incomplete - failed notify in 24 hrs | | | | | |
| | | | | | | 100 | 29-Nov-10 | SMR Incomplete - missing parameter | | | | | |
| | | | | | | 100 | 06-Dec-10 | Oil and grease, Total | 544 | 500 | DM | L | **Y** |
| | | | | | | 100 | 18-Jan-11 | SMR Incomplete | | | | | |
| | | | | | | 100 | 19-Jan-11 | SMR Incomplete | | | | | |
| | | | | | | 210 | 02-Feb-10 | SMR Incomplete | | | | | |
| | | | | | | 210 | 25-Feb-10 | SMR Late - written notice | | | | | |
| | | | | | | 210 | 20-Mar-10 | SMR Incomplete | | | | | |
| | | | | | | 210 | 04-May-10 | SMR Incomplete | | | | | |
| | | | | | | 210 | 23-Jul-10 | SMR Late - written notice | | | | | |
| | | | | | | 210 | 18-Jan-11 | SMR Incomplete | | | | | |

# Annual SIU Compliance Status Report

## 01-Jan-2010 through 31-Dec-2010



| SIU Name | IU# | Class | IW Disch | SNC? | [If Yes, Why] | Conn | Violation Date | Description/Parameter | Value | Limit | Period | Cat | TRC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Circle Foods LLC** | 12-0220 | 3 | 30000 | No | | NA | | | | | | | |
| 8411 Siempre Viva Rd, San Diego | | | | | | | | | | | | | |
| **Doncasters GCE Industries** | 13-0115 | 1 | 250 | No | | 330 | 02-Feb-10 | SMR Incomplete | | | | | |
| | | | | | | 330 | 29-Mar-10 | SMR Incomplete | | | | | |
| 1891 Nirvana Av, Chula Vista | | | | | | 410 | 02-Feb-10 | SMR Incomplete | | | | | |
| **Heinz Frozen Foods** | 12-0154 | 3 | 90000 | No | | 110 | 04-May-10 | SMR Incomplete | | | | | |
| | | | | | | 110 | 21-Oct-10 | Oil and grease, Total | 841 | 500 | DM | L | **Y** |
| 7878 Airway Rd, San Diego | | | | | | 110 | 15-Dec-10 | Oil and grease, Total | 1290 | 500 | DM | L | **Y** |
| **Otay Mesa Energy Center LLC** | 36-0001 | 1 | 43200 | No | | 110 | 26-Mar-10 | Zinc, Total | 6.91 | 1 | DM | F | **Y** |
| | | | | | | 110 | 04-May-10 | SMR Incomplete - failed notify in 24 hrs | | | | | |
| 606 De La Fuente Ct, San Diego | | | | | | | | | | | | | |
| **RJ Donovan Correctional Facility** | 12-0038 | 3 | 50028 | No | | 100 | 02-Feb-10 | SMR Incomplete | | | | | |
| | | | | | | 100 | 02-Jun-10 | SMR Incomplete | | | | | |
| 480 Alta Rd, San Diego | | | | | | 100 | 15-Jun-10 | SMR Incomplete | | | | | |
| **Spec-Built Systems Inc** | 12-0202 | 1 | 26 | No | | 110 | 02-Feb-10 | SMR Incomplete | | | | | |
| | | | | | | 110 | 14-Dec-10 | SMR Incomplete | | | | | |
| 2150 Michael Faraday Dr, San Diego | | | | | | 110 | 28-Jan-11 | SMR Incomplete | | | | | |

# Sampling at SIUs Discharging to Treatment Plant 6
# between 01-Jan-10 and 31-Dec-10

Report run on: February 25, 2011 3:01 PM



| Facility | Pmt | Name | Conn | Principle Process | Pmt Include | Parmcode | City Samples | Self Samples |
|---|---|---|---|---|---|---|---|---|
| 12-0038 | 04-A | RJ Donovan Correctional Facility | 100 | Prison Sewer Main | L | OIL/GREASE | 6 | 6 |
| | | | | | | PH | 6 | 4 |
| | | | | | | SILVER CERT | | 1 |
| 12-0144 | 03-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 |
| | | | | | | 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 | 02-A | Heinz Frozen Foods | 110 | Food Manufacturing | L | OIL/GREASE | 22 | 12 |
| | | | | | | PH | 22 | 12 |
| | | | | | | PH HIGHEST | | |
| | | | | | | PH LOWEST | | |
| | | | | | | TEMP | 22 | 12 |
| 12-0202 | 02-A | Spec-Built Systems Inc | 110 | Iron Phosphating | F | CADMIUM | 2 | 1 |
| | | | | | | CHROMIUM | 2 | 1 |
| | | | | | | COPPER | 2 | 1 |
| | | | | | | CYANIDE(T) | 2 | 1 |
| | | | | | | FLOW | | 4 |
| | | | | | | LEAD | 2 | 1 |
| | | | | | | NICKEL | 2 | 1 |
| | | | | | | PH | 2 | |
| | | | | | | SILVER | 2 | 1 |
| | | | | | | TTO CERT | | 4 |
| | | | | | | TTO(413+433)-P | | |
| | | | | | | ZINC | 2 | 1 |
| 12-0212 | 01-B | Cantare Foods Inc | 100 | Cheese Manufacturing Lateral | L | FLOW | | 12 |
| | | | | | | FLOW MAX | | |
| | | | | | | OIL/GREASE | 31 | 12 |
| | | | | | | PH | 17 | 10 |
| | | | 210 | Bakery, salsa, tapenade mfg | L | CLARIFIER RPT | | 2 |
| | | | | | | FLOW | | 12 |
| | | | | | | FLOW MAX | | |
| 12-0220 | 01-A | Circle Foods LLC | 110 | Food manufacturing | L | FLOW | | 12 |

# Sampling at SIUs Discharging to Treatment Plant 6
# between 01-Jan-10 and 31-Dec-10



| Facility | Pmt | Name | Conn | Principle Process | Pmt Include | Parmcode | City Samples | Self Samples |
|---|---|---|---|---|---|---|---|---|
| 12-0220 | 01-A | Circle Foods LLC | 110 | | | OIL/GREASE | 21 | 12 |
| | | | | | | PH | 24 | 12 |
| | | | | | | PH HIGHEST | | |
| | | | | | | PH LOWEST | | |
| | | | | | | TEMP | 24 | 12 |
| 12-0244 | 01-A | Harcon Precision Metals Inc | 110 | Chemical conversion coating | F | CADMIUM | | |
| | | | | | | CHROMIUM | | |
| | | | | | | COPPER | | |
| | | | | | | FLOW | | |
| | | | | | | FLOW MAX | | |
| | | | | | | LEAD | | |
| | | | | | | NICKEL | | |
| | | | | | | PH | | |
| | | | | | | PH HIGHEST | | |
| | | | | | | PH LOWEST | | |
| | | | | | | SILVER | | |
| | | | | | | TTO CERT | | |
| | | | | | | TTO(413+433)-P | | |
| | | | | | | ZINC | | |
| 13-0115 | 04-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 | 4 | 5 |
| | | | | | | CHROMIUM | 4 | 5 |
| | | | | | | COPPER | 4 | 5 |
| | | | | | | CYANIDE(T) | 4 | 5 |
| | | | | | | FLOW | | 5 |
| | | | | | | LEAD | 4 | 5 |
| | | | | | | NICKEL | 4 | 5 |
| | | | | | | PH | 4 | 5 |
| | | | | | | PH HIGHEST | 2 | |
| | | | | | | PH LOWEST | 2 | |
| | | | | | | SILVER | 4 | 5 |
| | | | | | | TTO CERT | | 5 |
| | | | | | | TTO(413+433)-P | 1 | |
| | | | | | | ZINC | 4 | 5 |
| | | | 410 | Dye Pen/Water Jet Cutting | F | CADMIUM | 4 | 5 |
| | | | | | | CHROMIUM | 4 | 5 |
| | | | | | | COPPER | 4 | 5 |
| | | | | | | CYANIDE(T) | 4 | 5 |
| | | | | | | FLOW | | 5 |

# Sampling at SIUs Discharging to Treatment Plant 6
# between 01-Jan-10 and 31-Dec-10



| Facility | Pmt | Name | Conn | Principle Process | Pmt Include | Parmcode | City Samples | Self Samples |
|---|---|---|---|---|---|---|---|---|
| 13-0115 | 04-A | Doncasters GCE Industries | 410 | | | LEAD | 4 | 5 |
| | | | | | | NICKEL | 4 | 5 |
| | | | | | | PH | 4 | 5 |
| | | | | | | PH HIGHEST | 2 | |
| | | | | | | PH LOWEST | 2 | |
| | | | | | | SILVER | 4 | 5 |
| | | | | | | TTO CERT | | 5 |
| | | | | | | TTO(413+433)-P | 1 | |
| | | | | | | ZINC | 4 | 5 |
| 17-0013 | 01-A | UT; Thrifty Oil Company # 416 | 100 | GW remediation: gas w/FP | L | BNZ(W/OAGG) | | 3 |
| | | | | | | BTEX | | 3 |
| | | | | | | FLASH | | 3 |
| | | | | | | FLOW RATE MAX | | 3 |
| | | | | | | FLOW RATE MIN | | 3 |
| 36-0001 | 01-A | Otay Mesa Energy Center LLC | 110 | WetSac blowdown + OWS | F | CHROMIUM | 3 | 5 |
| | | | | | | FLOW | | 4 |
| | | | | | | OIL/GREASE | 3 | 5 |
| | | | | | | PH | 3 | 5 |
| | | | | | | PH HIGHEST | | |
| | | | | | | PH LOWEST | | |
| | | | | | | ZINC | 3 | 5 |
| | | | 120 | PCB zero discharge | F | ZERODISCHRG CERT | | 4 |

**10**

# TTO Sampling at SIUs discharging to Treatment Plant 6
# between 01-Jan-10 and 31-Dec-10



| Facility | Pmt | Name | Conn | Principle Process | Batch | City TTO Samples | Self TTO Samples | Self Certification |
|---|---|---|---|---|---|---|---|---|
| 12-0144 | 03-A | AP Precision Metals | 110 | Metal Coating (Iron Phosphating) | N | 1 | | 4 |
| 12-0202 | 02-A | Spec-Built Systems Inc | 110 | Iron Phosphating | N | | | 4 |
| 13-0115 | 04-A | Doncasters GCE Industries | 330 | Dye Pen/ Vibra Clean | N | 1 | | 5 |
| | | | 410 | Dye Pen/Water Jet Cutting | N | 1 | | 5 |

# Active Non-SIU Permits, Treatment Plant 6

Report run on: January 14, 2011 4:14 PM



| Class | Facility | Permit | Name | | Address | | | | City | Zip |
|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 12-0024 | 02-A | US Border Patrol | 3752 | Beyer | Bl | | | San Diego | 92173 |
| | 12-0140 | 01-A | Kaiser Foundation Health Plan | 4652 | Palm | Av | | | San Diego | 92154 |
| | 12-0143 | 02-A | Adesa San Diego | 2175 | Cactus | Rd | | | San Diego | 92154 |
| | 12-0145 | 03-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 |
| | 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 |
| | 13-0316 | 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 | 3650A | Main | St | | | Chula Vista | 91911 |
| | **10** | | | | | | | | | |
| 3 | 12-0065 | 03-A | Emerald Textiles LLC | 1725 | Dornoch | Ct | | | San Diego | 92154 |
| | 13-0095 | 01-A | Otay Valley Shell | 4555 | Main | St | | | Chula Vista | 92012 |
| | 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** | | | | | | | | | |

# Active Groundwater Permits, Treatment Plant 6

Report run on: January 14, 2011 4:10 PM



| Class | Facility | Permit | Name | | Address | | City | Zip |
|---|---|---|---|---|---|---|---|---|
| 2 | 17-0013 | 01-A | UT; Thrifty Oil Company # 416 | 1185 | Palm | Av | Imperial Beach | 91932 |
| | **1** | | | | | | | |
| | **1** | | | | | | | |

# Film Processors Subject to Best Management Practices, Treatment Plant 6

Report run on: January 14, 2011 4:17 PM



| 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 |
| | 12-0146 | 02-A | CVS Pharmacy # 9115 | 645 | | Saturn | Bl | | | San Diego |
| | 12-0186 | 01-A | Rancho Vista Medical & Therapy Center Inc | 342 | W | San Ysidro | Bl | Suite | F | San Diego |
| | 12-0208 | 01-A | CVS Pharmacy # 9524 | 3320 | | Palm | Av | | | San Diego |
| | 12-0209 | 01-A | Rite Aid # 5668 | 1856 | | Coronado | Av | | | 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 |
| | 13-0306 | 02-A | CVS Pharmacy # 9113 | 645 | E | Palomar | St | | | Chula Vista |
| | 13-0333 | 01-A | Costco Wholesale # 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 |
| | 13-0412 | 01-A | Wal-Mart Store # 5305 | 1150 | | Broadway | | | | Chula Vista |
| | 13-0414 | 01-A | Walgreens # 2623 | 1111 | | 3rd | Av | | | Chula Vista |
| | 13-0419 | 01-A | CVS Pharmacy # 9196 | 1376 | | Third | 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 |
| | 38 | | | | | | | | | |

