



California Regional Water Quality Control Board



Los Angeles Region

Alan C. Lloyd, Ph.D.
Agency Secretary

320 W. 4th Street, Suite 200, Los Angeles, California 90013
Phone (213) 576-6600 Fax (213) 576-6640
<http://www.waterboards.ca.gov>

Arnold Schwarzenegger
Governor

ORDER NO. R4-2006-0005 NPDES NO. CA0002020

The following Discharger is authorized to discharge in accordance with the conditions set forth in this Order:

Discharger	Equilon Enterprises LLC dba Shell Oil Products US
Name of Facility	Sulfur Recovery Plant
Facility Address	23208 South Alameda Street
	Carson, California 90745
	Los Angeles County

The Discharger is authorized to discharge from the following discharge points as set forth below:

Discharge Point	Effluent Description	Discharge Point Latitude	Discharge Point Longitude	Receiving Water
001	Storm water, boiler and cooling tower blowdown, and miscellaneous clean up water	33° 48' 49" N	118° 13' 44" W	Dominguez Channel within the Estuary

This Order was adopted by the Regional Water Board on:	January 19, 2006
This Order shall become effective on:	February 20, 2006
This Order shall expire on:	December 10, 2011
The U.S. Environmental Protection Agency and the Regional Water Board have classified this discharge as a minor discharge.	
The Discharger shall file a Report of Waste Discharge in accordance with Title 23, California Code of Regulations, not later than 180 days in advance of the Order expiration date as application for issuance of new waste discharge requirements.	

IT IS HEREBY ORDERED, that Order No.00-113 is rescinded upon the effective date of this Order except for enforcement purposes, and, in order to meet the provisions contained in Division 7 of the California Water Code (CWC) and regulations adopted thereunder, and the provisions of the federal Clean Water Act (CWA), and regulations and guidelines adopted thereunder, the Discharger shall comply with the requirements in this Order.

I, Jonathan S. Bishop, Executive Officer, do hereby certify the following is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, Los Angeles Region, on January 19, 2006.

Jonathan S. Bishop, Executive Officer

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
 REGION 4, LOS ANGELES REGION**

ORDER NO. R4-2006-0005
 NPDES NO. CA0002020

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I. FACILITY INFORMATION

The following Discharger is authorized to discharge in accordance with the conditions set forth in this Order:

Discharger	Equilon Enterprises LLC dba Shell Oil Products US
Name of Facility	Sulfur Recovery Plant
Facility Address	23208 South Alameda Street
	Carson, California 90745
	Los Angeles County
Facility Contact, Title, and Phone	Brenda Peterson, General Manager (310) 522-6000
Mailing Address	P.O. Box 817, Wilmington, California 90748
Type of Facility	Industrial Sulfur Recovery Plant
Facility Design Flow	0.65 million gallons per day (mgd)

II. FINDINGS

The California Regional Water Quality Control Board, Los Angeles Region (hereinafter Regional Water Board), finds:

- A. **Background.** Equilon Enterprises LLC dba Shell Oil Products US (hereinafter Discharger or Equilon) is currently discharging treated wastewater under Order No. 00-113 and a National Pollutant Discharge Elimination System (NPDES) Permit No. CA0002020. The Discharger submitted a Report of Waste Discharge (ROWD) dated December 8, 2004, and applied for a NPDES permit renewal to discharge up to 0.65 million gallons per day (mgd) of treated storm water and process wastewater (i.e., cooling tower and boiler blowdown, and miscellaneous clean up water) from the Sulfur Recovery Plant (Facility). Miscellaneous clean up water is the wash water from unit housekeeping activities, and wash down water from small spills from settling and skimming basins and condensate. The application was deemed complete on May 18, 2005.
- B. **Facility Description.** Equilon is the owner and operator of a Sulfur Recovery Plant located at 23208 South Alameda Street, Carson, California. Equilon recovers sulfur from refinery processes streams via pipeline from the Los Angeles Refinery located at 2101 East Pacific Coast Highway, Wilmington, California. The Facility maintains a 7,506-barrel holding tank for severely contaminated effluent to prevent discharge prior to treatment or disposal. The combined process wastewater and commingled storm water is treated at the Facility using a combination skimming and settling basin, and a secondary settling basin and then pumped to the Los Angeles Refinery for further treatment prior to discharge to the Los Angeles County Sanitation District. The discharge of treated wastewater and commingled storm water through Discharge Point 001 (see Table on cover page) to the Dominguez Channel, a water of the United States within the Dominguez Channel Estuary, occurs only during significant storm events. There have not been any discharges from Discharge Point 001 during the term of the existing permit. Attachment B depicts the topographic map of the area around the facility. Attachment C depicts the flow schematic of the facility.
- C. **Legal Authorities.** This Order is issued pursuant to section 402 of the Federal Clean Water Act (CWA) and implementing regulations adopted by the U.S. Environmental Protection Agency (USEPA) and Chapter 5.5, Division 7 of the California Water Code (CWC). It shall serve as a NPDES permit for point source discharges from this facility to surface waters. This Order also serves as Waste Discharge Requirements (WDRs) pursuant to Article 4, Chapter 4 of the CWC for discharges that are not subject to regulation under CWA section 402.
- D. **Background and Rationale for Requirements.** The Regional Water Board developed the requirements in this Order based on information submitted as part of the application, through monitoring and reporting programs, and through special studies. Attachments A through I, which contain background information and rationale for Order requirements, are hereby incorporated into this Order and, thus, constitute part of the Findings for this Order.
- E. **California Environmental Quality Act (CEQA).** This action to adopt an NPDES permit is exempt from the provisions of the California Environmental Quality Act (Public Resources Code Section 21100, et seq.) in accordance with Section 13389 of the CWC.
- F. **Technology-based Effluent Limitations.** The Code of Federal Regulations (CFR) at 40 CFR § 122.44(a) requires that permits include applicable technology-based limitations and standards. This Order includes technology-based effluent limitations based on Effluent Limitations

Guidelines and Standards for the Petroleum Refinery Category in 40 CFR Part 419. A detailed discussion of the technology-based effluent limitations development is included in the Fact Sheet (Attachment F).

G. Water Quality-based Effluent Limitations. Section 122.44(d) of 40 CFR requires that permits include water quality-based effluent limitations (WQBELs) to attain and maintain applicable numeric and narrative water quality criteria to protect the beneficial uses of the receiving water. Where numeric water quality objectives have not been established, 40 CFR § 122.44(d) specifies that WQBELs may be established using USEPA criteria guidance under CWA section 304(a), proposed State criteria or a State policy interpreting narrative criteria supplemented with other relevant information, or an indicator parameter.

USEPA approved the State's 2002 303(d) list of impaired water bodies on July 25, 2003. Certain receiving waters in Los Angeles County watersheds do not fully support beneficial uses and therefore have been classified as impaired on the 2002 303(d) list and have been scheduled for Total Maximum Daily Load (TMDL) development. According to the 2002 303(d) list, the Dominguez Channel within the Estuary is impaired for aldrin (fish tissue), ammonia, benthic community effects, ChemA (fish tissue), chromium (sediment), chlordane (fish tissue), DDT (tissue and sediment), dieldrin (fish tissue), coliform, lead (fish tissue), polyaromatic hydrocarbons (PAHs) (sediment), and zinc (sediment). To date, no TMDL has been approved by USEPA for this segment of water. Therefore, no conditions in the Order are based on TMDLs.

H. Water Quality Control Plans. The Regional Water Board adopted a Water Quality Control Plan for the Los Angeles River (hereinafter Basin Plan) on June 13, 1994, which was amended on January 27, 1997, by Regional Water Board Resolution No. 97-02 that designates beneficial uses, establishes water quality objectives, and contains implementation programs and policies to achieve those objectives for all waters addressed through the plan. In addition, State Water Resources Control Board (State Water Board) Resolution No. 88-63 requires that, with certain exceptions, the Regional Water Board assign the municipal and domestic supply use to water bodies that do not have beneficial uses listed in the Basin Plan. Beneficial uses applicable to the Dominguez Channel within the Estuary are as follows:

Discharge Point	Receiving Water Name	Beneficial Use(s)
001	Dominguez Channel (within the Estuary)	<u>Existing:</u> Preservation or rare, threatened or endangered species (RARE), contact (REC-1), non-contact (REC-2) water recreation, commercial and sport fishing (COMM), estuarine habitat (EST), marine habitat (MAR), wildlife habitat (WILD), migration of aquatic organisms (MIG), spawning, reproduction, and/or early development (SPAWN). <u>Potential:</u> Navigation (NAV)

The State Water Board adopted a *Water Quality Control Plan for Control of Temperature in the Coastal and Interstate Water and Enclosed Bays and Estuaries of California* (Thermal Plan) on May 18, 1972, and amended this plan on September 18, 1975. This plan contains temperature objectives for inland surface waters.

Requirements of this Order specifically implement the applicable Water Quality Control Plans.

- I. **Ammonia Basin Plan Amendment.** The 1994 Basin Plan provided water quality objectives for ammonia to protect aquatic life, in Table 3-1 through Table 3-4. However, those ammonia objectives were revised on April 25, 2002, by the Regional Water Board with the adoption of Resolution No. 2002-011, *Amendment to the Water Quality Control Plan for the Los Angeles Region to Update the Ammonia Objectives for Inland Surface Waters (Including Enclosed Bays, Estuaries and Wetlands) with Beneficial Use Designations for Protection of Aquatic Life*. The ammonia Basin Plan amendment was approved by the State Water Board, the Office of Administrative Law, and USEPA on April 30, 2003, June 5, 2003, and June 19, 2003, respectively. Although the revised ammonia water quality objectives may be less stringent than those contained in the 1994 Basin Plan, they are still protective of aquatic life and are consistent with USEPA's 1999 ammonia criteria update.
- J. **National Toxics Rule (NTR) and California Toxics Rule (CTR).** USEPA adopted the NTR on December 22, 1992, which was amended on May 4, 1995 and November 9, 1999, and the CTR on May 18, 2000, which was amended on February 13, 2001. These rules include water quality criteria for priority pollutants and are applicable to this discharge.
- K. **State Implementation Policy.** On March 2, 2000, State Water Board adopted the *Policy for Implementation of Toxics Standards for Inland Surface Waters, Enclosed Bays, and Estuaries of California* (State Implementation Policy or SIP). The SIP became effective on April 28, 2000, with respect to the priority pollutant criteria promulgated for California by the USEPA through the NTR and to the priority pollutant objectives established by the Regional Water Boards in their basin plans, with the exception of the provision on alternate test procedures for individual discharges that have been approved by USEPA Regional Administrator. The alternate test procedures provision was effective on May 22, 2000. The SIP became effective on May 18, 2000. The SIP includes procedures for determining the need for and calculating WQBELs, and requires Dischargers to submit data sufficient to do so. The State Water Board adopted amendments to the SIP on February 24, 2005, was approved by the Office of Administrative Law (OAL) on May 31, 2005, and the USEPA approved it on July 13, 2005. The CTR's Compliance Schedule provisions sunseted on May 17, 2005. After this date, the provisions of the SIP allow for Compliance Schedules not to exceed five years from permit issuance or May 17, 2010, whichever is sooner.
- L. **Compliance Schedules and Interim Requirements.** Section 2.1 of the SIP provides that, based on a discharger's request and demonstration that it is infeasible for an existing discharger to achieve immediate compliance with an effluent limitation derived from a CTR criterion, compliance schedules may be allowed in an NPDES permit. Unless an exception has been granted under Section 5.3 of the SIP, a compliance schedule may not exceed 5 years from the date that the permit is issued or reissued, nor may it extend beyond 10 years from the effective date of the SIP (or May 17, 2010) to establish and comply with CTR criterion-based effluent limitations. Where a compliance schedule for a final effluent limitation exceeds 1 year, the Order must include interim numeric limitations for that constituent or parameter. Where allowed by the Basin Plan, compliance schedules and interim effluent limitations or discharge specifications may also be granted to allow time to implement a new or revised water quality objective. This Order does not include compliance schedules or interim effluent limitations.
- M. **Antidegradation Policy.** Section 131.12 of 40 CFR requires that State water quality standards include an antidegradation policy consistent with the federal policy. The State Water Board established California's antidegradation policy in State Water Board Resolution No. 68-16, which incorporates the requirements of the federal antidegradation policy. Resolution No. 68-16 requires that existing quality of waters be maintained unless degradation is justified based on

specific findings. As discussed in detail in the Fact Sheet (Attachment F) the permitted discharge is consistent with the antidegradation provision of 40 CFR § 131.12 and State Water Board Resolution No. 68-16.