# Dry Cleaners Subject to Best Management Practices, Treatment Plant 6

Report run on: January 14, 2011 4:07 PM



| Class | Facility | Permit | Name | Address | | | | City |
|---|---|---|---|---|---|---|---|---|
| 4D | 12-0106 | 02-A | **Saturn Cleaners** | 655 | Saturn | Bl | Suite E | San Diego |
| | 12-0108 | 02-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** | | | | | | | |

# Influent / Effluent Data from South Bay Water Reclamation Plant and Ocean Outfall Annual Report:

SOUTH BAY WATER RECLAMATION PLANT
SEWAGE INFUENT and EFFLUENT

Annual 2010

Biochemical Oxygen Demand Concentration
(24-hour composite)

| | 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 -2010 | 8.1 | 331 | 22360 | 5.1 | 20.6 | 876 | 93.8 |
| FEBRUARY -2010 | 8.4 | 332 | 23259 | 6.3 | 13.6 | 715 | 95.9 |
| MARCH -2010 | 8.2 | 346 | 23662 | 5.2 | 9.8 | 425 | 97.2 |
| APRIL -2010 | 8.4 | 349 | 24450 | 5.1 | 9.5 | 404 | 97.3 |
| MAY -2010 | 8.3 | 363 | 25128 | 2.4 | 4.2 | 84 | 98.8 |
| JUNE -2010 | 8.2 | 374 | 25577 | 0.8 | 8.8 | 59 | 97.6 |
| JULY -2010 | 8.2 | 356 | 24346 | 1.0 | 11.5 | 96 | 96.8 |
| AUGUST -2010 | 8.2 | 378 | 25851 | 0.7 | 9.4 | 55 | 97.5 |
| SEPTEMBER-2010 | 8.1 | 379 | 25603 | 1.1 | 10.3 | 94 | 97.3 |
| OCTOBER -2010 | 8.1 | 367 | 24792 | 4.4 | 8.5 | 312 | 97.7 |
| NOVEMBER -2010 | 8.2 | 359 | 24551 | 3.9 | 10.2 | 332 | 97.2 |
| DECEMBER -2010 | 8.4 | 324 | 22698 | 5.3 | 19.3 | 853 | 94.0 |
| Average | 8.2 | 355 | 24356 | 3.4 | 11.3 | 359 | 96.8 |

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

ND=not detected
NS=not sampled
NA=not analyzed

SEWAGE ANNUAL

Total Suspended Solids Concentration
(24-hour composite)

Annual 2010

| | Influent Flow (MGD) | Daily Influent TSS (mg/L) | Daily Influent VSS (mg/L) | Percent VSS (%) | Daily Influent Mass Emission (lbs/Day) |
|---|---|---|---|---|---|
| JANUARY -2010 | 8.1 | 300 | 259 | 86.3 | 20266 |
| FEBRUARY -2010 | 8.4 | 314 | 272 | 86.6 | 21998 |
| MARCH -2010 | 8.2 | 284 | 250 | 88.0 | 19422 |
| APRIL -2010 | 8.4 | 305 | 263 | 86.2 | 21367 |
| MAY -2010 | 8.3 | 313 | 274 | 87.5 | 21666 |
| JUNE -2010 | 8.2 | 327 | 285 | 87.2 | 22363 |
| JULY -2010 | 8.2 | 309 | 269 | 87.1 | 21132 |
| AUGUST -2010 | 8.2 | 317 | 275 | 86.8 | 21679 |
| SEPTEMBER-2010 | 8.1 | 328 | 286 | 87.2 | 22158 |
| OCTOBER -2010 | 8.1 | 308 | 268 | 87.0 | 20807 |
| NOVEMBER -2010 | 8.2 | 306 | 270 | 88.2 | 20927 |
| DECEMBER -2010 | 8.4 | 314 | 274 | 87.3 | 21998 |
| Average | 8.2 | 310 | 270 | | 21315 |

Total Suspended Solids Concentration
(24-hour composite)

| | Effluent Flow (MGD) | Daily Effluent TSS (mg/L) | Daily Effluent VSS (mg/L) | Percent VSS (%) | Daily Effluent Mass Emission (lbs/Day) | Percent Removal TSS (%) | Percent Removal VSS (%) |
|---|---|---|---|---|---|---|---|
| JANUARY -2010 | 5.1 | 8.7 | 7.4 | 85.1 | 370 | 97.1 | 97.1 |
| FEBRUARY -2010 | 6.3 | 7.9 | 6.7 | 84.8 | 415 | 97.5 | 97.5 |
| MARCH -2010 | 5.2 | 6.6 | 5.7 | 86.4 | 286 | 97.7 | 97.7 |
| APRIL -2010 | 5.1 | 7.3 | 6.3 | 86.3 | 310 | 97.6 | 97.6 |
| MAY -2010 | 2.4 | 3.2 | 2.6 | 81.3 | 64 | 99.0 | 99.1 |
| JUNE -2010 | 0.8 | 6.4 | 5.5 | 85.9 | 43 | 98.0 | 98.1 |
| JULY -2010 | 1.0 | 6.7 | 5.7 | 85.1 | 56 | 97.8 | 97.9 |
| AUGUST -2010 | 0.7 | 5.6 | 4.7 | 83.9 | 33 | 98.2 | 98.3 |
| SEPTEMBER-2010 | 1.1 | 4.7 | 3.7 | 78.7 | 43 | 98.6 | 98.7 |
| OCTOBER -2010 | 4.4 | 2.7 | 2.0 | 74.1 | 99 | 99.1 | 99.3 |
| NOVEMBER -2010 | 3.9 | 3.2 | 2.4 | 75.0 | 104 | 99.0 | 99.1 |
| DECEMBER -2010 | 5.3 | 6.6 | 5.7 | 86.4 | 292 | 97.9 | 97.9 |
| Average | 3.4 | 5.8 | 4.9 | | 176 | 98.1 | 98.2 |

Annual Mass Emissions are calculated from monthly averages of flow and TSS, wheras
Monthly Report average mass emissions are calculated from average daily mass emissions.

VSS = Volatile Suspended Solids
TSS = Total Suspended Solids

SOUTH BAY WATER RECLAMATION PLANT

Annual 2010

Effluent to Ocean Outfall
(SB_OUTFALL_01)

| | Flow (mgd) 15 | pH | Settleable Solids (ml/L) | Biochemical Oxygen Demand (mg/L) | Total Suspended Solids (mg/L) | Volatile Suspended Solids (mg/L) | Total Dissolved Solids (mg/L) |
|---|---|---|---|---|---|---|---|
| JANUARY -2010 | 5.06 | 7.55 | ND | 20.60 | 8.70 | 7.38 | 1060 |
| FEBRUARY -2010 | 6.32 | 7.42 | ND | 13.60 | 7.85 | 6.71 | 1010 |
| MARCH -2010 | 5.20 | 7.40 | ND | 9.83 | 6.63 | 5.68 | 1010 |
| APRIL -2010 | 5.12 | 7.38 | ND | 9.49 | 7.29 | 6.28 | 1030 |
| MAY -2010 | 2.41 | 7.37 | ND | 4.17 | 3.22 | 2.59 | 955 |
| JUNE -2010 | 0.84 | 7.35 | ND | 8.79 | 6.41 | 5.49 | 991 |
| JULY -2010 | 0.95 | 7.42 | ND | 11.50 | 6.70 | 5.72 | 973 |
| AUGUST -2010 | 0.66 | 7.36 | ND | 9.39 | 5.59 | 4.71 | 999 |
| SEPTEMBER-2010 | 1.07 | 7.41 | ND | 10.30 | 4.66 | 3.67 | 921 |
| OCTOBER -2010 | 4.38 | 7.36 | ND | 8.46 | 2.65 | 2.03 | 920 |
| NOVEMBER -2010 | 3.90 | 7.35 | ND | 10.20 | 3.21 | 2.40 | 968 |
| DECEMBER -2010 | 5.32 | 7.39 | ND | 19.30 | 6.63 | 5.73 | 975 |
| Average | 3.44 | 7.40 | ND | 11.30 | 5.80 | 4.87 | 984 |

| | Oil & Grease (mg/L) | Outfall Temperature ( C ) | Residual Chlorine (mg/L) | Turbidity (NTU) | Dissolved Oxygen (mg/L) |
|---|---|---|---|---|---|
| JANUARY -2010 | 2.3 | 21.7 | 0.06 | 4.65 | 4.42 |
| FEBRUARY -2010 | 4.2 | 21.6 | 0.06 | 3.68 | 4.26 |
| MARCH -2010 | 2.6 | 22.4 | 0.07 | 2.96 | 4.34 |
| APRIL -2010 | 5.3 | 22.9 | 0.06 | 2.81 | 4.09 |
| MAY -2010 | 4.1 | 22.8 | 0.07 | 1.23 | 4.71 |
| JUNE -2010 | 2.7 | 24.4 | 0.07 | 2.51 | 3.86 |
| JULY -2010 | 1.8 | 24.9 | 0.16 | 2.96 | 4.37 |
| AUGUST -2010 | 1.7 | 25.9 | 0.10 | 2.32 | 3.40 |
| SEPTEMBER-2010 | 2.7 | 25.6 | 0.07 | 1.90 | 4.07 |
| OCTOBER -2010 | 3.8 | 24.8 | 0.05 | 1.39 | 3.99 |
| NOVEMBER -2010 | 1.9 | 23.8 | 0.05 | 2.07 | 3.79 |
| DECEMBER -2010 | 6.0 | 22.6 | 0.05 | 3.47 | 3.86 |
| Average | 3.3 | 23.6 | 0.07 | 2.66 | 4.10 |

ND=not detected
NR=not required

SOUTH BAY WATER RECLAMATION PLANT

Annual 2010

Influent to Plant
(SB_INF_02)

| | Flow (mgd) | pH | Total Dissolved Solids (mg/L) | Biochemical Oxygen Demand (mg/L) | Total Suspended Solids (mg/L) | Volatile Suspended Solids (mg/L) | Turbidity (NTU) |
|---|---|---|---|---|---|---|---|
| JANUARY -2010 | 8.09 | NR | 1050 | 331 | 300 | 259 | NR |
| FEBRUARY -2010 | 8.37 | 8.16 | 1030 | 332 | 314 | 272 | 134 |
| MARCH -2010 | 8.21 | NR | 1040 | 346 | 284 | 250 | NR |
| APRIL -2010 | 8.43 | NR | 1050 | 349 | 305 | 263 | NR |
| MAY -2010 | 8.26 | 7.44 | 979 | 363 | 313 | 274 | 191 |
| JUNE -2010 | 8.19 | NR | 986 | 374 | 327 | 285 | NR |
| JULY -2010 | 8.22 | NR | 979 | 356 | 309 | 269 | NR |
| AUGUST -2010 | 8.20 | 7.05 | 976 | 378 | 317 | 275 | 124 |
| SEPTEMBER-2010 | 8.09 | NR | 985 | 379 | 328 | 286 | NR |
| OCTOBER -2010 | 8.09 | 7.35 | 938 | 367 | 308 | 268 | 152 |
| NOVEMBER -2010 | 8.23 | NR | 1000 | 359 | 306 | 270 | NR |
| DECEMBER -2010 | 8.35 | NR | 990 | 324 | 314 | 274 | NR |
| Average | 8.23 | 7.50 | 1000 | 355 | 310 | 270 | 150 |

ND=not detected
NR=not required

SOUTH BAY WATER RECLAMATION PLANT
ANNUAL SEWAGE

Annual 2010

Trace Metals

| 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: | | | | | | 480 |
| JANUARY -2010 | 1130 | 106 | 4.40 | ND | 0.92 | 0.51 |
| FEBRUARY -2010 | 1300 | 135 | ND | ND | 1.22 | 0.79 |
| MARCH -2010 | 1360 | 177 | ND | ND | 1.48 | 1.01 |
| APRIL -2010 | 1440 | 152 | ND | ND | 0.90 | 0.86 |
| MAY -2010 | 618 | 115 | ND | ND | 0.87 | 0.79 |
| JUNE -2010 | 1310 | 101 | ND | ND | 1.13 | 0.72 |
| JULY -2010 | 382 | 109 | ND | ND | 0.53 | 0.42 |
| AUGUST -2010 | 380 | 342 | ND | ND | ND | 0.56 |
| SEPTEMBER-2010 | 1150 | 174 | ND | ND | 0.85 | 0.83 |
| OCTOBER -2010 | 1260 | 131 | ND | ND | ND | 0.49 |
| NOVEMBER -2010 | 1350 | 158 | ND | ND | 0.87 | 0.52 |
| DECEMBER -2010 | 1030 | 111 | ND | ND | 0.94 | 0.78 |
| AVERAGE | 1059 | 151 | 0.37 | ND | 0.81 | 0.69 |

| 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 -2010 | 111.0 | 72.8 | 0.03 | ND | 316 | 299 |
| FEBRUARY -2010 | 97.8 | 68.3 | ND | ND | 347 | 361 |
| MARCH -2010 | 101.0 | 61.6 | ND | ND | 279 | 290 |
| APRIL -2010 | 129.0 | 78.4 | ND | ND | 332 | 309 |
| MAY -2010 | 63.4 | 52.1 | ND | ND | 306 | 369 |
| JUNE -2010 | 98.6 | 61.4 | ND | ND | 312 | 334 |
| JULY -2010 | 71.5 | 57.6 | ND | ND | 330 | 351 |
| AUGUST -2010 | 76.8 | 48.1 | ND | ND | 325 | 334 |
| SEPTEMBER-2010 | 85.3 | 54.9 | ND | ND | 310 | 320 |
| OCTOBER -2010 | 77.8 | 46.6 | ND | ND | 260 | 194 |
| NOVEMBER -2010 | 85.9 | 55.1 | <0.02 | ND | 348 | 317 |
| DECEMBER -2010 | 90.3 | 55.6 | ND | ND | 318 | 319 |
| AVERAGE | 90.7 | 59.4 | <0.00 | ND | 315 | 316 |

| 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 -2010 | 0.7 | ND | 3.1 | 1.8 | NR | ND |
| FEBRUARY -2010 | ND | ND | 3.5 | <1.2 | ND | ND |
| MARCH -2010 | ND | ND | 2.5 | ND | ND | ND |
| APRIL -2010 | ND | ND | 3.8 | ND | NR | ND |
| MAY -2010 | ND | ND | 1.5 | 2.1 | ND | ND |
| JUNE -2010 | ND | ND | 3.4 | ND | NR | ND |
| JULY -2010 | ND | ND | 2.3 | ND | NR | ND |
| AUGUST -2010 | ND | ND | 2.2 | ND | ND | ND |
| SEPTEMBER-2010 | ND | ND | 2.6 | ND | NR | ND |
| OCTOBER -2010 | ND | ND | 3.0 | 1.5 | ND | ND |
| NOVEMBER -2010 | ND | ND | 3.4 | ND | NR | ND |
| DECEMBER -2010 | ND | ND | 2.3 | ND | NR | ND |
| AVERAGE | 0.1 | ND | 2.8 | 0.5 | ND | ND |