- N. **Anti-Backsliding Requirements.** Sections 402(o)(2) and 303(d)(4) of the CWA and federal regulations at 40 CFR § 122.44(l) prohibit backsliding in NPDES permits. These anti-backsliding provisions require effluent limitations in a reissued permit to be as stringent as those in the existing permit, with some exceptions where limitations may be relaxed. All effluent limitations in this Order are at least as stringent as the effluent limitations in the existing Order.
- O. **Monitoring and Reporting.** Section 122.48 of 40 CFR requires that all NPDES permits specify requirements for recording and reporting monitoring results. Sections 13267 and 13383 of the CWA authorize the Regional Water Boards to require technical and monitoring reports. The Monitoring and Reporting Program (MRP) establishes monitoring and reporting requirements to implement federal and State requirements. This MRP is provided in Attachment E.
- P. **Standard and Special Provisions.** Standard Provisions, which in accordance with 40 CFR §§ 122.41 and 122.42, apply to all NPDES discharges and must be included in every NPDES permit, are provided in Attachment D. The Regional Water Board has also included in this Order special provisions applicable to the Discharger. A rationale for the special provisions contained in this Order is provided in the attached Fact Sheet (Attachment F).
- Q. **Alaska Rule.** On March 30, 2000, USEPA revised its regulation that specifies when new and revised State and Tribal water quality standards (WQS) become effective for Clean Water Act (CWA) purposes (40 CFR § 131.21, 65 FR 24641, April 27, 2000). Under USEPA's new regulation (also known as the Alaska rule), new and revised standards submitted to USEPA after May 30, 2000, must be approved before being used for CWA purposes. The final rule also provides that standards already in effect and submitted to USEPA by May 30, 2000, may be used for CWA purposes, whether or not approved by USEPA.
- R. **Notification of Interested Parties.** The Regional Water Board has notified the Discharger and interested agencies and persons of its intent to prescribe Waste Discharge Requirements for the discharge and has provided them with an opportunity to submit their written comments and recommendations. Details of notification are provided in the Fact Sheet (Attachment F) of this Order.
- S. **Consideration of Public Comment.** The Regional Water Board, in a public meeting, heard and considered all comments pertaining to the discharge. Details of the Public Hearing are provided in the Fact Sheet (Attachment F) of this Order.

III. DISCHARGE PROHIBITIONS

- A. Wastes discharged shall be limited to a maximum of 0.65 mgd of storm water, boiler and cooling tower blowdown, and miscellaneous clean up water as described in the findings. The discharge of wastes from accidental spills or other sources is prohibited.
- B. Discharges of water, materials, thermal wastes, elevated temperature wastes, toxic wastes, deleterious substances, or wastes other than those authorized by this Order, to a storm drain system, Dominguez Channel, or other waters of the State, are prohibited.
- C. Neither the treatment nor the discharge of pollutants shall create a pollution, contamination, or nuisance as defined by Section 13050 of the CWC.
- D. Wastes discharged shall not contain any substances in concentrations toxic to human, animal, plant, or aquatic life.
- E. The discharge shall not cause a violation of any applicable water quality standards for receiving waters adopted by the Regional Water Board or the State Water Board as required by the Federal CWA and regulations adopted thereunder. If more stringent applicable water quality standards are promulgated or approved pursuant to Section 303 of the Federal CWA, and amendments thereto, the Regional Water Board will revise and modify this Order in accordance with such more stringent standards.
- F. The discharge of any radiological, chemical, or biological warfare agent or high level radiological waste is prohibited.
- G. Any discharge of wastes at any point(s) other than specifically described in this Order is prohibited, and constitutes a violation of the Order.

IV. EFFLUENT LIMITATIONS AND DISCHARGE SPECIFICATIONS

A. Effluent Limitations – Discharge Point 001

1. Final Effluent Limitations – Discharge Point 001

- a. The discharge of storm water, boiler and cooling tower blowdown, and miscellaneous clean up water shall maintain compliance with the following effluent limitations at Discharge Point 001, with compliance measured at Monitoring Location M-001 as described in the attached MRP (Attachment E):

Parameter	Units ¹	Effluent Limitations			
		Maximum Daily	Monthly Average	Instantaneous Minimum	Instantaneous Maximum
BOD5@20°C (BOD) ²	Mg/L	48	26	--	--
	lbs/day	260	143	--	--
Oil and Grease ²	Mg/L	15	--	--	--
	lbs/day	27	--	--	--
pH	s.u.	--	--	6.5	8.5
Total Suspended Solids (TSS) ²	Mg/L	34	22	--	--
	lbs/day	182	117	--	--
Arsenic	µg/L	50	--	--	--
	lbs/day	0.27	--	--	--
Cadmium	µg/L	10	--	--	--
	lbs/day	0.054	--	--	--
Chromium (Total) ²	µg/L	50	--	--	--
	lbs/day	0.27	--	--	--
Chromium VI ²	µg/L	60	30	--	--
	lbs/day	0.34	0.15	--	--
Copper	µg/L	4.8	--	--	--
	lbs/day	0.026	--	--	--
Lead	µg/L	50	--	--	--
	lbs/day	0.27	--	--	--
Mercury	µg/L	2	--	--	--
	lbs/day	0.011	--	--	--
Nickel	µg/L	74	--	--	--
	lbs/day	0.40	--	--	--

Parameter	Units ¹	Effluent Limitations			
		Maximum Daily	Monthly Average	Instantaneous Minimum	Instantaneous Maximum
Selenium	µg/L	10	--	--	--
	lbs/day	0.054	--	--	--
Silver	µg/L	1.9	--	--	--
	lbs/day	0.010	--	--	--
Zinc	µg/L	90	--	--	--
	lbs/day	0.49	--	--	--
Cyanide	µg/L	200	--	--	--
	lbs/day	1.08	--	--	--
Benzene	µg/L	71	--	--	--
	lbs/day	0.38	--	--	--
Carbon tetrachloride	µg/L	0.5	--	--	--
	lbs/day	0.0027	--	--	--
Chloroform	µg/L	100	--	--	--
	lbs/day	0.54	--	--	--
1,1-dichloroethane	µg/L	5	--	--	--
	lbs/day	0.027	--	--	--
1,2-dichloroethane	µg/L	0.5	--	--	--
	lbs/day	0.0027	--	--	--
1,1-dichloroethene	µg/L	6	--	--	--
	lbs/day	0.033	--	--	--
Ethylbenzene	µg/L	680	--	--	--
	lbs/day	3.69	--	--	--
Methylene chloride	µg/L	5	--	--	--
	lbs/day	0.027	--	--	--
Tetrachloroethylene	µg/L	5	--	--	--
	lbs/day	0.027	--	--	--
Toluene	µg/L	10	--	--	--
	lbs/day	0.054	--	--	--
Trichloroethylene	µg/L	5	--	--	--
	lbs/day	0.027	--	--	--
Vinyl Chloride	µg/L	0.5	--	--	--
	lbs/day	0.0027	--	--	--

Parameter	Units ¹	Effluent Limitations			
		Maximum Daily	Monthly Average	Instantaneous Minimum	Instantaneous Maximum
Phenol	Mg/L	1.0	--	--	--
	lbs/day	5.42	--	--	--
1,2-dichlorobenzene	µg/L	600	--	--	--
	lbs/day	3.25	--	--	--
1,4-dichlorobenzene	µg/L	5	--	--	--
	lbs/day	0.027	--	--	--
Chemical Oxygen Demand (COD) ²	Mg/L	360	180	--	--
	lbs/day	1950	975	--	--
Phenolic Compounds ^{2,3}	Mg/L	0.35	0.17	--	--
	lbs/day	1.885	0.91	--	--
Residual Chlorine	mg/L	0.1	--	--	--
	lbs/day	0.542	--	--	--
Settleable Solids	ml/L	0.3	--	--	--
Sulfides	mg/L	0.1	--	--	--
	lbs/day	0.54	--	--	--
Temperature	°F	--	--		86
Turbidity	NTU	75	--	--	--
Total Petroleum Hydrocarbons	µg/L	100	--	--	--
	lbs/day	0.54			
Xylenes	µg/L	10	--	--	--
	lbs/day	0.054	--	--	--

¹ Mass limitations based on a discharge rate of 0.65 mgd.

² The effluent limitations for BOD, TSS, COD, oil and grease, phenolic compounds (4AAP), total chromium, and chromium (VI) are established based on the Effluent Limitation Guidelines and Standards the Petroleum Refining Point Source Category defined in 40 CFR Part 419. (See Fact Sheet for details).

³ Phenolic compounds include the sum of the following individual chlorinated and non-chlorinated phenolic compounds: 2-chlorophenol; 2-nitrophenol; phenol; 2,4-dimethylphenol; 2,4-dichlorophenol; 2,4,6-trichlorophenol; 4-chloro-3-methylphenol; 2,4-dinitrophenol; 2-methyl-4,6-dinitrophenol; pentachlorophenol; and 4-nitrophenol. Phenolic compounds are to be measured using the Method 4AAP.

- b. There shall be no acute toxicity in the discharge. The acute toxicity of the effluent shall be such that:
- (1) The average survival in the undiluted effluent for any three (3) consecutive 96-hour static or continuous flow bioassay tests shall be at least 90%, and
 - (2) No single test producing less than 70% survival. Compliance with the toxicity objectives will be determined by the method described in Section V of the MRP (Attachment E).

**2. Interim Effluent Limitations
[Not Applicable]**

**B. Land Discharge Specifications
[Not Applicable]**

**C. Reclamation Specifications
[Not Applicable]**

V. RECEIVING WATER LIMITATIONS

A. Surface Water Limitations

Receiving water limitations are based on water quality objectives contained in the Basin Plan and are a required part of this Order. The discharge shall not cause the following in Dominguez Channel within the Estuary.

1. The normal ambient pH to fall below 6.5 nor exceed 8.5 units nor vary from normal ambient pH levels by more than 0.5 units.
2. Depress the concentration of dissolved oxygen to fall below 5.0 mg/L anytime, and the median dissolved oxygen concentration for any three consecutive months shall not be less than 80 percent of the dissolved oxygen content at saturation.
3. Surface water temperature to rise greater than 5°F above the natural temperature of the receiving waters at any time or place. At no time the temperature be raised above 80° F as a result of waste discharged.
4. Exceed total ammonia (as N) concentrations specified in the Regional Water Board Resolution 2002-011. Resolution No. 2002-011 revised the ammonia criteria in the 1994 Basin Plan, to be consistent with the 1999 USEPA update on ammonia criteria. Adopted on April 28, 2002, Resolution No. 2002-011 was approved by State Water Board, Office of Administrative Law (OAL) and USEPA on April 30, 2003, June 5, 2003, and June 19, 2003, respectively, and is now in effect.
5. The presence of visible, floating, suspended or deposited macroscopic particulate matter or foam.
6. Oils, greases, waxes, or other materials in concentrations that result in a visible film or coating on the surface of the receiving water or on objects in the water.
7. Suspended or settleable materials, chemical substances or pesticides in amounts that cause nuisance or adversely affect any designated beneficial use.
8. Toxic or other deleterious substances in concentrations or quantities which cause deleterious effects on aquatic biota, wildlife, or waterfowl or render any of these unfit for human consumption either at levels created in the receiving waters or as a result of biological concentration.
9. Accumulation of bottom deposits or aquatic growths.

10. Biostimulatory substances at concentrations that promote aquatic growth to the extent that such growth causes nuisance or adversely affects beneficial uses.
11. The presence of substances that result in increases of biochemical oxygen demand (BOD) that adversely affect beneficial uses.
12. Taste or odor-producing substances in concentrations that alter the natural taste, odor, and/or color of fish, shellfish, or other edible aquatic resources; cause nuisance; or adversely affect beneficial uses.
13. Alteration of turbidity, or apparent color beyond present natural background levels.
14. Damage, discolor, nor cause formation of sludge deposits on flood control structures or facilities nor overload the design capacity.
15. Degrade surface water communities and populations including vertebrate, invertebrate, and plant species.
16. Problems associated with breeding of mosquitoes, gnats, black flies, midges, or other pests.
17. Create nuisance, or adversely effect beneficial uses of the receiving water.
18. Violation of any applicable water quality standards for receiving waters adopted by the Regional Water Board or State Water Board. If more stringent applicable water quality standards are promulgated or approved pursuant to section 303 of the CWA, or amendments thereto, the Regional Water Board will revise or modify this Order in accordance with such standards.

B. Groundwater Limitations
[Not Applicable]

VI. PROVISIONS

A. Standard Provisions

1. **Federal Standard Provisions.** The Discharger shall comply with all Standard Provisions included in Attachment D of this Order.
2. **Regional Water Board Standard Provisions.** The Discharger shall comply with the following provisions:
 - a. This Order may be modified, revoked, reissued, or terminated in accordance with the provisions of 40 CFR §§ 122.44, 122.62, 122.63, 122.64, 125.62 and 125.64. Causes for taking such actions include, but are not limited to: failure to comply with any condition of this Order; endangerment to human health or the environment resulting from the permitted activity; or acquisition of newly-obtained information which would have justified the application of different conditions if known at the time of Order adoption. The filing of a request by the Discharger for an Order modification, revocation, and issuance or termination, or a notification of planned changes or anticipated noncompliance does not stay any condition of this Order.
 - b. The Discharger must comply with the lawful requirements of municipalities, counties, drainage districts, and other local agencies regarding discharges of storm water to storm drain systems or other water courses under their jurisdiction; including applicable requirements in municipal storm water management program developed to comply with NPDES permits issued by the Regional Water Board to local agencies.
 - c. Discharge of wastes to any point other than specifically described in this Order and permit is prohibited and constitutes a violation thereof.
 - d. The Discharger shall comply with all applicable effluent limitations, national standards of performance, toxic effluent standards, and all federal regulations established pursuant to Sections 301, 302, 303(d), 304, 306, 307, 316, 318, 405, and 423 of the Federal CWA and amendments thereto.
 - e. These requirements do not exempt the operator of the waste disposal facility from compliance with any other laws, regulations, or ordinances which may be applicable; they do not legalize this waste disposal facility, and they leave unaffected any further restraints on the disposal of wastes at this site which may be contained in other statutes or required by other agencies.
 - f. Oil or oily material, chemicals, refuse, or other pollutionable materials shall not be stored or deposited in areas where they may be picked up by rainfall and carried off of the property and/or discharged to surface waters. Any such spill of such materials shall be contained and removed immediately.
 - g. A copy of these waste discharge specifications shall be maintained at the discharge facility so as to be available at all times to operating personnel.

- h. After notice and opportunity for a hearing, this Order may be terminated or modified for cause, including, but not limited to:
 - 1) Violation of any term or condition contained in this Order;
 - 2) Obtaining this Order by misrepresentation, or failure to disclose all relevant facts;
 - 3) A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge.
- i. If there is any storage of hazardous or toxic materials or hydrocarbons at this facility and if the facility is not manned at all times, a 24-hour emergency response telephone number shall be prominently posted where it can easily be read from the outside.
- j. The Discharger shall notify the Regional Water Board not later than 120 days in advance of implementation of any plans to alter production capacity of the product line of the manufacturing, producing or processing facility by more than ten percent. Such notification shall include estimates of proposed production rate, the type of process, and projected effects on effluent quality. Notification shall include submittal of a new report of waste discharge appropriate filing fee.
- k. The Discharger shall file with the Regional Water Board a report of waste discharge at least 120 days before making any material change or proposed change in the character, location or volume of the discharge.
- l. All existing manufacturing, commercial, mining, and silvicultural dischargers must notify the Regional Water Board as soon as they know or have reason to believe that they have begun or expect to begin to use or manufacture intermediate or final product or byproduct of any toxic pollutant that was not reported on their application.
- m. In the event of any change in name, ownership, or control of these waste disposal facilities, the discharger shall notify this Board of such change and shall notify the succeeding owner or operator of the existence of this Order by letter, copy of which shall be forwarded to the Regional Water Board.
- n. The CWC provides that any person who violates a waste discharge requirement or a provision of the CWC is subject to civil penalties of up to \$5,000 per day, \$10,000 per day, or \$25,000 per day of violation, or when the violation involves the discharge of pollutants, is subject to civil penalties of up to \$10 per gallon per day or \$25 per gallon per day of violation; or some combination thereof, depending on the violation, or upon the combination of violations.

Violation of any of the provisions of the NPDES program or of any of the provisions of this Order may subject the violator to any of the penalties described herein, or any combination thereof, at the discretion of the prosecuting authority; except that only one kind of penalty may be applied for each kind of violation.

- o. The discharge of any product registered under the Federal Insecticide, Fungicide, and Rodenticide Act to any waste stream which may ultimately be released to waters of the United States, is prohibited unless specifically authorized elsewhere in this permit or another NPDES permit. This requirement is not applicable to products used for lawn and agricultural purposes.

- p. The discharge of any waste resulting from the combustion of toxic or hazardous wastes to any waste stream that ultimately discharges to waters of the United States is prohibited, unless specifically authorized elsewhere in this permit.
- q. The Discharger shall notify the Executive Officer in writing no later than 6 months prior to planned discharge of any chemical, other than the products previously reported to the Executive Officer, which may be toxic to aquatic life. Such notification shall include:
 - 1) Name and general composition of the chemical,
 - 2) Frequency of use,
 - 3) Quantities to be used,
 - 4) Proposed discharge concentrations, and
 - 5) USEPA registration number, if applicable.

B. Monitoring and Reporting Program Requirements

The Discharger shall comply with the MRP, and future revisions thereto, in Attachment E of this Order. If there is any conflict between provisions stated in the MRP and the Regional Water Board Standard Provisions, those provisions stated in the MRP shall prevail.

C. Special Provisions

1. Reopener Provisions

- a. If more stringent applicable water quality standards are promulgated or approved pursuant to Section 303 of the Federal CWA, and amendments thereto, the Regional Water Board will revise and modify this Order in accordance with such more stringent standards.
- b. This Order may be reopened to include effluent limitations for toxic constituents determined to be present in significant amounts in the discharge through a more comprehensive monitoring program included as part of this Order and based on the results of the RPA.
- c. This Order may be reopened and modified, to incorporate in accordance with the provisions set forth in 40 CFR Parts 122 and 124, to include requirements for the implementation of the watershed management approach or to include new MLs.
- d. This Order may be reopened and modified to revise effluent limitations as a result of future Basin Plan Amendments, such as an update of an objective or the adoption of a TMDL for the Dominguez Channel.
- e. This Order may be reopened upon submission by the Discharger of adequate information, as determined by the Regional Water Board, to provide for dilution credits or a mixing zone, as may be appropriate.

2. Special Studies, Technical Reports and Additional Monitoring Requirements

- a. **Initial Investigation Toxicity Reduction Evaluation (TRE) Workplan.** The Discharger shall submit to the Regional Water Board an Initial Investigation Toxicity Reduction Evaluation (TRE) workplan (1-2 pages) **within 180 days** of the effective date of this permit. This plan shall describe the steps the permittee intends to follow in the event that toxicity is detected, and should include at a minimum:
- 1) A description of the investigation and evaluation techniques that will be used to identify potential causes/sources of toxicity, effluent variability, and treatment system efficiency;
 - 2) A description of the facility's method of maximizing in-house treatment efficiency and good housekeeping practices, and a list of all chemicals used in operation of the facility;
 - 3) If a toxicity identification evaluation (TIE) is necessary, an indication of the person who would conduct the TIEs (i.e., an in-house expert or an outside contractor) (Section V of the MRP, Attachment E) provides references for the guidance manuals that should be used for performing TIEs).

3. Best Management Practices and Pollution Prevention

- a. **Storm Water Pollution Prevention Plan and Best Management Practices Plan.** The Discharger shall submit, **within 90 days** of the effective date of this Order:
1. An updated SWPPP that describes site-specific management practices for minimizing contamination of storm water runoff and for preventing contaminated storm water runoff from being discharged directly to waters of the State. The tasks shall address the following specific areas of concern: sulfur cleanup, spills, drum storage, and chemical storage. In addition, the SWPPP shall address how to maximize the capacity of the Facility's treatment system during the rainy season in order to ensure that pollutants are removed from any effluent discharged to the maximum extent practicable. The SWPPP shall be updated in accordance with the requirements in Attachment J.
 2. Best Management Practices Plan (BMPP) that entails site-specific plans and procedures implemented and/or to be implemented to prevent erosion as well as hazardous waste/material from being discharged to waters of the State during the discharge of hydrostatic test waters. The BMPP shall be consistent with the general guidance contained in the EPA *Guidance Manual for Developing Best Management Practices (BMPs)* (EPA 833-B-93-004). BMPs in the facility's existing spill prevention plan may be utilized and incorporated into this BMPP.

Both plans shall cover all areas of the facility and shall include an updated drainage map for the facility. The Discharger shall identify on a map of appropriate scale the areas that contribute runoff to the permitted discharge points; describe the activities in each area and the potential for contamination of storm water runoff and the discharge of hazardous waste/material; and address the feasibility of containment and/or treatment of the storm water. The plans shall be reviewed annually and at the same time. Updated information shall be submitted within 30 days of revision.

- 4. Compliance Schedules
[Not Applicable]**
- 5. Construction, Operation and Maintenance Specifications
[Not Applicable]**
- 6. Special Provisions for Municipal Facilities (POTWs Only)
[Not Applicable]**
- 7. Other Special Provisions**

In the event that wastes are transported to a different disposal site, the Discharger shall report types of wastes and quantity of each type; name and address of each hauler of wastes (or method of transport if other than by hauling); and location of the final point(s) of disposal for each type of waste.

VII. COMPLIANCE DETERMINATION

Compliance with the effluent limitations contained in Section IV of this Order will be determined as specified below:

A. Compliance with single constituent effluent limitation.

If the concentration of the pollutant in the monitoring sample is greater than the effluent limitation and greater than or equal to the reported Minimum Level (see Reporting Requirement II.C. of the MRP), then the Discharger is out of compliance.

B. Compliance with effluent limitations expressed as a sum of several constituents.

If the sum of the individual pollutant concentrations is greater than the effluent limitation, then the Discharger is out of compliance. In calculating the sum of the concentrations of a group of pollutants, consider constituents reported as ND or DNQ to have concentrations equal to zero, provided that the applicable ML is used.

C. Mass-based Effluent Limitations. In calculating mass emission rates from the monthly average concentrations, use one half of the method detection limit for "Not Detected" (ND) and the estimated concentration for "Detected, but Not Quantified" (DNQ) for the calculation of the monthly average concentration. To be consistent with Section VII.B, if all pollutants belonging to the same group are reported as ND or DNQ, the sum of the individual pollutant concentrations should be considered as zero for the calculation of the monthly average concentration.

D. Average Monthly Effluent Limitation (AMEL).

If the average of daily discharges over a calendar month exceeds the AMEL for a given parameter, an alleged violation will be flagged and the discharger will be considered out of compliance for each day of that month for that parameter (e.g., resulting in 31 days of non-compliance in a 31-day month). The average of daily discharges over the calendar month that exceeds the AMEL for a parameter will be considered out of compliance for that month only. If only a single sample is taken during the calendar month and the analytical result for that sample exceeds the AMEL, the Discharger will be considered out of compliance for that calendar month. For any one calendar month during which no sample (daily discharge) is taken, no compliance determination can be made for that calendar month.

In determining compliance with the AMEL, the following provisions shall also apply to all constituents:

1. If the analytical result of a single sample, monitored monthly, quarterly, semiannually, or annually, does not exceed the AMEL for that constituent, the Discharger has demonstrated compliance with the AMEL for that month;
2. If the analytical result of a single sample, monitored monthly, quarterly, semiannually, or annually, exceeds the AMEL for any constituent, the Discharger shall collect four additional samples at approximately equal intervals during the month. All five analytical results shall be reported in the monitoring report for that month, or 45 days after results for the additional samples were received, whichever is later.

When all sample results are greater than or equal to the reported Minimum Level (see Reporting Requirement I.G. of the MRP), the numerical average of the analytical results of these five samples will be used for compliance determination.