ND= not detected
NA= not analyzed
NS= not sampled

SOUTH BAY WATER RECLAMATION PLANT
ANNUAL SEWAGE

Annual 2010

Trace Metals

| 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 -2010 | 76 | 28 | 583 | 76 | 4.1 | ND |
| FEBRUARY -2010 | 73 | 11 | 623 | 103 | ND | ND |
| MARCH -2010 | 54 | 8 | 840 | 94 | 2.9 | ND |
| APRIL -2010 | 79 | 21 | 823 | 128 | 3.5 | ND |
| MAY -2010 | 32 | 13 | 255 | 95 | ND | ND |
| JUNE -2010 | 70 | 8 | 827 | 99 | 2.4 | ND |
| JULY -2010 | 64 | 19 | 318 | 41 | ND | ND |
| AUGUST -2010 | 57 | 12 | 282 | <37 | ND | ND |
| SEPTEMBER-2010 | 84 | 24 | 643 | 115 | 5.1 | ND |
| OCTOBER -2010 | 64 | 14 | 602 | 95 | ND | ND |
| NOVEMBER -2010 | 83 | 16 | 682 | ND | ND | ND |
| DECEMBER -2010 | 69 | 29 | 527 | 40 | 2.5 | ND |
| AVERAGE | 67 | 17 | 584 | 74 | 1.7 | ND |

| Analyte: | Manganese | Manganese | Mercury | Mercury | Molybdenum | Molybdenum |
|---|---|---|---|---|---|---|
| MAX MDL Units: | .24 UG/L | .24 UG/L | .09 UG/L | .09 UG/L | .89 UG/L | .89 UG/L |
| Source: | Influent | Effluent | Influent | Effluent | Influent | Effluent |
| Month/Limit: | | | | 15 | | |
| JANUARY -2010 | 58.0 | 32.7 | ND | ND | NR | 4.3 |
| FEBRUARY -2010 | 59.1 | 40.1 | 0.31 | ND | 5.6 | 3.3 |
| MARCH -2010 | 51.5 | 21.4 | 0.17 | ND | 6.8 | 4.6 |
| APRIL -2010 | 60.9 | 47.6 | 0.37 | ND | NR | 4.0 |
| MAY -2010 | 59.3 | 29.7 | ND | ND | 5.5 | 6.4 |
| JUNE -2010 | 53.7 | 32.3 | 0.13 | ND | NR | 3.5 |
| JULY -2010 | 39.7 | 28.1 | ND | ND* | NR | 3.6 |
| AUGUST -2010 | 43.8 | 23.4 | ND | ND | 5.4 | 3.0 |
| SEPTEMBER-2010 | 46.7 | 24.4 | 0.13 | ND | NR | 3.3 |
| OCTOBER -2010 | 40.2 | 25.1 | 0.07 | 0.01* | 4.6 | 3.0 |
| NOVEMBER -2010 | 66.0 | 41.0 | 0.07 | ND* | NR | 3.3 |
| DECEMBER -2010 | 73.9 | 38.2 | 0.09 | ND* | NR | 4.6 |
| AVERAGE | 54.4 | 32.0 | 0.11 | 0.00 | 5.6 | 3.9 |

* MDL = 0.009
ND= not detected
NA= not analyzed
NS= not sampled

SOUTH BAY WATER RECLAMATION PLANT
ANNUAL SEWAGE

Annual 2010

Trace Metals

| 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 | | 1400 | | 250 |
| JANUARY -2010 | 11.6 | 4.97 | 2.00 | 0.90 | 0.8 | ND |
| FEBRUARY -2010 | 5.75 | 10.1 | 1.83 | 0.85 | 1.2 | ND |
| MARCH -2010 | 3.73 | 4.17 | 1.80 | 0.83 | 1.7 | 0.6 |
| APRIL -2010 | 4.89 | 3.29 | 2.18 | 0.93 | 1.4 | ND |
| MAY -2010 | 4.05 | 5.19 | 1.18 | 0.63 | ND | ND |
| JUNE -2010 | 5.09 | 5.16 | 1.79 | 0.66 | 1.7 | ND |
| JULY -2010 | 3.90 | 4.46 | 1.15 | 0.51 | 1.0 | ND |
| AUGUST -2010 | 4.67 | 4.63 | 1.07 | 0.64 | ND | ND |
| SEPTEMBER-2010 | 6.27 | 4.10 | 1.04 | 0.60 | 0.5 | ND |
| OCTOBER -2010 | 4.90 | 3.93 | ND | 0.53 | 0.6 | ND |
| NOVEMBER -2010 | 15.1 | 8.91 | 1.43 | 0.39 | 2.2 | 0.5 |
| DECEMBER -2010 | 5.00 | 3.55 | 1.53 | 0.61 | 0.8 | ND |
| AVERAGE | 6.25 | 5.21 | 1.42 | 0.67 | 1.0 | 0.1 |

| 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 -2010 | ND | ND | NR | ND | 187 | 37.3 |
| FEBRUARY -2010 | ND | ND | 3.0 | 1.31 | 153 | 29.8 |
| MARCH -2010 | ND | ND | 3.6 | 2.02 | 137 | 39.6 |
| APRIL -2010 | ND | ND | NR | 1.61 | 245 | 32.4 |
| MAY -2010 | ND | ND | 1.4 | 1.12 | 63 | 31.5 |
| JUNE -2010 | ND | ND | NR | ND | 149 | 28.5 |
| JULY -2010 | ND | ND | NR | ND | 81 | 23.8 |
| AUGUST -2010 | ND | ND | 1.4 | 1.17 | 83 | 30.7 |
| SEPTEMBER-2010 | ND | ND | NR | ND | 176 | 26.0 |
| OCTOBER -2010 | ND | ND | 1.1 | <0.64 | 143 | 30.0 |
| NOVEMBER -2010 | ND | ND | NR | 1.12 | 167 | 27.4 |
| DECEMBER -2010 | ND | ND | NR | 0.95 | 150 | 27.2 |
| AVERAGE | ND | ND | 2.1 | 0.78 | 145 | 30.4 |

ND= not detected
NA= not analyzed
NS= not sampled

SOUTH BAY WATER RECLAMATION PLANT
Annual Sewage Cations

Annual 2010

| MDL/UNITS: | Calcium .04 mg/L | | Magnesium .1 mg/L | | Lithium .002 mg/L | |
|---|---|---|---|---|---|---|
| | INF | EFF | INF | EFF | INF | EFF |
| JANUARY -2010 | 78.0 | 78.2 | 31.3 | 29.8 | 0.043 | 0.044 |
| FEBRUARY -2010 | 80.8 | 84.0 | 35.5 | 36.4 | 0.037 | 0.038 |
| MARCH -2010 | 74.8 | 71.6 | 31.2 | 28.7 | 0.035 | 0.031 |
| APRIL -2010 | 82.7 | 87.1 | 32.2 | 33.9 | 0.050 | 0.042 |
| MAY -2010 | 68.3 | 73.1 | 29.3 | 30.5 | 0.029 | 0.028 |
| JUNE -2010 | 79.5 | 78.4 | 31.2 | 30.9 | 0.041 | 0.038 |
| JULY -2010 | 77.5 | 75.1 | 34.2 | 32.0 | 0.033 | 0.033 |
| AUGUST -2010 | 75.6 | 73.1 | 31.9 | 29.8 | 0.041 | 0.041 |
| SEPTEMBER-2010 | 72.1 | 73.0 | 34.2 | 33.2 | 0.035 | 0.032 |
| OCTOBER -2010 | 66.4 | 68.8 | 30.4 | 30.1 | 0.032 | 0.031 |
| NOVEMBER -2010 | 72.2 | 75.5 | 36.2 | 35.0 | 0.035 | 0.033 |
| DECEMBER -2010 | 76.5 | 77.9 | 37.5 | 36.6 | 0.036 | 0.034 |
| Average: | 75.4 | 76.3 | 32.9 | 32.2 | 0.037 | 0.035 |

| MDL/UNITS: | Sodium 1 mg/L | | Potassium .3 mg/L | |
|---|---|---|---|---|
| | INF | EFF | INF | EFF |
| JANUARY -2010 | 182 | 187 | 20.8 | 19.1 |
| FEBRUARY -2010 | 218 | 219 | 22.0 | 19.8 |
| MARCH -2010 | 190 | 180 | 19.4 | 15.7 |
| APRIL -2010 | 186 | 201 | 20.9 | 19.8 |
| MAY -2010 | 178 | 201 | 20.9 | 19.8 |
| JUNE -2010 | 192 | 196 | 22.8 | 20.2 |
| JULY -2010 | 196 | 197 | 24.5 | 20.5 |
| AUGUST -2010 | 178 | 182 | 19.8 | 21.4 |
| SEPTEMBER-2010 | 194 | 203 | 25.3 | 20.8 |
| OCTOBER -2010 | 191 | 192 | 20.6 | 19.2 |
| NOVEMBER -2010 | 207 | 215 | 22.4 | 20.3 |
| DECEMBER -2010 | 214 | 216 | 21.9 | 19.9 |
| Average: | 194 | 199 | 21.8 | 19.7 |

ND=not detected

SOUTH BAY WATER RECLAMATION PLANT
ANNUAL SEWAGE

Anions

Annual 2010

| Analyte: | Bromide | Bromide | Chloride | Chloride | Fluoride | Fluoride |
|---|---|---|---|---|---|---|
| MDL Units: | .1 | .1 | 7 | 7 | .05 | .05 |
| Source: | MG/L | MG/L | MG/L | MG/L | MG/L | MG/L |
| Month/Limit: | INFLUENT | EFFLUENT | INFLUENT | EFFLUENT | INFLUENT | EFFLUENT |
| JANUARY -2010 | 0.32 | 0.37 | 223 | 243 | 0.330 | 0.670 |
| FEBRUARY -2010 | 0.36 | 0.45 | 232 | 251 | 0.602 | 0.710 |
| MARCH -2010 | 0.44 | 0.42 | 237 | 231 | 0.612 | 0.630 |
| APRIL -2010 | 0.44 | 0.45 | 239 | 250 | 0.547 | 0.690 |
| MAY -2010 | 0.46 | 0.53 | 230 | 251 | 0.647 | 0.670 |
| JUNE -2010 | 0.34 | 0.42 | 220 | 235 | 0.434 | 0.544 |
| JULY -2010 | 0.30 | 0.39 | 238 | 244 | 0.476 | 0.560 |
| AUGUST -2010 | 0.32 | 0.36 | 235 | 229 | 0.530 | 0.590 |
| SEPTEMBER-2010 | 0.29 | 0.39 | 240 | 248 | 0.453 | 0.620 |
| OCTOBER -2010 | <0.10 | 0.26 | 212 | 233 | 0.367 | 0.530 |
| NOVEMBER -2010 | 0.27 | 0.33 | 254 | 278 | 0.475 | 0.578 |
| DECEMBER -2010 | 0.36 | 0.38 | 279 | 281 | 0.521 | 0.562 |
| AVERAGE | 0.33 | 0.40 | 237 | 248 | 0.500 | 0.613 |

| Analyte: | Nitrate | Nitrate | Ortho Phosph | Ortho Phosphate | Sulfate | Sulfate |
|---|---|---|---|---|---|---|
| MDL: | .04 | .04 | .2 | .2 | 9 | 9 |
| Units: | MG/L | MG/L | MG/L | MG/L | MG/L | MG/L |
| Source: | INFLUENT | EFFLUENT | INFLUENT | EFFLUENT | INFLUENT | EFFLUENT |
| JANUARY -2010 | 0.317 | 14.2 | 11.2 | 1.41 | 197 | 238 |
| FEBRUARY -2010 | 0.362 | 25.5 | 11.8 | 4.69 | 189 | 224 |
| MARCH -2010 | 0.471 | 26.4 | 11.8 | 7.25 | 189 | 193 |
| APRIL -2010 | 0.158 | 25.3 | 11.7 | 5.05 | 183 | 237 |
| MAY -2010 | 0.196 | 28.7 | 13.3 | 9.00 | 162 | 181 |
| JUNE -2010 | 0.178 | 27.6 | 12.4 | 9.26 | 167 | 210 |
| JULY -2010 | 0.349 | 24.9 | 13.5 | 4.25 | 161 | 197 |
| AUGUST -2010 | 0.200 | 26.2 | 12.8 | 10.40 | 164 | 210 |
| SEPTEMBER-2010 | 0.867 | 25.6 | 14.3 | 1.58 | 156 | 196 |
| OCTOBER -2010 | 0.115 | 25.2 | 11.6 | 4.33 | 145 | 188 |
| NOVEMBER -2010 | 0.044 | 24.0 | 11.5 | 0.62 | 159 | 192 |
| DECEMBER -2010 | 0.117 | 29.3 | 11.5 | 3.14 | 166 | 198 |
| AVERAGE | 0.281 | 25.2 | 12.3 | 5.08 | 170 | 205 |