When one or more sample results are reported as “Not-Detected (ND)” or “Detected, but Not Quantified (DNQ)” (see Reporting Requirement I.G. of the MRP), the median value of these four samples shall be used for compliance determination. If one or both of the middle values is ND or DNQ, the median shall be the lower of the two middle values.

3. In the event of noncompliance with an AMEL, the sampling frequency for that constituent shall be increased to weekly and shall continue at this level until compliance with the AMEL has been demonstrated.
4. If only one sample was obtained for the month or more than a monthly period and the result exceed the AMEL, then the Discharger is in violation of the AMEL.

E. Maximum Daily Effluent Limitation.

If a daily discharge exceeds the MDEL for a given parameter, an alleged violation will be flagged and the discharger will be considered out of compliance for that parameter for that 1 day only within the reporting period. For any 1 day during which no sample is taken, no compliance determination can be made for that day.

F. Instantaneous Minimum Effluent Limitation.

If the analytical result of a single grab sample is lower than the instantaneous minimum effluent limitation for a parameter, a violation will be flagged and the Discharger will be considered out of compliance for that parameter for that single sample. Non-compliance for each sample will be considered separately (e.g., the results of two grab samples taken within a calendar day that both are lower than the instantaneous minimum effluent limitation would result in two instances of non-compliance with the instantaneous minimum effluent limitation).

G. Instantaneous Maximum Effluent Limitation.

If the analytical result of a single grab sample is higher than the instantaneous maximum effluent limitation for a parameter, a violation will be flagged and the Discharger will be considered out of compliance for that parameter for that single sample. Non-compliance for each sample will be considered separately (e.g., the results of two grab samples taken within a calendar day that both exceed the instantaneous maximum effluent limitation would result in two instances of non-compliance with the instantaneous maximum effluent limitation).

ATTACHMENT A – DEFINITIONS, ACRONYMS, AND ABBREVIATIONS

DEFINITIONS

Average Monthly Effluent Limitation: The highest allowable average of daily discharges over a calendar month, calculated as the sum of all daily discharges measured during a calendar month divided by the number of daily discharges measured during that month.

Daily Discharge: Daily Discharge is defined as either: (1) the total mass of the constituent discharged over the calendar day (12:00 am through 11:59 pm) or any 24-hour period that reasonably represents a calendar day for purposes of sampling (as specified in the permit), for a constituent with limitations expressed in units of mass or; (2) the unweighted arithmetic mean measurement of the constituent over the day for a constituent with limitations expressed in other units of measurement (e.g., concentration).

The daily discharge may be determined by the analytical results of a composite sample taken over the course of one day (a calendar day or other 24-hour period defined as a day) or by the arithmetic mean of analytical results from one or more grab samples taken over the course of the day.

For composite sampling, if 1 day is defined as a 24-hour period other than a calendar day, the analytical result for the 24-hour period will be considered as the result for the calendar day in which the 24-hour period ends.

Instantaneous Maximum Effluent Limitation: the highest allowable value for any single grab sample or aliquot (i.e., each grab sample or aliquot is independently compared to the instantaneous maximum limitation).

Instantaneous Minimum Effluent Limitation: the lowest allowable value for any single grab sample or aliquot (i.e., each grab sample or aliquot is independently compared to the instantaneous minimum limitation).

Maximum Daily Effluent Limitation: the highest allowable daily discharge of a pollutant.

ACRONYMS AND ABBREVIATIONS

AMEL	Average Monthly Effluent Limitation
B	Background Concentration
BAT	Best Available Technology Economically Achievable
Basin Plan	<i>Water Quality Control Plan for the Coastal Watersheds of Los Angeles and Ventura Counties</i>
BCT	Best Conventional Pollutant Control Technology
BMP	Best Management Practices
BMPP	Best Management Practices Plan
BPJ	Best Professional Judgment
BOD	Biochemical Oxygen Demand
BPT	Best practicable treatment control technology
C	Water Quality Objective
CCR	California Code of Regulations
CEQA	California Environmental Quality Act
CFR	Code of Federal Regulations
CTR	California Toxics Rule
CV	Coefficient of Variation
CWC	California Water Code
Discharger	Equilon Enterprises LLC dba Shell Oil Products US
DMR	Discharge Monitoring Report
DNQ	Detected But Not Quantified
ECA	Effluent Concentration Allowance
ELAP	California Department of Health Services Environmental Laboratory Accreditation Program
ELG	Effluent Limitations, Guidelines and Standards
Facility	Sulfur Recovery Plant
gpd	gallons per day
IC	Inhibition Coefficient
IC15	Concentration at which the organism is 15% inhibited
IC25	Concentration at which the organism is 25% inhibited
IC40	Concentration at which the organism is 40% inhibited
IC50	Concentration at which the organism is 50% inhibited
LA	Load Allocations
LOEC	Lowest Observed Effect Concentration
LTA	Long-Term Average
MDEL	Maximum Daily Effluent Limitation
MEC	Maximum Effluent Concentration
MGD	Million Gallons Per Day
ML	Minimum Level
MRP	Monitoring and Reporting Program
ND	Not Detected
NOEC	No Observable Effect Concentration
NPDES	National Pollutant Discharge Elimination System
NSPS	New Source Performance Standards
NTR	National Toxics Rule
OAL	Office of Administrative Law
POTW	Publicly Owned Treatment Works
PMP	Pollutant Minimization Plan
QA	Quality Assurance

QA/QC	Quality Assurance/Quality Control
Regional Water Board	California Regional Water Quality Control Board, Los Angeles Region
RPA	Reasonable Potential Analysis
SCP	Spill Contingency Plan
SIP	State Implementation Policy (<i>Policy for Implementation of Toxics Standards for Inland Surface Waters, Enclosed Bays, and Estuaries of California</i>)
SMR	Self Monitoring Reports
State Water Board	California State Water Resources Control Board
SWPPP	Storm Water Pollution Prevention Plan
TAC	Test Acceptability Criteria
Thermal Plan	<i>Water Quality Control Plan for Control of Temperature in the Coastal and Interstate Water and Enclosed Bays and Estuaries of California</i>
TIE	Toxicity Identification Evaluation
TMDL	Total Maximum Daily Load
TOC	Total Organic Carbon
TRE	Toxicity Reduction Evaluation
TSD	Technical Support Document
TSS	Total Suspended Solid
TU	Toxicity Unit
USEPA	United States Environmental Protection Agency
WDR	Waste Discharge Requirements
WET	Whole effluent toxicity
WLA	Waste Load Allocations
WQBELs	Water Quality-Based Effluent Limitations

Equilon Enterprises LLC dba Shell Oil Products US
Sulfur Recovery Plant
ORDER NO. R4-2006-0005
NPDES NO. CA0002020

ATTACHMENT B – TOPOGRAPHIC MAP

Equilon Enterprises LLC dba Shell Oil Products US
Sulfur Recovery Plant
ORDER NO. R4-2006-0005
NPDES NO. CA0002020

ATTACHMENT C – FLOW SCHEMATIC

ATTACHMENT D – FEDERAL STANDARD PROVISIONS

I. STANDARD PROVISIONS – PERMIT COMPLIANCE

A. Duty to Comply

1. The Discharger must comply with all of the conditions of this Order. Any noncompliance constitutes a violation of the CWA and the CWC and is grounds for enforcement action, for permit termination, revocation and reissuance, or denial of a permit renewal application [40 CFR § 122.41(a)].
2. The Discharger shall comply with effluent standards or prohibitions established under Section 307(a) of the CWA for toxic pollutants and with standards for sewage sludge use or disposal established under Section 405(d) of the CWA within the time provided in the regulations that establish these standards or prohibitions, even if this Order has not been modified to incorporate the requirement [40 CFR § 122.41(a)(1)].

B. Need to Halt or Reduce Activity Not a Defense

It shall not be a defense for a Discharger in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this Order [40 CFR § 122.41(c)].

C. Duty to Mitigate

The Discharger shall take all reasonable steps to minimize or prevent any discharge or sludge use or disposal in violation of this Order that has a reasonable likelihood of adversely affecting human health or the environment [40 CFR § 122.41(d)].

D. Proper Operation and Maintenance

The Discharger shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the Discharger to achieve compliance with the conditions of this Order. Proper operation and maintenance also includes adequate laboratory controls and appropriate quality assurance procedures. This provision requires the operation of backup or auxiliary facilities or similar systems that are installed by a Discharger only when necessary to achieve compliance with the conditions of this Order [40 CFR § 122.41(e)].

E. Property Rights

1. This Order does not convey any property rights of any sort or any exclusive privileges [40 CFR § 122.41(g)].
2. The issuance of this Order does not authorize any injury to persons or property or invasion of other private rights, or any infringement of State or local law or regulations [40 CFR § 122.5(c)].

F. Inspection and Entry

The Discharger shall allow the Regional Water Board, State Water Board, USEPA, and/or their authorized representatives (including an authorized contractor acting as their representative), upon the presentation of credentials and other documents, as may be required by law, to [40 CFR § 122.41(i)] [CWC 13383(c)]:

1. Enter upon the Discharger' s premises where a regulated facility or activity is located or conducted, or where records are kept under the conditions of this Order [40 CFR § 122.41(i)(1)];
2. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this Order [40 CFR § 122.41(i)(2)];
3. Inspect and photograph, at reasonable times, any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this Order [40 CFR § 122.41(i)(3)];
4. Sample or monitor, at reasonable times, for the purposes of assuring Order compliance or as otherwise authorized by the CWA or the CWC, any substances or parameters at any location [40 CFR § 122.41(i)(4)].

G. Bypass

1. Definitions
 - a. "Bypass" means the intentional diversion of waste streams from any portion of a treatment facility [40 CFR § 122.41(m)(1)(i)].
 - b. "Severe property damage" means substantial physical damage to property, damage to the treatment facilities, which causes them to become inoperable, or substantial and permanent loss of natural resources that can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production [40 CFR § 122.41(m)(1)(ii)].
2. Bypass not exceeding limitations – The Discharger may allow any bypass to occur which does not cause exceedances of effluent limitations, but only if it is for essential maintenance to assure efficient operation. These bypasses are not subject to the provisions listed in Standard Provisions – Permit Compliance I.G.3 and I.G.5 below [40 CFR § 122.41(m)(2)].
3. Prohibition of bypass – Bypass is prohibited, and the Regional Water Board may take enforcement action against a Discharger for bypass, unless [40 CFR § 122.41(m)(4)(i)]:
 - a. Bypass was unavoidable to prevent loss of life, personal injury, or severe property damage [40 CFR § 122.41(m)(4)(A)];
 - b. There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate back-up equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass that occurred during normal periods of equipment downtime or preventive maintenance [40 CFR § 122.41(m)(4)(B)]; and

- c. The Discharger submitted notice to the Regional Water Board as required under Standard Provision – Permit Compliance I.G.5 below [40 CFR § 122.41(m)(4)(C)].
4. The Regional Water Board may approve an anticipated bypass, after considering its adverse effects, if the Regional Water Board determines that it will meet the three conditions listed in Standard Provisions – Permit Compliance I.G.3 above [40 CFR § 122.41(m)(4)(ii)].
5. Notice
 - a. Anticipated bypass. If the Discharger knows in advance of the need for a bypass, it shall submit a notice, if possible at least 10 days before the date of the bypass [40 CFR § 122.41(m)(3)(i)].
 - b. Unanticipated bypass. The Discharger shall submit notice of an unanticipated bypass as required in Standard Provisions - Reporting V.E below [40 CFR § 122.41(m)(3)(ii)].

H. Upset

Upset means an exceptional incident in which there is unintentional and temporary noncompliance with technology based permit effluent limitations because of factors beyond the reasonable control of the permittee. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation [40 CFR § 122.41(n)(1)].

1. Effect of an upset. An upset constitutes an affirmative defense to an action brought for noncompliance with such technology based permit effluent limitations if the requirements of paragraph H.2 of this section are met. No determination made during administrative review of claims that noncompliance was caused by upset, and before an action for noncompliance, is final administrative action subject to judicial review [40 CFR § 122.41(n)(2)].
2. Conditions necessary for a demonstration of upset. A Discharger who wishes to establish the affirmative defense of upset shall demonstrate, through properly signed, contemporaneous operating logs or other relevant evidence that [40 CFR § 122.41(n)(3)]:
 - a. An upset occurred and that the Discharger can identify the cause(s) of the upset [40 CFR § 122.41(n)(3)(i)];
 - b. The permitted facility was, at the time, being properly operated [40 CFR § 122.41(n)(3)(i)];
 - c. The Discharger submitted notice of the upset as required in Standard Provisions – Reporting V.E.2.b [40 CFR § 122.41(n)(3)(iii)]; and
 - d. The Discharger complied with any remedial measures required under Standard Provisions – Permit Compliance I.C above [40 CFR § 122.41(n)(3)(iv)].
3. Burden of proof. In any enforcement proceeding, the Discharger seeking to establish the occurrence of an upset has the burden of proof [40 CFR § 122.41(n)(4)].

II. STANDARD PROVISIONS – PERMIT ACTION

A. General

This Order may be modified, revoked and reissued, or terminated for cause. The filing of a request by the Discharger for modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any Order condition [40 CFR § 122.41(f)].

B. Duty to Reapply

If the Discharger wishes to continue an activity regulated by this Order after the expiration date of this Order, the Discharger must apply for and obtain a new permit [40 CFR § 122.41(b)].

C. Transfers

This Order is not transferable to any person except after notice to the Regional Water Board. The Regional Water Board may require modification or revocation and reissuance of the Order to change the name of the Discharger and incorporate such other requirements as may be necessary under the CWA and the CWC [40 CFR § 122.41(l)(3)] [40 CFR § 122.61].

III. STANDARD PROVISIONS – MONITORING

- A. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity [40 CFR § 122.41(j)(1)].
- B. Monitoring results must be conducted according to test procedures under 40 CFR Part 136 or, in the case of sludge use or disposal, approved under 40 CFR Part 136 unless otherwise specified in 40 CFR Part 503 unless other test procedures have been specified in this Order [40 CFR § 122.41(j)(4)] [40 CFR § 122.44(i)(1)(iv)].

IV. STANDARD PROVISIONS – RECORDS

- A. Except for records of monitoring information required by this Order related to the Discharger's sewage sludge use and disposal activities, which shall be retained for a period of at least five years (or longer as required by 40 CFR Part 503), the Discharger shall retain records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this Order, and records of all data used to complete the application for this Order, for a period of at least three (3) years from the date of the sample, measurement, report or application. This period may be extended by request of the Regional Water Board Executive Officer at any time [40 CFR § 122.41(j)(2)].

B. Records of monitoring information shall include:

1. The date, exact place, and time of sampling or measurements [40 CFR § 122.41(j)(3)(i)];
2. The individual(s) who performed the sampling or measurements [40 CFR § 122.41(j)(3)(ii)];
3. The date(s) analyses were performed [40 CFR § 122.41(j)(3)(iii)];
4. The individual(s) who performed the analyses [40 CFR § 122.41(j)(3)(iv)];

5. The analytical techniques or methods used [40 CFR § 122.41(j)(3)(v)]; and
6. The results of such analyses [40 CFR § 122.41(j)(3)(vi)].

C. Claims of confidentiality for the following information will be denied [40 CFR § 122.7(b)]:

1. The name and address of any permit applicant or Discharger [40 CFR § 122.7(b)(1)]; and
2. Permit applications and attachments, permits and effluent data [40 CFR § 122.7(b)(2)].

V. STANDARD PROVISIONS – REPORTING

A. Duty to Provide Information

The Discharger shall furnish to the Regional Water Board, State Water Board, or USEPA within a reasonable time, any information which the Regional Water Board, State Water Board, or USEPA may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this Order or to determine compliance with this Order. Upon request, the Discharger shall also furnish to the Regional Water Board, State Water Board, or USEPA copies of records required to be kept by this Order [40 CFR § 122.41(h)] [CWC 13267].

B. Signatory and Certification Requirements

1. All applications, reports, or information submitted to the Regional Water Board, State Water Board, and/or USEPA shall be signed and certified in accordance with paragraph (2.) and (3.) of this provision [40 CFR § 122.41(k)].
2. All permit applications shall be signed as follows:
 - a. For a corporation: By a responsible corporate officer. For the purpose of this section, a responsible corporate officer means: (i) A president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy- or decision-making functions for the corporation, or (ii) the manager of one or more manufacturing, production, or operating facilities, provided, the manager is authorized to make management decisions which govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures [40 CFR § 122.22(a)(1)];
 - b. For a partnership or sole proprietorship: by a general partner or the proprietor, respectively [40 CFR § 122.22(a)(2)]; or
 - c. For a municipality, State, federal, or other public agency: by either a principal executive officer or ranking elected official. For purposes of this provision, a principal executive officer of a federal agency includes: (i) the chief executive officer of the agency, or (ii) a senior executive officer having responsibility for the overall operations of a principal

geographic unit of the agency (e.g., Regional Administrators of USEPA) [40 CFR § 122.22(a)(3)].

3. All reports required by this Order and other information requested by the Regional Water Board, State Water Board, or USEPA shall be signed by a person described in paragraph (b) of this provision, or by a duly authorized representative of that person. A person is a duly authorized representative only if:
 - a. The authorization is made in writing by a person described in paragraph (2.) of this provision [40 CFR § 122.22(b)(1)];
 - b. The authorization specified either an individual or a position having responsibility for the overall operation of the regulated facility or activity such as the position of plant manager, operator of a well or a well field, superintendent, position of equivalent responsibility, or an individual or position having overall responsibility for environmental matters for the company (a duly authorized representative may thus be either a named individual or any individual occupying a named position) [40 CFR § 122.22(b)(2)]; and
 - c. The written authorization is submitted to the Regional Water Board, State Water Board, or USEPA [40 CFR § 122.22(b)(3)].
4. If an authorization under paragraph (3.) of this provision is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization satisfying the requirements of paragraph (3.) of this provision must be submitted to the Regional Water Board, State Water Board or USEPA prior to or together with any reports, information, or applications, to be signed by an authorized representative [40 CFR § 122.22(c)].
5. Any person signing a document under paragraph (2.) or (3.) of this provision shall make the following certification:

“I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations” [40 CFR § 122.22(d)].

C. Monitoring Reports

1. Monitoring results shall be reported at the intervals specified in the MRP in this Order [40 CFR § 122.41(l)(4)].
2. Monitoring results must be reported on a Discharge Monitoring Report (DMR) form or forms provided or specified by the Regional Water Board or State Water Board for reporting results of monitoring of sludge use or disposal practices [40 CFR § 122.41(l)(4)(i)].
3. If the Discharger monitors any pollutant more frequently than required by this Order using test procedures approved under 40 CFR Part 136 or, in the case of sludge use or disposal, approved under 40 CFR Part 136 unless otherwise specified in 40 CFR Part 503, or as

specified in this Order, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the DMR or sludge reporting form specified by the Regional Water Board [40 CFR § 122.41(l)(4)(ii)].

4. Calculations for all limitations, which require averaging of measurements, shall utilize an arithmetic mean unless otherwise specified in this Order [40 CFR § 122.41(l)(4)(iii)].

D. Compliance Schedules

Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this Order, shall be submitted no later than 14 days following each schedule date [40 CFR § 122.41(l)(5)].

E. Twenty-Four Hour Reporting

1. The Discharger shall report any noncompliance that may endanger health or the environment. Any information shall be provided orally within 24 hours from the time the Discharger becomes aware of the circumstances. A written submission shall also be provided within five (5) days of the time the Discharger becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance [40 CFR § 122.41(l)(6)(i)].
2. The following shall be included as information that must be reported within 24 hours under this paragraph [40 CFR § 122.41(l)(6)(ii)]:
 - a. Any unanticipated bypass that exceeds any effluent limitation in this Order [40 CFR § 122.41(l)(6)(ii)(A)].
 - b. Any upset that exceeds any effluent limitation in this Order [40 CFR § 122.41(l)(6)(ii)(B)].
 - c. Violation of a maximum daily discharge limitation for any of the pollutants listed in this Order to be reported within 24 hours [40 CFR § 122.41(l)(6)(ii)(C)].
3. The Regional Water Board may waive the above-required written report under this provision on a case-by-case basis if an oral report has been received within 24 hours [40 CFR § 122.41(l)(6)(iii)].

F. Planned Changes

The Discharger shall give notice to the Regional Water Board as soon as possible of any planned physical alterations or additions to the permitted facility. Notice is required under this provision only when [40 CFR § 122.41(l)(1)]:

1. The alteration or addition to a permitted facility may meet one of the criteria for determining whether a facility is a new source in 40 CFR § 122.29(b) [40 CFR § 122.41(l)(1)(i)]; or
2. The alteration or addition could significantly change the nature or increase the quantity of pollutants discharged. This notification applies to pollutants which are subject neither to

effluent limitations in this Order nor to notification requirements under 40 CFR § 122.42(a)(1) (see Additional Provisions—Notification Levels VII.A.1) [40 CFR § 122.41(l)(1)(iii)].

3. The alteration or addition results in a significant change in the Discharger's sludge use or disposal practices, and such alteration, addition, or change may justify the application of permit conditions that are different from or absent in the existing permit, including notification of additional use or disposal sites not reported during the permit application process or not reported pursuant to an approved land application plan [40 CFR § 122.41(l)(1)(iii)].

G. Anticipated Noncompliance

The Discharger shall give advance notice to the Regional Water Board or State Water Board of any planned changes in the permitted facility or activity that may result in noncompliance with General Order requirements [40 CFR § 122.41(l)(2)].

H. Other Noncompliance

The Discharger shall report all instances of noncompliance not reported under Standard Provisions – Reporting E.3, E.4, and E.5 at the time monitoring reports are submitted. The reports shall contain the information listed in Standard Provision – Reporting V.E [40 CFR § 122.41(l)(7)].

I. Other Information

When the Discharger becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or in any report to the Regional Water Board, State Water Board, or USEPA, the Discharger shall promptly submit such facts or information [40 CFR § 122.41(l)(8)].

VI. STANDARD PROVISIONS – ENFORCEMENT

- A. The CWA provides that any person who violates section 301, 302, 306, 307, 308, 318 or 405 of the Act, or any permit condition or limitation implementing any such sections in a permit issued under section 402, or any requirement imposed in a pretreatment program approved under sections 402(a)(3) or 402(b)(8) of the Act, is subject to a civil penalty not to exceed \$25,000 per day for each violation. The CWA provides that any person who negligently violates sections 301, 302, 306, 307, 308, 318, or 405 of the Act, or any condition or limitation implementing any of such sections in a permit issued under section 402 of the Act, or any requirement imposed in a pretreatment program approved under section 402(a)(3) or 402(b)(8) of the Act, is subject to criminal penalties of \$2,500 to \$25,000 per day of violation, or imprisonment of not more than one (1) year, or both. In the case of a second or subsequent conviction for a negligent violation, a person shall be subject to criminal penalties of not more than \$50,000 per day of violation, or by imprisonment of not more than two (2) years, or both. Any person who knowingly violates such sections, or such conditions or limitations is subject to criminal penalties of \$5,000 to \$50,000 per day of violation, or imprisonment for not more than three (3) years, or both. In the case of a second or subsequent conviction for a knowing violation, a person shall be subject to criminal penalties of not more than \$100,000 per day of violation, or imprisonment of not more than six (6) years, or both. Any person who knowingly violates section 301, 302, 303, 306, 307, 308, 318 or 405 of the Act, or any permit condition or limitation implementing any of such sections in a permit issued under section 402 of the Act, and who knows at that time that he thereby places another person in imminent danger of death or serious bodily injury, shall, upon conviction, be subject to a fine of not more than \$250,000 or imprisonment of not more than 15

years, or both. In the case of a second or subsequent conviction for a knowing endangerment violation, a person shall be subject to a fine of not more than \$500,000 or by imprisonment of not more than 30 years, or both. An organization, as defined in section 309(c)(3)(B)(iii) of the CWA, shall, upon conviction of violating the imminent danger provision, be subject to a fine of not more than \$1,000,000 and can be fined up to \$2,000,000 for second or subsequent convictions [40 CFR § 122.41(a)(2)] [CWC 13385 and 13387].