ND= not detected
NA= not analyzed
NS= not sampled

SOUTH BAY WATER RECLAMATION PLANT
ANNUAL SEWAGE

Ammonia-Nitrogen and Total Cyanides

Annual 2010

| | Ammonia-N .3 SB_INF_02 | Ammonia-N .3 SB_OUTFALL_01 | Total Cyanides .002 MG/L SB_INF_02 | Total Cyanides .002 MG/L SB_OUTFALL_01 |
|---|---|---|---|---|
| JANUARY -2010 | 36.8 | 4.8 | ND | ND |
| FEBRUARY -2010 | 32.7 | 1.7 | ND | ND |
| MARCH -2010 | 30.6 | 0.3 | ND | 0.002 |
| APRIL -2010 | 32.7 | 0.5 | ND | ND |
| MAY -2010 | 47.0 | ND | ND | ND |
| JUNE -2010 | 32.5 | 1.4 | ND | ND |
| JULY -2010 | 40.3 | 1.4 | ND | 0.002 |
| AUGUST -2010 | 30.8 | ND | ND | ND |
| SEPTEMBER-2010 | 36.0 | ND | ND | ND |
| OCTOBER -2010 | 30.9 | ND | ND | ND |
| NOVEMBER -2010 | 26.8 | 1.8 | ND | ND |
| DECEMBER -2010 | 34.3 | 1.8 | ND | 0.002 |
| Average: | 34.3 | 1.1 | ND | 0.001 |

ND= not detected

SOUTH BAY WATER RECLAMATION PLANT
Radioactivity
Effluent to the Ocean

Analyzed by: TestAmerica Laboratories Richland

Annual 2010

| Source | Month | Gross Alpha Radiation | Gross Beta Radiation |
|---|---|---|---|
| SB_OUTFALL_01 | JANUARY -2010 | 3.0 ± 2.0 | 21.2 ± 4.5 |
| SB_OUTFALL_01 | FEBRUARY -2010 | 2.1 ± 2.2 | 22.0 ± 4.5 |
| SB_OUTFALL_01 | MARCH -2010 | 1.5 ± 2.3 | 18.8 ± 4.1 |
| SB_OUTFALL_01 | APRIL -2010 | 1.8 ± 2.2 | 18.4 ± 4.4 |
| SB_OUTFALL_01 | MAY -2010 | 2.0 ± 2.6 | 21.9 ± 6.2 |
| SB_OUTFALL_01 | JUNE -2010 | 1.0 ± 1.4 | 20.4 ± 4.3 |
| SB_OUTFALL_01 | JULY -2010 | 1.9 ± 2.0 | 21.2 ± 4.5 |
| SB_OUTFALL_01 | AUGUST -2010 | 1.9 ± 1.5 | 25.5 ± 4.8 |
| SB_OUTFALL_01 | SEPTEMBER-2010 | 3.2 ± 2.2 | 19.1 ± 4.9 |
| SB_OUTFALL_01 | OCTOBER -2010 | 2.9 ± 2.8 | 28.3 ± 7.9 |
| SB_OUTFALL_01 | NOVEMBER -2010 | 2.0 ± 1.6 | 25.5 ± 5.7 |
| SB_OUTFALL_01 | DECEMBER -2010 | 0.9 ± 1.1 | 25.2 ± 4.7 |
| AVERAGE | | 2.0 ± 2.0 | 22.3 ± 5.0 |

Units in picocuries/liter (pCi/L)

SOUTH BAY WATER RECLAMATION PLANT
SEWAGE ANNUAL - Chlorinated Pesticide Analysis

Annual 2010

| Analyte | MDL | Units | EFF JAN | EFF FEB | EFF MAR | EFF APR | EFF MAY | EFF JUN | EFF JUL | EFF AUG | EFF SEP | EFF OCT | EFF NOV | EFF DEC | EFF Avg |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Aldrin | 7 | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Dieldrin | 3 | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| BHC, Alpha isomer | 7 | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| BHC, Beta isomer | 3 | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| BHC, Gamma isomer | 5 | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| BHC, Delta isomer | 3 | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| p,p-DDD | 3 | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| p,p-DDE | 4 | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| p,p-DDT | 8 | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| o,p-DDD | 4 | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| o,p-DDE | 5 | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| o,p-DDT | 3 | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Heptachlor | 8 | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Heptachlor epoxide | 4 | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Alpha (cis) Chlordane | 3 | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Gamma (trans) Chlordane | 4 | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Alpha Chlordene | | NG/L | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Gamma Chlordene | | NG/L | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Oxychlordane | 6 | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Trans Nonachlor | 5 | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Cis Nonachlor | 3 | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Alpha Endosulfan | 4 | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Beta Endosulfan | 2 | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Endosulfan Sulfate | 6 | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Endrin | 2 | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Endrin aldehyde | 9 | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Mirex | 10 | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Methoxychlor | 10 | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Toxaphene | 330 | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 1016 | 4000 | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 1221 | 4000 | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 1232 | 360 | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 1242 | 4000 | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 1248 | 2000 | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 1254 | 2000 | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 1260 | 2000 | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| PCB 1262 | 930 | NG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Aldrin + Dieldrin | 7 | NG/L | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hexachlorocyclohexanes | 7 | NG/L | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| DDT and derivatives | 8 | NG/L | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Chlordane + related cmpds. | 6 | NG/L | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Polychlorinated biphenyls | 4000 | NG/L | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Endosulfans | 6 | NG/L | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Heptachlors | 8 | NG/L | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Chlorinated Hydrocarbons | 4000 | NG/L | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

ND= not detected
NA= not analyzed
NS= not sampled
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
SEWAGE ANNUAL - Chlorinated Pesticide Analysis

Annual 2010

| Analyte | MDL | Units | INF FEB | INF MAY | INF AUG | INF OCT | INF Avg |
|---|---|---|---|---|---|---|---|
| Aldrin | 7 | NG/L | ND | ND | ND | ND | ND |
| Dieldrin | 3 | NG/L | ND | ND | ND | ND | ND |
| BHC, Alpha isomer | 7 | NG/L | ND | ND | ND | ND | ND |
| BHC, Beta isomer | 3 | NG/L | ND | ND | ND | ND | ND |
| BHC, Gamma isomer | 5 | NG/L | ND | ND | ND | 10 | 3 |
| BHC, Delta isomer | 3 | NG/L | ND | ND | ND | ND | ND |
| p,p-DDD | 3 | NG/L | ND | ND | ND | ND | ND |
| p,p-DDE | 4 | NG/L | ND | ND | ND | ND | ND |
| p,p-DDT | 8 | NG/L | ND | ND | ND | ND | ND |
| o,p-DDD | 4 | NG/L | ND | ND | ND | ND | ND |
| o,p-DDE | 5 | NG/L | ND | ND | ND | ND | ND |
| o,p-DDT | 3 | NG/L | ND | ND | ND | ND | ND |
| Heptachlor | 8 | NG/L | ND | ND | ND | ND | ND |
| Heptachlor epoxide | 4 | NG/L | ND | ND | ND | ND | ND |
| Alpha (cis) Chlordane | 3 | NG/L | ND | ND | ND | ND | ND |
| Gamma (trans) Chlordane | 4 | NG/L | ND | ND | ND | ND | ND |
| Alpha Chlordene | | NG/L | NA | NA | NA | NA | NA |
| Gamma Chlordene | | NG/L | NA | NA | NA | NA | NA |
| Oxychlordane | 6 | NG/L | ND | ND | ND | ND | ND |
| Trans Nonachlor | 5 | NG/L | ND | ND | ND | ND | ND |
| Cis Nonachlor | 3 | NG/L | ND | ND | ND | ND | ND |
| Alpha Endosulfan | 4 | NG/L | ND | ND | ND | ND | ND |
| Beta Endosulfan | 2 | NG/L | ND | ND | ND | ND | ND |
| Endosulfan Sulfate | 6 | NG/L | ND | ND | ND | ND | ND |
| Endrin | 2 | NG/L | ND | ND | ND | ND | ND |
| Endrin aldehyde | 9 | NG/L | ND | ND | ND | ND | ND |
| Mirex | 10 | NG/L | ND | ND | ND | ND | ND |
| Methoxychlor | 10 | NG/L | ND | ND | ND | ND | ND |
| Toxaphene | 330 | NG/L | ND | ND | ND | ND | ND |
| PCB 1016 | 4000 | NG/L | ND | ND | ND | ND | ND |
| PCB 1221 | 4000 | NG/L | ND | ND | ND | ND | ND |
| PCB 1232 | 360 | NG/L | ND | ND | ND | ND | ND |
| PCB 1242 | 4000 | NG/L | ND | ND | ND | ND | ND |
| PCB 1248 | 2000 | NG/L | ND | ND | ND | ND | ND |
| PCB 1254 | 2000 | NG/L | ND | ND | ND | ND | ND |
| PCB 1260 | 2000 | NG/L | ND | ND | ND | ND | ND |
| PCB 1262 | 930 | NG/L | ND | ND | ND | ND | ND |
| Aldrin + Dieldrin | 7 | NG/L | 0 | 0 | 0 | 0 | 0 |
| Hexachlorocyclohexanes | 7 | NG/L | 0 | 0 | 0 | 10 | 3 |
| DDT and derivatives | 8 | NG/L | 0 | 0 | 0 | 0 | 0 |
| Chlordane + related cmpds. | 6 | NG/L | 0 | 0 | 0 | 0 | 0 |
| Polychlorinated biphenyls | 4000 | NG/L | 0 | 0 | 0 | 0 | 0 |
| Endosulfans | 6 | NG/L | 0 | 0 | 0 | 0 | 0 |
| Heptachlors | 8 | NG/L | 0 | 0 | 0 | 0 | 0 |
| Chlorinated Hydrocarbons | 4000 | NG/L | 0 | 0 | 0 | 10 | 3 |

ND= not detected
NA= not analyzed
NS= not sampled
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
Organophosphorus PesticidesEPA Method 614/622 (with additions)

INFLUENT & EFFLUENT

Annual 2010

| Analyte | MDL | Units | Effluent 04-MAY-2010 P515506 | Effluent 05-OCT-2010 P533621 | Influent 04-MAY-2010 P515501 | Influent 05-OCT-2010 P533616 |
|---|---|---|---|---|---|---|
| Demeton O | .15 | UG/L | ND | ND | ND | ND |
| Demeton S | .08 | UG/L | ND | ND | ND | ND |
| Diazinon | .03 | UG/L | ND | ND | ND | ND |
| Guthion | .15 | UG/L | ND | ND | ND | ND |
| Malathion | .03 | UG/L | ND | ND | ND | ND |
| Parathion | .03 | UG/L | ND | ND | ND | ND |
| Dichlorvos | .05 | UG/L | ND | ND | ND | ND |
| Dibrom | .2 | UG/L | ND | NR | ND | NR |
| Ethoprop | .04 | UG/L | ND | NR | ND | NR |
| Phorate | .04 | UG/L | ND | NR | ND | NR |
| Sulfotepp | .04 | UG/L | ND | NR | ND | NR |
| Disulfoton | .02 | UG/L | ND | ND | ND | ND |
| Dimethoate | .04 | UG/L | ND | ND | ND | ND |
| Ronnel | .03 | UG/L | ND | NR | ND | NR |
| TrichloroNRte | .04 | UG/L | ND | NR | ND | NR |
| Merphos | .09 | UG/L | ND | NR | ND | NR |
| Dichlofenthion | .03 | UG/L | ND | NR | ND | NR |
| Tokuthion | .06 | UG/L | ND | NR | ND | NR |
| Stirophos | .03 | UG/L | ND | ND | ND | ND |
| Bolstar | .07 | UG/L | ND | NR | ND | NR |
| Fensulfothion | .07 | UG/L | ND | NR | ND | NR |
| EPN | .09 | UG/L | ND | NR | ND | NR |
| Coumaphos | .15 | UG/L | ND | ND | ND | ND |
| Mevinphos, e isomer | .05 | UG/L | ND | NR | ND | NR |
| Mevinphos, z isomer | .3 | UG/L | ND | NR | ND | NR |
| Chlorpyrifos | .03 | UG/L | ND | ND | ND | ND |
| Thiophosphorus Pesticides | .15 | UG/L | 0.0 | 0.0 | 0.0 | 0.0 |
| Demeton -O, -S | .15 | UG/L | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Organophosphorus Pesticides | .3 | UG/L | 0.0 | 0.0 | 0.0 | 0.0 |

ND=not detected
NR=not required

SOUTH BAY WATER RECLAMATION PLANT
ANNUAL SEWAGE - Tributyl Tin Analysis

Annual 2010

Effluent

| Analyte | MDL | Units | FEB | MAY | AUG | OCT | Average |
|---|---|---|---|---|---|---|---|
| Dibutyltin | 7 | UG/L | ND | ND | ND | ND | ND |
| Monobutyltin | 16 | UG/L | ND | ND | ND | ND | ND |
| Tributyltin | 2 | UG/L | ND | ND | ND | ND | ND |

Influent

| Analyte | MDL | Units | FEB | MAY | AUG | OCT | Average |
|---|---|---|---|---|---|---|---|
| Dibutyltin | 7 | UG/L | ND | ND | ND | ND | ND |
| Monobutyltin | 16 | UG/L | ND | ND | ND | ND | ND |
| Tributyltin | 2 | UG/L | ND | ND | ND | ND | ND |

ND=not detected

SOUTH BAY WATER RECLAMATION PLANT
SEWAGE ANNUAL - Acid Extractables

Annual 2010

EFFLUENT

| Analyte | MDL | Units | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | AVG |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2-chlorophenol | 1.32 | UG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 2,4-dichlorophenol | 1.01 | UG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 4-chloro-3-methylphenol | 1.67 | UG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 2,4,6-trichlorophenol | 1.65 | UG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Pentachlorophenol | 1.12 | UG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Phenol | 1.76 | UG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 2-nitrophenol | 1.55 | UG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 2,4-dimethylphenol | 2.01 | UG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 2,4-dinitrophenol | 2.16 | UG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 4-nitrophenol | 1.14 | UG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 2-methyl-4,6-dinitrophenol | 1.52 | UG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Total Chlorinated Phenols | 1.67 | UG/L | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Non-Chlorinated Phenols | 2.16 | UG/L | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Phenols | 2.16 | UG/L | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2-methylphenol | 2.15 | UG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 3-methylphenol(4-MP is unresolved) | | UG/L | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 4-methylphenol(3-MP is unresolved) | 2.11 | UG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 2,4,5-trichlorophenol | 1.66 | UG/L | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |

INFLUENT

| Analyte | MDL | Units | FEB | MAY | AUG | OCT | AVG |
|---|---|---|---|---|---|---|---|
| 2-chlorophenol | 1.32 | UG/L | ND | ND | ND | ND | ND |
| 2,4-dichlorophenol | 1.01 | UG/L | ND | ND | ND | ND | ND |
| 4-chloro-3-methylphenol | 1.67 | UG/L | ND | ND | ND | ND | ND |
| 2,4,6-trichlorophenol | 1.65 | UG/L | ND | ND | ND | ND | ND |
| Pentachlorophenol | 1.12 | UG/L | ND | ND | ND | ND | ND |
| Phenol | 1.76 | UG/L | 26.7 | 47.7 | 44.2 | 36.5 | 38.8 |
| 2-nitrophenol | 1.55 | UG/L | ND | ND | ND | ND | ND |
| 2,4-dimethylphenol | 2.01 | UG/L | ND | ND | ND | ND | ND |
| 2,4-dinitrophenol | 2.16 | UG/L | ND | ND | ND | ND | ND |
| 4-nitrophenol | 1.14 | UG/L | ND | ND | ND | ND | ND |
| 2-methyl-4,6-dinitrophenol | 1.52 | UG/L | ND | ND | ND | ND | ND |
| Total Chlorinated Phenols | 1.67 | UG/L | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Non-Chlorinated Phenols | 2.16 | UG/L | 26.7 | 47.7 | 44.2 | 36.5 | 38.8 |
| Total Phenols | 2.16 | UG/L | 26.7 | 47.7 | 44.2 | 36.5 | 38.8 |
| 2-methylphenol | 2.15 | UG/L | ND | ND | ND | ND | ND |
| 3-methylphenol(4-MP is unresolved) | | UG/L | NA | NA | NA | NA | NA |
| 4-methylphenol(3-MP is unresolved) | 2.11 | UG/L | 101 | 123 | 120 | 92.5 | 109 |
| 2,4,5-trichlorophenol | 1.66 | UG/L | ND | ND | ND | ND | ND |

ND=not detected
NS=not sampled
NA=not analyzed

SOUTH BAY WATER RECLAMATION PLANT
SEWAGE ANNUAL Priority Pollutants Base/Neutrals

Annual 2010

| Analyte | MDL | Units | EFF FEB Avg | EFF MAY Avg | EFF AUG Avg | EFF OCT Avg | EFF Average |
|---|---|---|---|---|---|---|---|
| bis(2-chloroethyl) ether | 1.38 | UG/L | ND | ND | ND | ND | ND |
| Bis-(2-chloroisopropyl) ether | 1.16 | UG/L | ND | ND | ND | ND | ND |
| N-nitrosodi-n-propylamine | 1.16 | UG/L | ND | ND | ND | ND | ND |
| Nitrobenzene | 1.6 | UG/L | ND | ND | ND | ND | ND |
| Hexachloroethane | 1.32 | UG/L | ND | ND | ND | ND | ND |
| Isophorone | 1.53 | UG/L | ND | ND | ND | ND | ND |
| bis(2-chloroethoxy)methane | 1.01 | UG/L | ND | ND | ND | ND | ND |
| 1,2,4-trichlorobenzene | 1.52 | UG/L | ND | ND | ND | ND | ND |
| Naphthalene | 1.65 | UG/L | ND | ND | ND | ND | ND |
| Hexachlorobutadiene | 1.64 | UG/L | ND | ND | ND | ND | ND |
| Hexachlorocyclopentadiene | 1.25 | UG/L | ND | ND | ND | ND | ND |
| Acenaphthylene | 1.77 | UG/L | ND | ND | ND | ND | ND |
| Dimethyl phthalate | 1.44 | UG/L | ND | ND | ND | ND | ND |
| 2,6-dinitrotoluene | 1.53 | UG/L | ND | ND | ND | ND | ND |
| Acenaphthene | 1.8 | UG/L | ND | ND | ND | ND | ND |
| 2,4-dinitrotoluene | 1.36 | UG/L | ND | ND | ND | ND | ND |
| Fluorene | 1.61 | UG/L | ND | ND | ND | ND | ND |
| 4-chlorophenyl phenyl ether | 1.57 | UG/L | ND | ND | ND | ND | ND |
| Diethyl phthalate | 3.05 | UG/L | ND | ND | ND | ND | ND |
| N-nitrosodiphenylamine | 3.48 | UG/L | ND | ND | ND | ND | ND |
| 4-bromophenyl phenyl ether | 1.4 | UG/L | ND | ND | ND | ND | ND |
| Hexachlorobenzene | 1.48 | UG/L | ND | ND | ND | ND | ND |
| Phenanthrene | 1.34 | UG/L | ND | ND | ND | ND | ND |
| Anthracene | 1.29 | UG/L | ND | ND | ND | ND | ND |
| Di-n-butyl phthalate | 3.96 | UG/L | ND | ND | ND | ND | ND |
| N-nitrosodimethylamine | 1.27 | UG/L | ND | ND | ND | ND | ND |
| Fluoranthene | 1.33 | UG/L | ND | ND | ND | ND | ND |
| Pyrene | 1.43 | UG/L | ND | ND | ND | ND | ND |
| Benzidine | 1.52 | UG/L | ND | ND | ND | ND | ND |
| Butyl benzyl phthalate | 2.84 | UG/L | ND | ND | ND | ND | ND |
| Chrysene | 1.16 | UG/L | ND | ND | ND | ND | ND |
| Benzo[A]anthracene | 1.1 | UG/L | ND | ND | ND | ND | ND |
| Bis-(2-ethylhexyl) phthalate | 8.96 | UG/L | 9.8 | ND | ND | ND | 2.5 |
| Di-n-octyl phthalate | 1 | UG/L | ND | ND | ND | ND | ND |
| 3,3-dichlorobenzidine | 2.44 | UG/L | ND | ND | ND | ND | ND |
| Benzo[K]fluoranthene | 1.49 | UG/L | ND | ND | ND | ND | ND |
| 3,4-benzo(B)fluoranthene | 1.35 | UG/L | ND | ND | ND | ND | ND |
| Benzo[A]pyrene | 1.25 | UG/L | ND | ND | ND | ND | ND |
| Indeno(1,2,3-CD)pyrene | 1.14 | UG/L | ND | ND | ND | ND | ND |
| Dibenzo(A,H)anthracene | 1.01 | UG/L | ND | ND | ND | ND | ND |
| Benzo[G,H,I]perylene | 1.09 | UG/L | ND | ND | ND | ND | ND |
| 1,2-diphenylhydrazine | 1.37 | UG/L | ND | ND | ND | ND | ND |
| Polynuc. Aromatic Hydrocarbons | 1.77 | UG/L | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Base/Neutral Compounds | 8.96 | UG/L | 9.8 | 0.0 | 0.0 | 0.0 | 2.5 |
| 1-methylnaphthalene | 2.18 | UG/L | ND | ND | ND | ND | ND |
| 2-methylnaphthalene | 2.14 | UG/L | ND | ND | ND | ND | ND |
| 2,6-dimethylnaphthalene | 2.16 | UG/L | ND | ND | ND | ND | ND |
| 2,3,5-trimethylnaphthalene | 2.18 | UG/L | ND | ND | ND | ND | ND |
| 1-methylphenanthrene | 1.46 | UG/L | ND | ND | ND | ND | ND |
| Benzo[e]pyrene | 1.44 | UG/L | ND | ND | ND | ND | ND |
| Perylene | 1.41 | UG/L | ND | ND | ND | ND | ND |
| Biphenyl | 2.29 | UG/L | ND | ND | ND | ND | ND |

ND=not detected

SOUTH BAY WATER RECLAMATION PLANT
SEWAGE ANNUAL Priority Pollutants Base/Neutrals

Annual 2010

| Analyte | MDL | Units | INF FEB Avg | INF MAY Avg | INF AUG Avg | INF OCT Avg | INF Average |
|---|---|---|---|---|---|---|---|
| bis(2-chloroethyl) ether | 1.38 | UG/L | ND | ND | ND | ND | ND |
| Bis-(2-chloroisopropyl) ether | 1.16 | UG/L | ND | ND | ND | ND | ND |
| N-nitrosodi-n-propylamine | 1.16 | UG/L | ND | ND | ND | ND | ND |
| Nitrobenzene | 1.6 | UG/L | ND | ND | ND | ND | ND |
| Hexachloroethane | 1.32 | UG/L | ND | ND | ND | ND | ND |
| Isophorone | 1.53 | UG/L | ND | 33.8 | ND | ND | 8.5 |
| bis(2-chloroethoxy)methane | 1.01 | UG/L | ND | ND | ND | ND | ND |
| 1,2,4-trichlorobenzene | 1.52 | UG/L | ND | ND | ND | ND | ND |
| Naphthalene | 1.65 | UG/L | ND | ND | ND | ND | ND |
| Hexachlorobutadiene | 1.64 | UG/L | ND | ND | ND | ND | ND |
| Hexachlorocyclopentadiene | 1.25 | UG/L | ND | ND | ND | ND | ND |
| Acenaphthylene | 1.77 | UG/L | ND | ND | ND | ND | ND |
| Dimethyl phthalate | 1.44 | UG/L | ND | ND | ND | ND | ND |
| 2,6-dinitrotoluene | 1.53 | UG/L | ND | ND | ND | ND | ND |
| Acenaphthene | 1.8 | UG/L | ND | ND | ND | ND | ND |
| 2,4-dinitrotoluene | 1.36 | UG/L | ND | ND | ND | ND | ND |
| Fluorene | 1.61 | UG/L | ND | ND | ND | ND | ND |
| 4-chlorophenyl phenyl ether | 1.57 | UG/L | ND | ND | ND | ND | ND |
| Diethyl phthalate | 3.05 | UG/L | 10.8 | 13.2 | 9.7 | 8.9 | 10.7 |
| N-nitrosodiphenylamine | 3.48 | UG/L | ND | ND | ND | ND | ND |
| 4-bromophenyl phenyl ether | 1.4 | UG/L | ND | ND | ND | ND | ND |
| Hexachlorobenzene | 1.48 | UG/L | ND | ND | ND | ND | ND |
| Phenanthrene | 1.34 | UG/L | ND | ND | ND | ND | ND |
| Anthracene | 1.29 | UG/L | ND | ND | ND | ND | ND |
| Di-n-butyl phthalate | 3.96 | UG/L | ND | ND | ND | ND | ND |
| N-nitrosodimethylamine | 1.27 | UG/L | ND | ND | ND | ND | ND |
| Fluoranthene | 1.33 | UG/L | ND | ND | ND | ND | ND |
| Pyrene | 1.43 | UG/L | ND | ND | ND | ND | ND |
| Benzidine | 1.52 | UG/L | ND | ND | ND | ND | ND |
| Butyl benzyl phthalate | 2.84 | UG/L | 3.9 | ND | ND | ND | 1.0 |
| Chrysene | 1.16 | UG/L | ND | ND | ND | ND | ND |
| Benzo[A]anthracene | 1.1 | UG/L | ND | ND | ND | ND | ND |
| Bis-(2-ethylhexyl) phthalate | 8.96 | UG/L | 10.3 | 11.1 | 12.2 | 23.6 | 14.3 |
| Di-n-octyl phthalate | 1 | UG/L | ND | ND | ND | ND | ND |
| 3,3-dichlorobenzidine | 2.44 | UG/L | ND | ND | ND | ND | ND |
| Benzo[K]fluoranthene | 1.49 | UG/L | ND | ND | ND | ND | ND |
| 3,4-benzo(B)fluoranthene | 1.35 | UG/L | ND | ND | ND | ND | ND |
| Benzo[A]pyrene | 1.25 | UG/L | ND | ND | ND | ND | ND |
| Indeno(1,2,3-CD)pyrene | 1.14 | UG/L | ND | ND | ND | ND | ND |
| Dibenzo(A,H)anthracene | 1.01 | UG/L | ND | ND | ND | ND | ND |
| Benzo[G,H,I]perylene | 1.09 | UG/L | ND | ND | ND | ND | ND |
| 1,2-diphenylhydrazine | 1.37 | UG/L | ND | ND | ND | ND | ND |
| Polynuc. Aromatic Hydrocarbons | 1.77 | UG/L | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Base/Neutral Compounds | 8.96 | UG/L | 25.0 | 58.1 | 21.9 | 32.5 | 34.4 |
| 1-methylnaphthalene | 2.18 | UG/L | ND | ND | ND | ND | ND |
| 2-methylnaphthalene | 2.14 | UG/L | ND | ND | ND | ND | ND |
| 2,6-dimethylnaphthalene | 2.16 | UG/L | ND | ND | ND | ND | ND |
| 2,3,5-trimethylnaphthalene | 2.18 | UG/L | ND | ND | ND | ND | ND |
| 1-methylphenanthrene | 1.46 | UG/L | ND | ND | ND | ND | ND |
| Benzo[e]pyrene | 1.44 | UG/L | ND | ND | ND | ND | ND |
| Perylene | 1.41 | UG/L | ND | ND | ND | ND | ND |
| Biphenyl | 2.29 | UG/L | ND | ND | ND | ND | ND |