- B. Any person may be assessed an administrative penalty by the Regional Water Board for violating section 301, 302, 306, 307, 308, 318 or 405 of this Act, or any permit condition or limitation implementing any of such sections in a permit issued under section 402 of this Act. Administrative penalties for Class I violations are not to exceed \$10,000 per violation, with the maximum amount of any Class I penalty assessed not to exceed \$25,000. Penalties for Class II violations are not to exceed \$10,000 per day for each day during which the violation continues, with the maximum amount of any Class II penalty not to exceed \$125,000 [40 CFR § 122.41(a)(3)].
- C. The CWA provides that any person who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required to be maintained under this permit shall, upon conviction, be punished by a fine of not more than \$10,000, or by imprisonment for not more than 2 years, or both. If a conviction of a person is for a violation committed after a first conviction of such person under this paragraph, punishment is a fine of not more than \$20,000 per day of violation, or by imprisonment of not more than 4 years, or both [40 CFR § 122.41(j)(5)].
- D. The CWA provides that any person who knowingly makes any false statement, representation, or certification in any record or other document submitted or required to be maintained under this Order, including monitoring reports or reports of compliance or noncompliance shall, upon conviction, be punished by a fine of not more than \$10,000 per violation, or by imprisonment for not more than six months per violation, or by both [40 CFR § 122.41(k)(2)].

VII. ADDITIONAL PROVISIONS – NOTIFICATION LEVELS

A. Non-Municipal Facilities

Existing manufacturing, commercial, mining, and silvicultural dischargers shall notify the Regional Water Board as soon as they know or have reason to believe [40 CFR § 122.42(a)]:

1. That any activity has occurred or will occur that would result in the discharge, on a routine or frequent basis, of any toxic pollutant that is not limited in this Order, if that discharge will exceed the highest of the following "notification levels" [40 CFR § 122.42(a)(1)]:
 - a. 100 micrograms per liter (µg/L) [40 CFR § 122.42(a)(1)(i)];
 - b. 200 µg/L for acrolein and acrylonitrile; 500 µg/L for 2,4-dinitrophenol and 2-methyl-4,6-dinitrophenol; and 1 milligram per liter (mg/L) for antimony [40 CFR § 122.42(a)(1)(ii)];
 - c. Five (5) times the maximum concentration value reported for that pollutant in the Report of Waste Discharge [40 CFR § 122.42(a)(1)(iii)]; or
 - d. The level established by the Regional Water Board in accordance with 40 CFR § 122.44(f) [40 CFR § 122.42(a)(1)(iv)].

2. That any activity has occurred or will occur that would result in the discharge, on a non-routine or infrequent basis, of any toxic pollutant that is not limited in this Order, if that discharge will exceed the highest of the following "notification levels" [40 CFR § 122.42(a)(2)]:
 - a. 500 micrograms per liter (µg/L) (40 CFR § 122.42(a)(2)(i));
 - b. 1 milligram per liter (mg/L) for antimony [40 CFR § 122.42(a)(2)(ii)];
 - c. Ten (10) times the maximum concentration value reported for that pollutant in the Report of Waste Discharge [40 CFR § 122.42(a)(2)(iii)]; or
 - d. The level established by the Regional Water Board in accordance with 40 CFR § 122.44(f) [40 CFR § 122.42(a)(2)(iv)].

B. Publicly-Owned Treatment Works (POTWs)

All POTWs shall provide adequate notice to the Regional Water Board of the following [40 CFR § 122.42(b)]:

1. Any new introduction of pollutants into the POTW from an indirect discharger that would be subject to Sections 301 or 306 of the CWA if it were directly discharging those pollutants [40 CFR § 122.42(b)(1)]; and
2. Any substantial change in the volume or character of pollutants being introduced into that POTW by a source introducing pollutants into the POTW at the time of adoption of the Order [40 CFR § 122.42(b)(2)].

Adequate notice shall include information on the quality and quantity of effluent introduced into the POTW as well as any anticipated impact of the change on the quantity or quality of effluent to be discharged from the POTW [40 CFR § 122.42(b)(3)].

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ATTACHMENT E – MONITORING AND REPORTING PROGRAM NO. 1511

The Code of Federal Regulations (CFR) at 40 CFR § 122.48 requires that all NPDES permits specify monitoring and reporting requirements. CWC sections 13267 and 13383 also authorize the Regional Water Quality Control Board (Regional Water Board) to require technical and monitoring reports. This MRP establishes monitoring and reporting requirements which implement the federal and California regulations.

I. GENERAL MONITORING PROVISIONS

- A. An effluent sampling station shall be established for the point of discharge (Discharge Point 001 [Latitude 33°48'49" N, Longitude 118°13'44" W]) and shall be located where representative samples of that effluent can be obtained.
- B. Effluent samples shall be taken downstream of any addition to treatment works and prior to mixing with the receiving waters.
- C. This Regional Water Board shall be notified in writing of any change in the sampling stations once established or in the methods for determining the quantities of pollutants in the individual waste streams.
- D. Pollutants shall be analyzed using the analytical methods described in 40 CFR §§ 136.3, 136.4, and 136.5 (revised May 14, 1999); or, where no methods are specified for a given pollutant, by methods approved by this Regional Water Board or the State Water Board. Laboratories analyzing effluent samples and receiving water samples shall be certified by the California Department of Health Services Environmental Laboratory Accreditation Program (ELAP) or approved by the Executive Officer and must include quality assurance/quality control (QA/QC) data in their reports. A copy of the laboratory certification shall be provided each time a new certification and/or renewal of the certification is obtained from ELAP.
- E. For any analyses performed for which no procedure is specified in the USEPA guidelines or in the MRP, the constituent or parameter analyzed and the method or procedure used must be specified in the monitoring report.
- F. Each monitoring report must affirm in writing that "all analyses were conducted at a laboratory certified for such analyses by the Department of Health Services or approved by the Executive Officer and in accordance with current USEPA guideline procedures or as specified in this MRP".
- G. The monitoring reports shall specify the analytical method used, the Method Detection Limit (MDL), and the Minimum Level (ML) for each pollutant. For the purpose of reporting compliance with numerical limitations, performance goals, and receiving water limitations, analytical data shall be reported by one of the following methods, as appropriate:
 1. An actual numerical value for sample results greater than or equal to the ML; or
 2. "Detected, but Not Quantified (DNQ)" if results are greater than or equal to the laboratory's MDL but less than the ML; or
 3. "Not-Detected (ND)" for sample results less than the laboratory's MDL with the MDL indicated for the analytical method used.

Analytical data reported as “less than” for the purpose of reporting compliance with permit limitations shall be the same or lower than the permit limit(s) established for the given parameter.

Current MLs (Attachment G) are those published by the State Water Resources Control Board in the Policy for the Implementation of Toxics Standards for Inland Surface Waters, Enclosed Bays, and Estuaries of California, March 2, 2000.

- H. Where possible, the MLs employed for effluent analyses shall be lower than the permit limitations established for a given parameter. If the ML value is not below the effluent limitation, then the lowest ML value and its associated analytical method shall be selected for compliance purposes. At least once a year, the Discharger shall submit a list of the analytical methods employed for each test and associated laboratory QA/QC procedures.

The Regional Water Board, in consultation with the State Water Board Quality Assurance Program, shall establish a ML that is not contained in Attachment G to be included in the Discharger’s permit in any of the following situations:

1. When the pollutant under consideration is not included in Attachment G;
 2. When the Discharger and Regional Water Board agree to include in the permit a test method that is more sensitive than that specified in 40 CFR Part 136 (revised May 14, 1999);
 3. When the Discharger agrees to use an ML that is lower than that listed in Attachment G;
 4. When the Discharger demonstrates that the calibration standard matrix is sufficiently different from that used to establish the ML in Attachment G, and proposes an appropriate ML for their matrix; or,
 5. When the Discharger uses a method whose quantification practices are not consistent with the definition of an ML. Examples of such methods are the USEPA -approved method 1613 for dioxins and furans, method 1624 for volatile organic substances, and method 1625 for semi-volatile organic substances. In such cases, the Discharger, the Regional Water Board, and the State Water Board shall agree on a lowest quantifiable limit and that limit will substitute for the ML for reporting and compliance determination purposes.
- I. Water/wastewater samples must be analyzed within allowable holding time limits as specified in 40 CFR § 136.3. All QA/QC items must be run on the same dates the samples were actually analyzed, and the results shall be reported in the Regional Water Board format, when it becomes available, and submitted with the laboratory reports. Proper chain of custody procedures must be followed, and a copy of the chain of custody shall be submitted with the report.
- J. All analyses shall be accompanied by the chain of custody, including but not limited to data and time of sampling, sample identification, and name of person who performed sampling, date of analysis, name of person who performed analysis, QA/QC data, method detection limits, analytical methods, copy of laboratory certification, and a perjury statement executed by the person responsible for the laboratory.

- K. The Discharger shall calibrate and perform maintenance procedures on all monitoring instruments and to insure accuracy of measurements, or shall insure that both equipment activities will be conducted.
- L. The Discharger shall have, and implement, an acceptable written quality assurance (QA) plan for laboratory analyses. The annual monitoring report required in Section X.D shall also summarize the QA activities for the previous year. Duplicate chemical analyses must be conducted on a minimum of ten percent (10%) of the samples, or at least one sample per sampling period, whichever is greater. A similar frequency shall be maintained for analyzing spiked samples.
- M. When requested by the Regional Water Board or USEPA, the Discharger will participate in the NPDES discharge monitoring report QA performance study. The Discharger must have a success rate equal to or greater than 80%.
- N. For parameters that both average monthly and daily maximum limitations are specified and the monitoring frequency is less than four times a month, the following shall apply. If an analytical result is greater than the average monthly limit, the Discharger shall collect four additional samples at approximately equal intervals during the month, until compliance with the average monthly limit has been demonstrated. All five analytical results shall be reported in the monitoring report for that month, or 45 days after results for the additional samples were received, whichever is later. In the event of noncompliance with an average monthly effluent limitation, the sampling frequency for that constituent shall be increased to weekly and shall continue at this level until compliance with the average monthly effluent limitation has been demonstrated. The Discharger shall provide for the approval of the Executive Officer a program to ensure future compliance with the average monthly limit.
- O. In the event wastes are transported to a different disposal site during the report period, the following shall be reported in the monitoring report:
 - 1. Types of wastes and quantity of each type;
 - 2. Name and address for each hauler of wastes (or method of transport if other than by hauling); and
 - 3. Location of the final point(s) of disposal for each type of waste.If no wastes are transported off-site during the reporting period, a statement to that effect shall be submitted.
- P. Each monitoring report shall state whether or not there was any change in the discharge as described in the Order during the reporting period.

II. MONITORING LOCATIONS

The Discharger shall establish the following monitoring location to demonstrate compliance with the effluent limitations, discharge specifications, and other requirements in this Order:

Discharge Point Name	Monitoring Location Name	Monitoring Location Description
001	M-001	At the discharge point located where representative samples of the treated effluent can be obtained
---	R-001	50 feet upstream of the discharge point into Dominguez Channel

III. INFLUENT MONITORING REQUIREMENTS [Not Applicable]

IV. EFFLUENT MONITORING REQUIREMENTS

A. Monitoring Location M-001

- The Discharger shall monitor the discharge of storm water, cooling tower and boiler blowdown, and miscellaneous clean up water as follows:

Parameter	Units	Sample Type	Minimum Sampling Frequency ^{1,2}	Required Analytical Test Method
Flow, Total	Gpd	Grab	1/discharge event	³
BOD5@20°C	mg/L	Grab	1/discharge event	³
	lbs/day	Calculated ⁴	1/discharge event	--
Oil and Grease	mg/L	Grab	1/discharge event	³
	lbs/day	Calculated ⁴	1/discharge event	--
PH	s.u.	Grab	1/discharge event	³
Total Suspended Solids	mg/L	Grab	1/discharge event	³
	lbs/day	Calculated ⁴	1/discharge event	--
Arsenic	µg/L	Grab	1/discharge event	³
	lbs/day	Calculated ⁴	1/discharge event	--
Cadmium	µg/L	Grab	1/discharge event	³
	lbs/day	Calculated ⁴	1/discharge event	--
Chromium, Total	µg/L	Grab	1/discharge event	³
	lbs/day	Calculated ⁴	1/discharge event	--
Chromium VI	µg/L	Grab	1/discharge event	³
	lbs/day	Calculated ⁴	1/discharge event	--
Copper	µg/L	Grab	1/discharge event	³
	lbs/day	Calculated ⁴	1/discharge event	--
Lead	µg/L	Grab	1/discharge event	³
	lbs/day	Calculated ⁴	1/discharge event	--
Mercury	µg/L	Grab	1/discharge event	³
	lbs/day	Calculated ⁴	1/discharge event	--
Nickel	µg/L	Grab	1/discharge event	³
	lbs/day	Calculated ⁴	1/discharge event	--

Parameter	Units	Sample Type	Minimum Sampling Frequency ^{1,2}	Required Analytical Test Method
Selenium	µg/L	Grab	1/discharge event	3
	lbs/day	Calculated ⁴	1/discharge event	--
Silver	µg/L	Grab	1/discharge event	3
	lbs/day	Calculated ⁴	1/discharge event	--
Zinc	µg/L	Grab	1/discharge event	3
	lbs/day	Calculated ⁴	1/discharge event	--
Cyanide	µg/L	Grab	1/discharge event	3
	lbs/day	Calculated ⁴	1/discharge event	--
Benzene	µg/L	Grab	1/discharge event	3
	lbs/day	Calculated ⁴	1/discharge event	--
Carbon Tetrachloride	µg/L	Grab	1/discharge event	3
	lbs/day	Calculated ⁴	1/discharge event	--
Chloroform	µg/L	Grab	1/discharge event	3
	lbs/day	Calculated ⁴	1/discharge event	--
1,1-dichloroethane	µg/L	Grab	1/discharge event	3
	lbs/day	Calculated ⁴	1/discharge event	--
1,2-dichloroethane	µg/L	Grab	1/discharge event	3
	lbs/day	Calculated ⁴	1/discharge event	--
1,1-dichloroethene	µg/L	Grab	1/discharge event	3
	lbs/day	Calculated ⁴	1/discharge event	--
Ethylbenzene	µg/L	Grab	1/discharge event	3
	lbs/day	Calculated ⁴	1/discharge event	--
Methylene Chloride	µg/L	Grab	1/discharge event	3
	lbs/day	Calculated ⁴	1/discharge event	--
Tetracloroethylene	µg/L	Grab	1/discharge event	3
	lbs/day	Calculated ⁴	1/discharge event	--
Toluene	µg/L	Grab	1/discharge event	3
	lbs/day	Calculated ⁴	1/discharge event	--
Xylenes	µg/L	Grab	1/discharge event	3
	lbs/day	Calculated ⁴	1/discharge event	--
Trichloroethylene	µg/L	Grab	1/discharge event	3
	lbs/day	Calculated ⁴	1/discharge event	--
Vinyl Chloride	µg/L	Grab	1/discharge event	3
	lbs/day	Calculated ⁴	1/discharge event	--
Phenol	mg/L	Grab	1/discharge event	3
	lbs/day	Calculated ⁴	1/discharge event	--
1,2-dichlorobenzene	µg/L	Grab	1/discharge event	3
	lbs/day	Calculated ⁴	1/discharge event	--
1,4-dichlorobenzene	µg/L	Grab	1/discharge event	3
	lbs/day	Calculated ⁴	1/discharge event	--
Remaining Priority Pollutants ⁵	µg/L	Grab	1/discharge event	3
Acute Toxicity	% survival	Grab	1/discharge event	3
Alpha Gross Particle Activity	pCi/L	Grab	1/discharge event	3

Parameter	Units	Sample Type	Minimum Sampling Frequency ^{1,2}	Required Analytical Test Method
Beta Gross Particle Activity	pCi/L	Grab	1/discharge event	3
Ammonia	µg/L	Grab	1/discharge event	3
	lbs/day	Calculated ⁴	1/discharge event	--
Chemical Oxygen Demand	mg/L	Grab	1/discharge event	3
	lbs/day	Calculated ⁴	1/discharge event	--
Chlorine, Total Residual	mg/L	Grab	1/discharge event	3
	lbs/day	Calculated ⁴	1/discharge event	--
Tertiary Butyl Alcohol (TBA)	µg/L	Grab	1/discharge event	3
	lbs/day	Calculated ⁴	1/discharge event	--
Methyl Tertiary Butyl ether (MTBE)	µg/L	Grab	1/discharge event	3
	lbs/day	Calculated ⁴	1/discharge event	--
Total Petroleum Hydrocarbons (TPH)	µg/L	Grab	1/discharge event	3
	lbs/day	Calculated ⁴	1/discharge event	--
Phenolic Compounds ⁶	mg/L	Grab	1/discharge event	--
	lbs/day	Calculated ⁴	1/discharge event	--
Total Radium (226 and 228)	pCi/L	Grab	1/discharge event	3
Radium-226	pCi/L	Grab	1/discharge event	3
Settleable Solids	ml/L	Grab	1/discharge event	3
Sulfide, Total	mg/L	Grab	1/discharge event	3
	lbs/day	Calculated ⁴	1/discharge event	--
Sulfate	mg/L	Grab	1/discharge event	3
	lbs/day	Calculated ⁴	1/discharge event	--
Temperature	°F	Grab	1/discharge event	3
Turbidity	NTU	Grab	1/discharge event	3
Total Coliform	MPN/ml	Grab	1/discharge event	3

¹ During periods of extended discharge, no more than one sample per month need to be taken. Sampling shall be performed during the first hour of discharge. If, for safety reasons, a sample cannot be obtained during the first hour of discharge, a sample shall be obtained at the first safe opportunity, and the reason for the delay shall be included in the report.

² For all pollutants (except acute toxicity), if no discharge occurs from the NPDES discharge point during a calendar year, the Discharger shall provide the results of a representative sample from the Los Angeles Refinery in order for a RPA to be conducted. The sampling results from this sample will not be required to meet the NPDES effluent limitations as there is no actual discharge from the Facility.

³ Pollutants shall be analyzed using the analytical methods described in 40 CFR Part 136; for priority pollutants the methods must meet the lowest minimum levels (MLs) specified in Attachment 4 of the SIP, where no methods are specified for a given pollutant, by methods approved by this Regional Water Board or the State Water Board.

⁴ The mass emission (in lbs/day) for the discharge shall be calculated and reported using the reported concentration and the actual flow rate measured at the time of the discharge, using the formula:

$$\text{lbs/day} = 8.34 \times C \times Q$$

where:

C = actual measured concentration for a pollutant, in mg/L

Q = actual discharge flow rate in MGD

In accordance with Section VII.C of this Order, in calculating mass emission rates from the monthly average concentrations, use one half of the method detection limit for "Not Detected" (ND) and the estimated concentration for "Detected, but Not Quantified" (DNQ) for the calculation of the monthly average concentration. If all pollutants belonging to the same group are reported as ND or DNQ, the sum of the individual pollutant concentrations should be considered as zero for the calculation of the monthly average concentration.

- ⁵ Priority Pollutants as defined by the California Toxics Rule (CTR) defined in Finding II.I of the Limitations and Discharge Requirements of this Order, and included as Attachment H.

For the first 3 years of the permit term (Interim monitoring period, until January 19, 2009), monitoring is required once per discharge (but no more than two samples per calendar year are required).

For the remainder of the permit term, monitoring is required once per discharge (but no more than one sample per calendar year is required). All samples shall be collected during the months of October – March.

- ⁶ Phenolic compounds include the sum of the following individual chlorinated and non-chlorinated phenolic compounds: 2-chlorophenol; 2-nitrophenol; phenol; 2,4-dimethylphenol; 2,4-dichlorophenol; 2,4,6-trichlorophenol; 4-chloro-3-methylphenol; 2,4-dinitrophenol; 2-methyl-4,6-dinitrophenol; pentachlorophenol; and 4-nitrophenol.

V. WHOLE EFFLUENT TOXICITY TESTING REQUIREMENTS

A. Definition of Toxicity

1. Acute Toxicity.

Acute toxicity is a measure of primarily lethal effects that occur over a 96-hour period. Acute toxicity shall be measured in percent survival measured in undiluted (100%) effluent.

- (a) The average survival in the undiluted effluent for any three (3) consecutive 96-hour static or continuous flow bioassay tests shall be at least 90%, and
- (b) No single test shall produce less than 70% survival.

B. Acute Toxicity Effluent Monitoring Program

1. The Discharger shall conduct acute toxicity tests on effluent grab samples by methods specified in 40 CFR Part 136 which cites USEPA's *Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms*, Fifth Edition, October 2002, USEPA, Office of Water, Washington D.C. (EPA/821-R-02-012) or a more recent edition to ensure compliance in 100 % effluent.
2. The fathead minnow, *Pimephales promelas*, shall be used as the test species for fresh water discharges and the topsmelt, *Atherinops affinis*, shall be used as the test species for brackish effluent. The method for topsmelt is found in USEPA's *Short-term Method for Estimating the Chronic Toxicity of Effluents and Receiving Waters to West Coast Marine and Estuarine Organisms*, First Edition, August 1995 (EPA/600/R-95/136), or a more recent edition.
3. In lieu of conducting the standard acute toxicity testing with the fathead minnow, the Discharger may elect to report the results or endpoint from the first 48 hours of the chronic toxicity test as the results of the acute toxicity test.

4. Effluent samples shall be collected after all treatment processes and before discharge to the receiving water.

C. Quality Assurance

1. Concurrent testing with a reference toxicant shall be conducted. Reference toxicant tests shall be conducted using the same test conditions as the effluent toxicity tests (e.g., same test duration, etc).
2. If either the reference toxicant test or effluent test does not meet all test acceptability criteria (TAC) as specified in the test methods manuals (EPA/600/4-91/002 and EPA/821-R-02-014), then the Discharger must re-sample and re-test at the earliest time possible.
3. Control and dilution water should be receiving water or laboratory water, as appropriate, as described in the manual. If the dilution water used is different from the culture water, a second control using culture water shall be used.

D. Accelerated Monitoring and Initial Investigation TRE Trigger

1. Special Provision VI.C.2.b of the Order requires the Discharger to develop and submit for approval an Initial Investigation TRE Workplan.
2. If the results of a toxicity test exceeds the acute toxicity effluent limitations (as defined below):

Acute Toxicity:

- (a) The average survival in the undiluted effluent for any three (3) consecutive 96-hour static or continuous flow bioassay tests shall be at least 90%, and
- (b) No single test shall produce less than 70% survival.

then, the Discharger shall begin the investigation and evaluation as specified in the Dischargers's Initial Investigation TRE Workplan and begin accelerated monitoring by conducting six additional tests, approximately every 2 weeks, over a 12-week period. The samples shall be collected and the tests initiated no less than 7 days apart. The Discharger shall ensure that they receive results of a failing acute toxicity test within 24 hours of the close of the test and the additional tests shall begin within 3 business days of the receipt of the result.

3. If implementation of the Initial Investigation TRE Workplan indicates the source of toxicity (e.g., a temporary plant upset, etc.), then the Discharger may discontinue the Initial Investigation Toxicity Reduction Evaluation and resume routine testing frequency.
4. The first step in the Initial Investigation TRE Workplan for downstream receiving water toxicity can be a toxicity test protocol designed to determine if the effluent from Discharge Point 001 causes or contributes to the measured downstream acute toxicity. If this first step in the Initial Investigation TRE Workplan shows that the Discharge Point 001 effluent does not cause or contribute to downstream acute toxicity, using USEPA's *Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms*, Fifth Edition, October 2002, USEPA, Office of Water, Washington D.C. (EPA/821-R-02-012),

then a report on this testing shall be submitted to the Regional Water Board and the Initial Investigation TRE will be considered to be completed. Routine testing in accordance with the MRP shall be continued thereafter.

E. TRE/TIE Trigger

1. If the accelerated testing shows consistent toxicity as defined below:
 - a. Acute Toxicity:
 - 1) If the results of any two of the six accelerated tests are less than 90% survival, or
 - 2) If the initial test and any of the additional six acute toxicity bioassay tests result in less than 70% survival

then, the Discharger shall immediately implement the Toxicity Reduction Evaluation (TRE) as described below.