ND=not detected

SOUTH BAY WATER RECLAMATION PLANT
SEWAGE ANNUAL Priority Pollutants Purgeables

Annual 2010

| Analyte | MDL | Units | EFF FEB | EFF MAY | EFF AUG | EFF OCT | EFF Average |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | .66 | UG/L | ND | ND | ND | ND | ND |
| Chloromethane | .5 | UG/L | ND | ND | ND | ND | ND |
| Vinyl chloride | .4 | UG/L | ND | ND | ND | ND | ND |
| Bromomethane | .7 | UG/L | ND | ND | ND | ND | ND |
| Chloroethane | .9 | UG/L | ND | ND | ND | ND | ND |
| Trichlorofluoromethane | .3 | UG/L | ND | ND | ND | ND | ND |
| Acrolein | 1.3 | UG/L | ND | ND | ND | ND | ND |
| 1,1-dichloroethane | .4 | UG/L | ND | ND | ND | ND | ND |
| Methylene chloride | .3 | UG/L | 2.1 | 0.5 | 0.8 | 2.7 | 1.5 |
| trans-1,2-dichloroethene | .6 | UG/L | ND | ND | ND | ND | ND |
| 1,1-dichloroethene | .4 | UG/L | ND | ND | ND | ND | ND |
| Acrylonitrile | .7 | UG/L | ND | ND | ND | ND | ND |
| Chloroform | .2 | UG/L | 0.5 | 0.6 | 1.0 | 0.5 | 0.7 |
| 1,1,1-trichloroethane | .4 | UG/L | ND | ND | ND | ND | ND |
| Carbon tetrachloride | .4 | UG/L | ND | ND | ND | ND | ND |
| Benzene | .4 | UG/L | ND | ND | ND | ND | ND |
| 1,2-dichloroethane | .5 | UG/L | ND | ND | ND | ND | ND |
| Trichloroethene | .7 | UG/L | ND | ND | ND | ND | ND |
| 1,2-dichloropropane | .3 | UG/L | ND | ND | ND | ND | ND |
| Bromodichloromethane | .5 | UG/L | ND | ND | ND | ND | ND |
| 2-chloroethylvinyl ether | 1.1 | UG/L | ND | ND | ND | ND | ND |
| cis-1,3-dichloropropene | .3 | UG/L | ND | ND | ND | ND | ND |
| Toluene | .4 | UG/L | ND | ND | ND | ND | ND |
| trans-1,3-dichloropropene | .5 | UG/L | ND | ND | ND | ND | ND |
| 1,1,2-trichloroethane | .5 | UG/L | ND | ND | ND | ND | ND |
| Tetrachloroethene | 1.1 | UG/L | ND | ND | ND | ND | ND |
| Dibromochloromethane | .6 | UG/L | ND | ND | ND | ND | ND |
| Chlorobenzene | .4 | UG/L | ND | ND | ND | ND | ND |
| Ethylbenzene | .3 | UG/L | ND | ND | ND | ND | ND |
| Bromoform | .5 | UG/L | ND | ND | ND | ND | ND |
| 1,1,2,2-tetrachloroethane | .5 | UG/L | ND | ND | ND | ND | ND |
| 1,3-dichlorobenzene | .5 | UG/L | ND | ND | ND | ND | ND |
| 1,4-dichlorobenzene | .4 | UG/L | ND | ND | ND | ND | ND |
| 1,2-dichlorobenzene | .4 | UG/L | ND | ND | ND | ND | ND |
| Halomethane Purgeable Cmpnds | .7 | UG/L | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Dichlorobenzenes | .5 | UG/L | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Chloromethanes | .5 | UG/L | 2.6 | 1.1 | 1.8 | 3.2 | 2.2 |
| Purgeable Compounds | 1.3 | UG/L | 2.6 | 1.1 | 1.8 | 3.2 | 2.2 |
| Methyl Iodide | .6 | UG/L | ND | ND | ND | ND | ND |
| Carbon disulfide | .6 | UG/L | ND | ND | ND | ND | ND |
| Acetone | 4.5 | UG/L | ND | ND | ND | ND | ND |
| Allyl chloride | .6 | UG/L | ND | ND | ND | ND | ND |
| Methyl tert-butyl ether | .4 | UG/L | ND | ND | ND | ND | ND |
| Chloroprene | .4 | UG/L | ND | ND | ND | ND | ND |
| 1,2-dibromoethane | .3 | UG/L | ND | ND | ND | ND | ND |
| 2-butanone | 6.3 | UG/L | ND | ND | ND | ND | ND |
| Methyl methacrylate | .8 | UG/L | ND | ND | ND | ND | ND |
| 2-nitropropane | 12 | UG/L | ND | ND | ND | ND | ND |
| 4-methyl-2-pentanone | 1.3 | UG/L | ND | ND | ND | ND | ND |
| meta,para xylenes | .6 | UG/L | ND | ND | ND | ND | ND |
| ortho-xylene | .4 | UG/L | ND | ND | ND | ND | ND |
| Isopropylbenzene | .3 | UG/L | ND | ND | ND | ND | ND |
| Styrene | .3 | UG/L | ND | ND | ND | ND | ND |
| Benzyl chloride | 1.1 | UG/L | ND | ND | ND | ND | ND |
| 1,2,4-trichlorobenzene | 1.52 | UG/L | ND | ND | ND | ND | ND |

ND=not detected

SOUTH BAY WATER RECLAMATION PLANT
SEWAGE ANNUAL Priority Pollutants Purgeables

Annual 2010

| Analyte | MDL | Units | INF FEB | INF MAY | INF AUG | INF OCT | INF Average |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | .66 | UG/L | ND | ND | ND | ND | ND |
| Chloromethane | .5 | UG/L | ND | ND | ND | ND | ND |
| Vinyl chloride | .4 | UG/L | ND | ND | ND | ND | ND |
| Bromomethane | .7 | UG/L | ND | ND | ND | ND | ND |
| Chloroethane | .9 | UG/L | ND | ND | ND | ND | ND |
| Trichlorofluoromethane | .3 | UG/L | ND | ND | ND | ND | ND |
| Acrolein | 1.3 | UG/L | ND | ND | ND | ND | ND |
| 1,1-dichloroethane | .4 | UG/L | ND | ND | ND | ND | ND |
| Methylene chloride | .3 | UG/L | 1.4 | 1.8 | 2.2 | 10.2 | 3.9 |
| trans-1,2-dichloroethene | .6 | UG/L | ND | ND | ND | ND | ND |
| 1,1-dichloroethene | .4 | UG/L | ND | ND | ND | ND | ND |
| Acrylonitrile | .7 | UG/L | ND | ND | ND | ND | ND |
| Chloroform | .2 | UG/L | 1.8 | 2.2 | 3.2 | 1.7 | 2.2 |
| 1,1,1-trichloroethane | .4 | UG/L | ND | ND | ND | ND | ND |
| Carbon tetrachloride | .4 | UG/L | ND | ND | ND | ND | ND |
| Benzene | .4 | UG/L | ND | ND | ND | ND | ND |
| 1,2-dichloroethane | .5 | UG/L | ND | ND | ND | ND | ND |
| Trichloroethene | .7 | UG/L | ND | ND | ND | ND | ND |
| 1,2-dichloropropane | .3 | UG/L | ND | ND | ND | ND | ND |
| Bromodichloromethane | .5 | UG/L | ND | ND | ND | ND | ND |
| 2-chloroethylvinyl ether | 1.1 | UG/L | ND | ND | ND | ND | ND |
| cis-1,3-dichloropropene | .3 | UG/L | ND | ND | ND | ND | ND |
| Toluene | .4 | UG/L | 0.5 | 0.6 | 0.8 | 0.8 | 0.7 |
| trans-1,3-dichloropropene | .5 | UG/L | ND | ND | ND | ND | ND |
| 1,1,2-trichloroethane | .5 | UG/L | ND | ND | ND | ND | ND |
| Tetrachloroethene | 1.1 | UG/L | ND | ND | ND | ND | ND |
| Dibromochloromethane | .6 | UG/L | ND | ND | ND | ND | ND |
| Chlorobenzene | .4 | UG/L | ND | ND | ND | ND | ND |
| Ethylbenzene | .3 | UG/L | ND | ND | ND | ND | ND |
| Bromoform | .5 | UG/L | ND | ND | ND | ND | ND |
| 1,1,2,2-tetrachloroethane | .5 | UG/L | ND | ND | ND | ND | ND |
| 1,3-dichlorobenzene | .5 | UG/L | ND | ND | ND | ND | ND |
| 1,4-dichlorobenzene | .4 | UG/L | 0.6 | 0.8 | 1.1 | 0.6 | 0.8 |
| 1,2-dichlorobenzene | .4 | UG/L | ND | ND | ND | ND | ND |
| Halomethane Purgeable Cmpnds | .7 | UG/L | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Dichlorobenzenes | .5 | UG/L | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Chloromethanes | .5 | UG/L | 3.2 | 4.0 | 5.4 | 11.9 | 6.1 |
| Purgeable Compounds | 1.3 | UG/L | 4.3 | 5.4 | 7.3 | 13.3 | 7.6 |
| Methyl Iodide | .6 | UG/L | ND | ND | ND | ND | ND |
| Carbon disulfide | .6 | UG/L | 1.6 | 4.6 | 1.3 | 1.9 | 2.4 |
| Acetone | 4.5 | UG/L | 120 | 199 | 173 | 168 | 165 |
| Allyl chloride | .6 | UG/L | ND | ND | ND | ND | ND |
| Methyl tert-butyl ether | .4 | UG/L | ND | ND | ND | ND | ND |
| Chloroprene | .4 | UG/L | ND | ND | ND | ND | ND |
| 1,2-dibromoethane | .3 | UG/L | ND | ND | ND | ND | ND |
| 2-butanone | 6.3 | UG/L | ND | ND | 9.8 | 12.8 | 5.7 |
| Methyl methacrylate | .8 | UG/L | ND | ND | ND | ND | ND |
| 2-nitropropane | 12 | UG/L | ND | ND | ND | ND | ND |
| 4-methyl-2-pentanone | 1.3 | UG/L | ND | ND | ND | ND | ND |
| meta,para xylenes | .6 | UG/L | ND | ND | ND | ND | ND |
| ortho-xylene | .4 | UG/L | ND | ND | ND | ND | ND |
| Isopropylbenzene | .3 | UG/L | ND | ND | ND | ND | ND |
| Styrene | .3 | UG/L | ND | ND | ND | ND | ND |
| Benzyl chloride | 1.1 | UG/L | ND | ND | ND | ND | ND |
| 1,2,4-trichlorobenzene | 1.52 | UG/L | ND | ND | ND | ND | ND |

ND=not detected

SOUTH BAY WATER RECLAMATION PLANT
Annual Sewage Dioxin and Furan Analysis

Annual 2010

| Analyte | MDL | Units | Equiv | INF JAN P502514 | INF FEB P504507 | INF MAR P512089 | INF APR P514107 |
|---|---|---|---|---|---|---|---|
| 2,3,7,8-tetra CDD | 125 | PG/L | 1.000 | ND | ND | ND | ND |
| 1,2,3,7,8-penta CDD | 123 | PG/L | 0.500 | ND | ND | ND | ND |
| 1,2,3,4,7,8_hexa_CDD | 113 | PG/L | 0.100 | ND | ND | ND | ND |
| 1,2,3,6,7,8-hexa CDD | 98 | PG/L | 0.100 | ND | ND | ND | ND |
| 1,2,3,7,8,9-hexa CDD | 111 | PG/L | 0.100 | ND | ND | ND | ND |
| 1,2,3,4,6,7,8-hepta CDD | 137 | PG/L | 0.010 | ND | ND | ND | ND |
| octa CDD | 247 | PG/L | 0.001 | ND | ND | ND | ND |
| 2,3,7,8-tetra CDF | 115 | PG/L | 0.100 | ND | ND | ND | ND |
| 1,2,3,7,8-penta CDF | 140 | PG/L | 0.050 | ND | ND | ND | ND |
| 2,3,4,7,8-penta CDF | 118 | PG/L | 0.500 | ND | ND | ND | ND |
| 1,2,3,4,7,8-hexa CDF | 147 | PG/L | 0.100 | ND | ND | ND | ND |
| 1,2,3,6,7,8-hexa CDF | 107 | PG/L | 0.100 | ND | ND | ND | ND |
| 1,2,3,7,8,9-hexa CDF | 152 | PG/L | 0.100 | ND | ND | ND | ND |
| 2,3,4,6,7,8-hexa CDF | 148 | PG/L | 0.100 | ND | ND | ND | ND |
| 1,2,3,4,6,7,8-hepta CDF | 90 | PG/L | 0.010 | ND | ND | ND | ND |
| 1,2,3,4,7,8,9-hepta CDF | 166 | PG/L | 0.010 | ND | ND | ND | ND |
| octa CDF | 222 | PG/L | 0.001 | ND | ND | ND | ND |

| Analyte | MDL | Units | Equiv | INF MAY P515501 | INF JUN P520723 | INF JUL P524640 | INF AUG P525067 |
|---|---|---|---|---|---|---|---|
| 2,3,7,8-tetra CDD | 125 | PG/L | 1.000 | ND | ND | ND | ND |
| 1,2,3,7,8-penta CDD | 123 | PG/L | 0.500 | ND | ND | ND | ND |
| 1,2,3,4,7,8_hexa_CDD | 113 | PG/L | 0.100 | ND | ND | ND | ND |
| 1,2,3,6,7,8-hexa CDD | 98 | PG/L | 0.100 | ND | ND | ND | ND |
| 1,2,3,7,8,9-hexa CDD | 111 | PG/L | 0.100 | ND | ND | ND | ND |
| 1,2,3,4,6,7,8-hepta CDD | 137 | PG/L | 0.010 | ND | ND | ND | ND |
| octa CDD | 247 | PG/L | 0.001 | ND | ND | ND | ND |
| 2,3,7,8-tetra CDF | 115 | PG/L | 0.100 | ND | ND | ND | ND |
| 1,2,3,7,8-penta CDF | 140 | PG/L | 0.050 | ND | ND | ND | ND |
| 2,3,4,7,8-penta CDF | 118 | PG/L | 0.500 | ND | ND | ND | ND |
| 1,2,3,4,7,8-hexa CDF | 147 | PG/L | 0.100 | ND | ND | ND | ND |
| 1,2,3,6,7,8-hexa CDF | 107 | PG/L | 0.100 | ND | ND | ND | ND |
| 1,2,3,7,8,9-hexa CDF | 152 | PG/L | 0.100 | ND | ND | ND | ND |
| 2,3,4,6,7,8-hexa CDF | 148 | PG/L | 0.100 | ND | ND | ND | ND |
| 1,2,3,4,6,7,8-hepta CDF | 90 | PG/L | 0.010 | ND | ND | ND | ND |
| 1,2,3,4,7,8,9-hepta CDF | 166 | PG/L | 0.010 | ND | ND | ND | ND |
| octa CDF | 222 | PG/L | 0.001 | ND | ND | ND | ND |

| Analyte | MDL | Units | Equiv | INF SEP P531924 | INF OCT P533616 | INF NOV P540027 | INF DEC P543578 |
|---|---|---|---|---|---|---|---|
| 2,3,7,8-tetra CDD | 125 | PG/L | 1.000 | ND | ND | ND | ND |
| 1,2,3,7,8-penta CDD | 123 | PG/L | 0.500 | ND | ND | ND | ND |
| 1,2,3,4,7,8_hexa_CDD | 113 | PG/L | 0.100 | ND | ND | ND | ND |
| 1,2,3,6,7,8-hexa CDD | 98 | PG/L | 0.100 | ND | ND | ND | ND |
| 1,2,3,7,8,9-hexa CDD | 111 | PG/L | 0.100 | ND | ND | ND | ND |
| 1,2,3,4,6,7,8-hepta CDD | 137 | PG/L | 0.010 | ND | ND | ND | ND |
| octa CDD | 247 | PG/L | 0.001 | ND | ND | ND | ND |
| 2,3,7,8-tetra CDF | 115 | PG/L | 0.100 | ND | ND | ND | ND |
| 1,2,3,7,8-penta CDF | 140 | PG/L | 0.050 | ND | ND | ND | ND |
| 2,3,4,7,8-penta CDF | 118 | PG/L | 0.500 | ND | ND | ND | ND |
| 1,2,3,4,7,8-hexa CDF | 147 | PG/L | 0.100 | ND | ND | ND | ND |
| 1,2,3,6,7,8-hexa CDF | 107 | PG/L | 0.100 | ND | ND | ND | ND |
| 1,2,3,7,8,9-hexa CDF | 152 | PG/L | 0.100 | ND | ND | ND | ND |
| 2,3,4,6,7,8-hexa CDF | 148 | PG/L | 0.100 | ND | ND | ND | ND |
| 1,2,3,4,6,7,8-hepta CDF | 90 | PG/L | 0.010 | ND | ND | ND | ND |
| 1,2,3,4,7,8,9-hepta CDF | 166 | PG/L | 0.010 | ND | ND | ND | ND |
| octa CDF | 222 | PG/L | 0.001 | ND | ND | ND | ND |

Above are permit required CDD/CDF isomers.  ND= not detected

SOUTH BAY WATER RECLAMATION PLANT
Annual Sewage Dioxin and Furan Analysis

Annual 2010

| Analyte | MDL | Units | Equiv | EFF JAN P502518 | EFF FEB P504512 | EFF MAR P512092 | EFF APR P514111 |
|---|---|---|---|---|---|---|---|
| 2,3,7,8-tetra CDD | 125 | PG/L | 1.000 | ND | ND | ND | ND |
| 1,2,3,7,8-penta CDD | 123 | PG/L | 0.500 | ND | ND | ND | ND |
| 1,2,3,4,7,8_hexa_CDD | 113 | PG/L | 0.100 | ND | ND | ND | ND |
| 1,2,3,6,7,8-hexa CDD | 98 | PG/L | 0.100 | ND | ND | ND | ND |
| 1,2,3,7,8,9-hexa CDD | 111 | PG/L | 0.100 | ND | ND | ND | ND |
| 1,2,3,4,6,7,8-hepta CDD | 137 | PG/L | 0.010 | ND | ND | ND | ND |
| octa CDD | 247 | PG/L | 0.001 | ND | ND | ND | ND |
| 2,3,7,8-tetra CDF | 115 | PG/L | 0.100 | ND | ND | ND | ND |
| 1,2,3,7,8-penta CDF | 140 | PG/L | 0.050 | ND | ND | ND | ND |
| 2,3,4,7,8-penta CDF | 118 | PG/L | 0.500 | ND | ND | ND | ND |
| 1,2,3,4,7,8-hexa CDF | 147 | PG/L | 0.100 | ND | ND | ND | ND |
| 1,2,3,6,7,8-hexa CDF | 107 | PG/L | 0.100 | ND | ND | ND | ND |
| 1,2,3,7,8,9-hexa CDF | 152 | PG/L | 0.100 | ND | ND | ND | ND |
| 2,3,4,6,7,8-hexa CDF | 148 | PG/L | 0.100 | ND | ND | ND | ND |
| 1,2,3,4,6,7,8-hepta CDF | 90 | PG/L | 0.010 | ND | ND | ND | ND |
| 1,2,3,4,7,8,9-hepta CDF | 166 | PG/L | 0.010 | ND | ND | ND | ND |
| octa CDF | 222 | PG/L | 0.001 | ND | ND | ND | ND |

| Analyte | MDL | Units | Equiv | EFF MAY P515506 | EFF JUN P520727 | EFF JUL P524644 | EFF AUG P525072 |
|---|---|---|---|---|---|---|---|
| 2,3,7,8-tetra CDD | 125 | PG/L | 1.000 | ND | ND | ND | ND |
| 1,2,3,7,8-penta CDD | 123 | PG/L | 0.500 | ND | ND | ND | ND |
| 1,2,3,4,7,8_hexa_CDD | 113 | PG/L | 0.100 | ND | ND | ND | ND |
| 1,2,3,6,7,8-hexa CDD | 98 | PG/L | 0.100 | ND | ND | ND | ND |
| 1,2,3,7,8,9-hexa CDD | 111 | PG/L | 0.100 | ND | ND | ND | ND |
| 1,2,3,4,6,7,8-hepta CDD | 137 | PG/L | 0.010 | ND | ND | ND | ND |
| octa CDD | 247 | PG/L | 0.001 | ND | ND | ND | ND |
| 2,3,7,8-tetra CDF | 115 | PG/L | 0.100 | ND | ND | ND | ND |
| 1,2,3,7,8-penta CDF | 140 | PG/L | 0.050 | ND | ND | ND | ND |
| 2,3,4,7,8-penta CDF | 118 | PG/L | 0.500 | ND | ND | ND | ND |
| 1,2,3,4,7,8-hexa CDF | 147 | PG/L | 0.100 | ND | ND | ND | ND |
| 1,2,3,6,7,8-hexa CDF | 107 | PG/L | 0.100 | ND | ND | ND | ND |
| 1,2,3,7,8,9-hexa CDF | 152 | PG/L | 0.100 | ND | ND | ND | ND |
| 2,3,4,6,7,8-hexa CDF | 148 | PG/L | 0.100 | ND | ND | ND | ND |
| 1,2,3,4,6,7,8-hepta CDF | 90 | PG/L | 0.010 | ND | ND | ND | ND |
| 1,2,3,4,7,8,9-hepta CDF | 166 | PG/L | 0.010 | ND | ND | ND | ND |
| octa CDF | 222 | PG/L | 0.001 | ND | ND | ND | ND |

| Analyte | MDL | Units | Equiv | EFF SEP P531928 | EFF OCT P533621 | EFF NOV P540031 | EFF DEC P543582 |
|---|---|---|---|---|---|---|---|
| 2,3,7,8-tetra CDD | 125 | PG/L | 1.000 | ND | ND | ND | ND |
| 1,2,3,7,8-penta CDD | 123 | PG/L | 0.500 | ND | ND | ND | ND |
| 1,2,3,4,7,8_hexa_CDD | 113 | PG/L | 0.100 | ND | ND | ND | ND |
| 1,2,3,6,7,8-hexa CDD | 98 | PG/L | 0.100 | ND | ND | ND | ND |
| 1,2,3,7,8,9-hexa CDD | 111 | PG/L | 0.100 | ND | ND | ND | ND |
| 1,2,3,4,6,7,8-hepta CDD | 137 | PG/L | 0.010 | ND | ND | ND | ND |
| octa CDD | 247 | PG/L | 0.001 | ND | ND | ND | ND |
| 2,3,7,8-tetra CDF | 115 | PG/L | 0.100 | ND | ND | ND | ND |
| 1,2,3,7,8-penta CDF | 140 | PG/L | 0.050 | ND | ND | ND | ND |
| 2,3,4,7,8-penta CDF | 118 | PG/L | 0.500 | ND | ND | ND | ND |
| 1,2,3,4,7,8-hexa CDF | 147 | PG/L | 0.100 | ND | ND | ND | ND |
| 1,2,3,6,7,8-hexa CDF | 107 | PG/L | 0.100 | ND | ND | ND | ND |
| 1,2,3,7,8,9-hexa CDF | 152 | PG/L | 0.100 | ND | ND | ND | ND |
| 2,3,4,6,7,8-hexa CDF | 148 | PG/L | 0.100 | ND | ND | ND | ND |
| 1,2,3,4,6,7,8-hepta CDF | 90 | PG/L | 0.010 | ND | ND | ND | ND |
| 1,2,3,4,7,8,9-hepta CDF | 166 | PG/L | 0.010 | ND | ND | ND | ND |
| octa CDF | 222 | PG/L | 0.001 | ND | ND | ND | ND |

Above are permit required CDD/CDF isomers.  ND= not detected

SOUTH BAY WATER RECLAMATION PLANT
Annual Sewage Dioxin and Furan Analysis

Annual 2010

| Analyte | MDL | Units | Equiv | INF TCCD JAN P502514 | INF TCCD FEB P504507 | INF TCCD MAR P512089 | INF TCCD APR P514107 |
|---|---|---|---|---|---|---|---|
| 2,3,7,8-tetra CDD | 125 | PG/L | 1.000 | ND | ND | ND | ND |
| 1,2,3,7,8-penta CDD | 123 | PG/L | 0.500 | ND | ND | ND | ND |
| 1,2,3,4,7,8_hexa_CDD | 113 | PG/L | 0.100 | ND | ND | ND | ND |
| 1,2,3,6,7,8-hexa CDD | 98 | PG/L | 0.100 | ND | ND | ND | ND |
| 1,2,3,7,8,9-hexa CDD | 111 | PG/L | 0.100 | ND | ND | ND | ND |
| 1,2,3,4,6,7,8-hepta CDD | 137 | PG/L | 0.010 | ND | ND | ND | ND |
| octa CDD | 247 | PG/L | 0.001 | ND | ND | ND | ND |
| 2,3,7,8-tetra CDF | 115 | PG/L | 0.100 | ND | ND | ND | ND |
| 1,2,3,7,8-penta CDF | 140 | PG/L | 0.050 | ND | ND | ND | ND |
| 2,3,4,7,8-penta CDF | 118 | PG/L | 0.500 | ND | ND | ND | ND |
| 1,2,3,4,7,8-hexa CDF | 147 | PG/L | 0.100 | ND | ND | ND | ND |
| 1,2,3,6,7,8-hexa CDF | 107 | PG/L | 0.100 | ND | ND | ND | ND |
| 1,2,3,7,8,9-hexa CDF | 152 | PG/L | 0.100 | ND | ND | ND | ND |
| 2,3,4,6,7,8-hexa CDF | 148 | PG/L | 0.100 | ND | ND | ND | ND |
| 1,2,3,4,6,7,8-hepta CDF | 90 | PG/L | 0.010 | ND | ND | ND | ND |
| 1,2,3,4,7,8,9-hepta CDF | 166 | PG/L | 0.010 | ND | ND | ND | ND |
| octa CDF | 222 | PG/L | 0.001 | ND | ND | ND | ND |

| Analyte | MDL | Units | Equiv | INF TCCD MAY P515501 | INF TCCD JUN P520723 | INF TCCD JUL P524640 | INF TCCD AUG P525067 |
|---|---|---|---|---|---|---|---|
| 2,3,7,8-tetra CDD | 125 | PG/L | 1.000 | ND | ND | ND | ND |
| 1,2,3,7,8-penta CDD | 123 | PG/L | 0.500 | ND | ND | ND | ND |
| 1,2,3,4,7,8_hexa_CDD | 113 | PG/L | 0.100 | ND | ND | ND | ND |
| 1,2,3,6,7,8-hexa CDD | 98 | PG/L | 0.100 | ND | ND | ND | ND |
| 1,2,3,7,8,9-hexa CDD | 111 | PG/L | 0.100 | ND | ND | ND | ND |
| 1,2,3,4,6,7,8-hepta CDD | 137 | PG/L | 0.010 | ND | ND | ND | ND |
| octa CDD | 247 | PG/L | 0.001 | ND | ND | ND | ND |
| 2,3,7,8-tetra CDF | 115 | PG/L | 0.100 | ND | ND | ND | ND |
| 1,2,3,7,8-penta CDF | 140 | PG/L | 0.050 | ND | ND | ND | ND |
| 2,3,4,7,8-penta CDF | 118 | PG/L | 0.500 | ND | ND | ND | ND |
| 1,2,3,4,7,8-hexa CDF | 147 | PG/L | 0.100 | ND | ND | ND | ND |
| 1,2,3,6,7,8-hexa CDF | 107 | PG/L | 0.100 | ND | ND | ND | ND |
| 1,2,3,7,8,9-hexa CDF | 152 | PG/L | 0.100 | ND | ND | ND | ND |
| 2,3,4,6,7,8-hexa CDF | 148 | PG/L | 0.100 | ND | ND | ND | ND |
| 1,2,3,4,6,7,8-hepta CDF | 90 | PG/L | 0.010 | ND | ND | ND | ND |
| 1,2,3,4,7,8,9-hepta CDF | 166 | PG/L | 0.010 | ND | ND | ND | ND |
| octa CDF | 222 | PG/L | 0.001 | ND | ND | ND | ND |

| Analyte | MDL | Units | Equiv | INF TCCD SEP P531924 | INF TCCD OCT P533616 | INF TCCD NOV P540027 | INF TCCD DEC P543578 |
|---|---|---|---|---|---|---|---|
| 2,3,7,8-tetra CDD | 125 | PG/L | 1.000 | ND | ND | ND | ND |
| 1,2,3,7,8-penta CDD | 123 | PG/L | 0.500 | ND | ND | ND | ND |
| 1,2,3,4,7,8_hexa_CDD | 113 | PG/L | 0.100 | ND | ND | ND | ND |
| 1,2,3,6,7,8-hexa CDD | 98 | PG/L | 0.100 | ND | ND | ND | ND |
| 1,2,3,7,8,9-hexa CDD | 111 | PG/L | 0.100 | ND | ND | ND | ND |
| 1,2,3,4,6,7,8-hepta CDD | 137 | PG/L | 0.010 | ND | ND | ND | ND |
| octa CDD | 247 | PG/L | 0.001 | ND | ND | ND | ND |
| 2,3,7,8-tetra CDF | 115 | PG/L | 0.100 | ND | ND | ND | ND |
| 1,2,3,7,8-penta CDF | 140 | PG/L | 0.050 | ND | ND | ND | ND |
| 2,3,4,7,8-penta CDF | 118 | PG/L | 0.500 | ND | ND | ND | ND |
| 1,2,3,4,7,8-hexa CDF | 147 | PG/L | 0.100 | ND | ND | ND | ND |
| 1,2,3,6,7,8-hexa CDF | 107 | PG/L | 0.100 | ND | ND | ND | ND |
| 1,2,3,7,8,9-hexa CDF | 152 | PG/L | 0.100 | ND | ND | ND | ND |
| 2,3,4,6,7,8-hexa CDF | 148 | PG/L | 0.100 | ND | ND | ND | ND |
| 1,2,3,4,6,7,8-hepta CDF | 90 | PG/L | 0.010 | ND | ND | ND | ND |
| 1,2,3,4,7,8,9-hepta CDF | 166 | PG/L | 0.010 | ND | ND | ND | ND |
| octa CDF | 222 | PG/L | 0.001 | ND | ND | ND | ND |

Above are permit required CDD/CDF isomers. ND= not detected

SOUTH BAY WATER RECLAMATION PLANT
Annual Sewage Dioxin and Furan Analysis
Annual 2010
Effluent Limit (TCDD): 0.37 pg/L (30-day Average)

| Analyte | MDL | Units | Equiv | EFF TCCD JAN P502518 | EFF TCCD FEB P504512 | EFF TCCD MAR P512092 | EFF TCCD APR P514111 |
|---|---|---|---|---|---|---|---|
| 2,3,7,8-tetra CDD | 125 | PG/L | 1.000 | ND | ND | ND | ND |
| 1,2,3,7,8-penta CDD | 123 | PG/L | 0.500 | ND | ND | ND | ND |
| 1,2,3,4,7,8_hexa_CDD | 113 | PG/L | 0.100 | ND | ND | ND | ND |
| 1,2,3,6,7,8-hexa CDD | 98 | PG/L | 0.100 | ND | ND | ND | ND |
| 1,2,3,7,8,9-hexa CDD | 111 | PG/L | 0.100 | ND | ND | ND | ND |
| 1,2,3,4,6,7,8-hepta CDD | 137 | PG/L | 0.010 | ND | ND | ND | ND |
| octa CDD | 247 | PG/L | 0.001 | ND | ND | ND | ND |
| 2,3,7,8-tetra CDF | 115 | PG/L | 0.100 | ND | ND | ND | ND |
| 1,2,3,7,8-penta CDF | 140 | PG/L | 0.050 | ND | ND | ND | ND |
| 2,3,4,7,8-penta CDF | 118 | PG/L | 0.500 | ND | ND | ND | ND |
| 1,2,3,4,7,8-hexa CDF | 147 | PG/L | 0.100 | ND | ND | ND | ND |
| 1,2,3,6,7,8-hexa CDF | 107 | PG/L | 0.100 | ND | ND | ND | ND |
| 1,2,3,7,8,9-hexa CDF | 152 | PG/L | 0.100 | ND | ND | ND | ND |
| 2,3,4,6,7,8-hexa CDF | 148 | PG/L | 0.100 | ND | ND | ND | ND |
| 1,2,3,4,6,7,8-hepta CDF | 90 | PG/L | 0.010 | ND | ND | ND | ND |
| 1,2,3,4,7,8,9-hepta CDF | 166 | PG/L | 0.010 | ND | ND | ND | ND |
| octa CDF | 222 | PG/L | 0.001 | ND | ND | ND | ND |

| Analyte | MDL | Units | Equiv | EFF TCCD MAY P515506 | EFF TCCD JUN P520727 | EFF TCCD JUL P524644 | EFF TCCD AUG P525072 |
|---|---|---|---|---|---|---|---|
| 2,3,7,8-tetra CDD | 125 | PG/L | 1.000 | ND | ND | ND | ND |
| 1,2,3,7,8-penta CDD | 123 | PG/L | 0.500 | ND | ND | ND | ND |
| 1,2,3,4,7,8_hexa_CDD | 113 | PG/L | 0.100 | ND | ND | ND | ND |
| 1,2,3,6,7,8-hexa CDD | 98 | PG/L | 0.100 | ND | ND | ND | ND |
| 1,2,3,7,8,9-hexa CDD | 111 | PG/L | 0.100 | ND | ND | ND | ND |
| 1,2,3,4,6,7,8-hepta CDD | 137 | PG/L | 0.010 | ND | ND | ND | ND |
| octa CDD | 247 | PG/L | 0.001 | ND | ND | ND | ND |
| 2,3,7,8-tetra CDF | 115 | PG/L | 0.100 | ND | ND | ND | ND |
| 1,2,3,7,8-penta CDF | 140 | PG/L | 0.050 | ND | ND | ND | ND |
| 2,3,4,7,8-penta CDF | 118 | PG/L | 0.500 | ND | ND | ND | ND |
| 1,2,3,4,7,8-hexa CDF | 147 | PG/L | 0.100 | ND | ND | ND | ND |
| 1,2,3,6,7,8-hexa CDF | 107 | PG/L | 0.100 | ND | ND | ND | ND |
| 1,2,3,7,8,9-hexa CDF | 152 | PG/L | 0.100 | ND | ND | ND | ND |
| 2,3,4,6,7,8-hexa CDF | 148 | PG/L | 0.100 | ND | ND | ND | ND |
| 1,2,3,4,6,7,8-hepta CDF | 90 | PG/L | 0.010 | ND | ND | ND | ND |
| 1,2,3,4,7,8,9-hepta CDF | 166 | PG/L | 0.010 | ND | ND | ND | ND |
| octa CDF | 222 | PG/L | 0.001 | ND | ND | ND | ND |

| Analyte | MDL | Units | Equiv | EFF TCCD SEP P531928 | EFF TCCD OCT P533621 | EFF TCCD NOV P540031 | EFF TCCD DEC P543582 |
|---|---|---|---|---|---|---|---|
| 2,3,7,8-tetra CDD | 125 | PG/L | 1.000 | ND | ND | ND | ND |
| 1,2,3,7,8-penta CDD | 123 | PG/L | 0.500 | ND | ND | ND | ND |
| 1,2,3,4,7,8_hexa_CDD | 113 | PG/L | 0.100 | ND | ND | ND | ND |
| 1,2,3,6,7,8-hexa CDD | 98 | PG/L | 0.100 | ND | ND | ND | ND |
| 1,2,3,7,8,9-hexa CDD | 111 | PG/L | 0.100 | ND | ND | ND | ND |
| 1,2,3,4,6,7,8-hepta CDD | 137 | PG/L | 0.010 | ND | ND | ND | ND |
| octa CDD | 247 | PG/L | 0.001 | ND | ND | ND | ND |
| 2,3,7,8-tetra CDF | 115 | PG/L | 0.100 | ND | ND | ND | ND |
| 1,2,3,7,8-penta CDF | 140 | PG/L | 0.050 | ND | ND | ND | ND |
| 2,3,4,7,8-penta CDF | 118 | PG/L | 0.500 | ND | ND | ND | ND |
| 1,2,3,4,7,8-hexa CDF | 147 | PG/L | 0.100 | ND | ND | ND | ND |
| 1,2,3,6,7,8-hexa CDF | 107 | PG/L | 0.100 | ND | ND | ND | ND |
| 1,2,3,7,8,9-hexa CDF | 152 | PG/L | 0.100 | ND | ND | ND | ND |
| 2,3,4,6,7,8-hexa CDF | 148 | PG/L | 0.100 | ND | ND | ND | ND |
| 1,2,3,4,6,7,8-hepta CDF | 90 | PG/L | 0.010 | ND | ND | ND | ND |
| 1,2,3,4,7,8,9-hepta CDF | 166 | PG/L | 0.010 | ND | ND | ND | ND |
| octa CDF | 222 | PG/L | 0.001 | ND | ND | ND | ND |

Above are permit required CDD/CDF isomers.  ND= not detected