F. Steps in TRE and TIE Procedures

1. Following a TRE trigger, the Discharger shall initiate a TRE in accordance with the facility's Initial Investigation TRE workplan. At a minimum, the Discharger shall use USEPA manuals EPA/600/2-88/070 (industrial) or EPA/833B-99/002 (municipal) as guidance. The Discharger shall expeditiously develop a more detailed TRE workplan for submittal to the Executive Officer within 30 days of the trigger, which will include, but not be limited to:
 - a. Further actions to investigate and identify the cause of toxicity;
 - b. Actions the Discharger will take to mitigate the impact of the discharge and prevent the recurrence of toxicity;
 - c. Standards the Discharger will apply to consider the TRE complete and to return to normal sampling frequency; and,
 - d. A schedule for these actions.
2. The following is a stepwise approach in conducting the TRE:
 - a. Step 1 - Basic data collection. Data collected for the accelerated monitoring requirements may be used to conduct the TRE;
 - b. Step 2 - Evaluates optimization of the treatment system operation, facility housekeeping, and the selection and use of in-plant process chemicals;
 - c. Step 3 – If Steps 1 and 2 are unsuccessful, Step 3 implements a TIE by employing all reasonable efforts and using currently available TIE methodologies. The Discharger shall use the USEPA acute and chronic manuals, EPA/600/6-91/005F (Phase I) EPA/600/R-96-054 (for marine), EPA/600/R-92/080 (Phase II), and EPA-600/R-92/081 (Phase III) as guidance. The objective of the TIE is to identify the substance or combination of substances causing the observed toxicity;

- d. Step 4 – Assuming successful identification or characterization of the toxicant(s), Step 4 evaluates final effluent treatment options;
- e. Step 5 evaluates in-plant treatment options; and,
- f. Step 6 consists of confirmation once a toxicity control method has been implemented.

Many recommended TRE elements parallel source control, pollution prevention, and storm water control program best management practices (BMPs). To prevent duplication of efforts, evidence of implementation of these control measures may be sufficient to comply with TRE requirements. By requiring the first steps of a TRE to be accelerated testing and review of the facility's TRE workplan, a TRE may be ended in its early stages. All reasonable steps shall be taken to reduce toxicity to the required level. The TRE may be ended at any stage if monitoring indicates there is no longer toxicity (or six consecutive acute toxicity test results are greater than 90% survival).

3. If a TRE/TIE is initiated prior to completion of the accelerated testing schedule required by this permit, then the accelerated testing schedule may be terminated, or used as necessary in performing the TRE/TIE, as determined by the Executive Officer.
4. Toxicity tests conducted as part of a TRE/TIE may also be used for compliance determination, if appropriate.
5. Regional Water Board recognizes that toxicity may be episodic and identification of causes of and reduction of sources of toxicity may not be successful in all cases. Consideration of enforcement action by the Regional Water Board will be based in part on the Discharger's actions and efforts to identify and control or reduce sources of consistent toxicity.

G. Reporting

1. The Discharger shall submit a full report of the toxicity test results, including any accelerated testing conducted during the month as required by this permit. Test results shall be reported as % survival for acute toxicity test results with the self monitoring reports (SMR) for the month in which the test is conducted.
2. If an initial investigation indicates the source of toxicity and accelerated testing is unnecessary, then those results also shall be submitted with the SMR for the period in which the investigation occurred.
 - a. The full report shall be submitted on or before the end of the month in which the SMR is submitted.
 - b. The full report shall consist of (1) the results; (2) the dates of sample collection and initiation of toxicity test; (3) the acute toxicity average limit.
3. Test results for toxicity tests also shall be reported according to the appropriate manual chapter on Report Preparation and shall be attached to the SMR. Routine reporting shall include, at a minimum, as applicable, for each test:
 - a. Sample date(s);
 - b. Test initiation date;
 - c. Test species;

- d. End point values for each dilution (e.g., number of young, growth rate, percent survival);
 - e. NOEC value(s) in percent effluent;
 - f. IC₁₅, IC₂₅, IC₄₀ and IC₅₀ values in percent effluent;
 - g. Mean percent mortality (+standard deviation) after 96 hours in 100% effluent (if applicable);
 - i. NOEC and LOEC values for reference toxicant test(s);
 - j. C25 value for reference toxicant test(s);
 - k. Any applicable charts; and
 - l. Available water quality measurements for each test (e.g., pH, D.O., temperature, conductivity, hardness, salinity, ammonia).
4. The Discharger shall provide a compliance summary, which includes a summary Table of toxicity data from all samples collected during that year.

The Discharger shall notify by telephone or electronically, this Regional Water Board of any toxicity exceedance of the limit or trigger within 24 hours of receipt of the results followed by a written report within 14 calendar days of receipt of the results. The verbal or electronic notification shall include the exceedance and the plan the Discharger has taken or will take to investigate and correct the cause(s) of toxicity. It may also include a status report on any actions required by the permit, with a schedule for actions not yet completed. If no actions have been taken, the reasons shall be given.

VI. LAND DISCHARGE MONITORING REQUIREMENTS
[Not Applicable]

VII. RECLAMATION MONITORING REQUIREMENTS
[Not Applicable]

VIII. RECEIVING WATER MONITORING REQUIREMENTS – SURFACE WATER

A. Monitoring Location R-001

Receiving water sampling shall be conducted at the same time as the effluent monitoring. The Discharger shall monitor the Dominguez Channel at R-001 annually for all priority pollutants (Attachment H), pH, and salinity.

B. Visual Monitoring of Upstream and Downstream Receiving Water Sampling Points

1. A visual observation station shall be established in the vicinity of the discharge point of the storm drain to the receiving water (Dominguez Channel).
2. General observations of the receiving water shall be made at each discharge point when discharges occur. During months of no discharge, the receiving water observations shall be made on a monthly basis. All receiving water observations shall be reported in the quarterly monitoring report. If no discharge occurred during the observation period, this shall be reported. Observations shall be descriptive where applicable, such that colors, approximate amounts, or types of materials are apparent. The following observations shall be made:
 - a. Tidal stage, time, and date of monitoring
 - b. Weather conditions
 - c. Color of water

- d. Appearance of oil films or grease, or floatable materials
- e. Extent of visible turbidity or color patches
- f. Direction of tidal flow
- g. Description of odor, if any, of the receiving water
- h. Presence and activity of California Least Tern and California Brown Pelican.

IX. OTHER MONITORING REQUIREMENTS

A. Storm Water Monitoring

1. **Rainfall Monitoring.** The Discharger shall measure and record the rainfall on each day of the month. This information shall be included in the monitoring report for that month.
2. **Visual Observation.** The Discharger shall make visual observations of all storm water discharge locations on at least one storm event per quarter that produces a significant storm water discharge to observe the presence of floating and suspended materials, oil and grease, discoloration, turbidity, and odor. A “significant storm water discharge” is a continuous discharge of storm water for a minimum of one hour, or the intermittent discharge of storm water for a minimum of three hours in a 12-hour period.

X. REPORTING REQUIREMENTS

A. General Monitoring and Reporting Requirements

1. The Discharger shall comply with all Standard Provisions (Attachment D) related to monitoring, reporting, and recordkeeping.
2. If there is no discharge during any reporting period, the report shall so state.
3. Each monitoring report shall contain a separate section titled “Summary of Non-Compliance” which discusses the compliance record and corrective actions taken or planned that may be needed to bring the discharge into full compliance with waste discharge requirements. This section shall clearly list all non-compliance with waste discharge requirements, as well as all excursions of effluent limitations.
4. The Discharger shall inform the Regional Water Board well in advance of any proposed construction activity that could potentially affect compliance with applicable requirements

B. Self Monitoring Reports (SMRs)

1. At any time during the term of this permit, the State or Regional Water Board may notify the Discharger to electronically submit self-monitoring reports. Until such notification is given, the Discharger shall submit self-monitoring reports in accordance with the requirements described below.
2. The Discharger shall submit quarterly and annual Self Monitoring Reports including the results of all required monitoring using USEPA-approved test methods or other test methods specified in this Order. Quarterly reports shall be due on May 1, August 1, November 1, and February 1 following each calendar quarter; Annual reports shall be due on February 1 following each calendar year. If no discharge occurs during the reporting period, the report shall so state.

3. Monitoring periods and reporting for all required monitoring shall be completed according to the following schedule:

Sampling Frequency	Monitoring Period Begins On...	Monitoring Period	SMR Due Date
1 / year	January 1 following (or on) permit effective date	January 1 through December 31	February 1
1 / Discharge Event	First discharge event after the effective date of this Order	January 1 through March 31 April 1 through June 30 July 1 through September 30 October 1 through December 31	May 1 August 1 November 1 February 1

4. The Discharger shall report with each sample result the applicable Minimum Level (ML) and the current Method Detection Limit (MDL), as determined by the procedure in 40 CFR Part 136.
5. The Discharger shall arrange all reported data in a tabular format. The data shall be summarized to clearly illustrate whether the Facility is operating in compliance with interim and/or final effluent limitations. Where applicable, the Discharger shall include results of receiving water observations.
6. Each monitoring report shall state whether or not there was any change in the discharge as described in the Order during the reporting period.
7. The Discharger shall attach a cover letter to the SMR. The information contained in the cover letter shall clearly identify violations of the WDRs; discuss corrective actions taken or planned; and the proposed time schedule for corrective actions. Identified violations must include a description of the requirement that was violated and a description of the violation.
8. SMRs must be submitted to the Regional Water Board, signed and certified as required by the standard provisions (Attachment D), to the address listed below:

California Regional Water Quality Control Board
 Los Angeles Region
 320 W. 4th Street, Suite 200
 Los Angeles, CA 90013

**C. Discharge Monitoring Reports
 [Not Applicable]**

**D. Other Reports
 [Not Applicable]**

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ATTACHMENT F – FACT SHEET

As described in Section II of this Order, this Fact Sheet includes the legal requirements and technical rationale that serve as the basis for the requirements of this Order.

I. PERMIT INFORMATION

The following Table summarizes administrative information related to the facility.

**Table F-1
 Facility Information**

WDID	4B102121002
Discharger	Equilon Enterprises LLC dba Shell Oil Products US
Name of Facility	Sulfur Recovery Plant
Facility Address	23208 South Alameda Street
	Carson, California 90745
	Los Angeles County
Facility Contact, Title and Phone	Brenda Peterson, General Manager, (310) 522-6000
Authorized Person to Sign and Submit Reports	Same as Facility Contact
Mailing Address	P.O. Box 817, Wilmington, California 90748
Billing Address	Same as Mailing Address
Type of Facility	Sulfur Recovery, Industrial Inorganic Chemical – 2819
Major or Minor Facility	Minor
Threat to Water Quality	2
Complexity	C
Pretreatment Program	N/A
Reclamation Requirements	N/A
Facility Permitted Flow	0.65 MGD
Facility Design Flow	0.65 MGD
Watershed	Dominguez Channel
Receiving Water	Dominguez Channel
Receiving Water Type	Inland Surface Water

- A.** Equilon Enterprises LLC dba Shell Oil Products US (hereinafter Equilon or Discharger) is the owner and operator of a Sulfur Recovery Plant (Facility) located at 23208 South Alameda Street, Carson, California.
- B.** The Facility discharges wastewater to the Dominguez Channel within the Estuary, a water of the United States and is currently regulated by Order No. 00-133 which was adopted on July 27, 2000, and expired June 10, 2005.
- C.** The Discharger filed a Report of Waste Discharge (ROWD) and submitted an application for renewal of its Waste Discharge Requirements (WDRs) and a National Pollutant Discharge Elimination System (NPDES) permit on December 8, 2004. Supplemental information was submitted on May 18, 2005. A site visit was conducted on October 27, 2004, to observe operations and collect additional data to develop permit limitations and conditions.

II. FACILITY DESCRIPTION

Equilon recovers sulfur from refinery processes streams via pipeline from the Los Angeles Refinery (Refinery) located at 2101 East Pacific Coast Highway, Wilmington, California. The Refinery processes approximately 100,000 barrels per day of crude oil. The crude oil is converted into a full range of petroleum products, including various grades of automotive gasoline and aviation gasoline, jet fuels, diesel fuels, bunker fuels and petroleum coke. The Facility converts the hydrogen sulfide that is removed from the Refinery produced gas streams into elemental sulfur using diethanolamine.

A. Description of Wastewater and Treatment

The combined process wastewater and commingled storm water is treated at the Facility using a combination skimming and settling basin, and a secondary settling basin and then pumped to the Los Angeles Refinery for further treatment prior to discharge to the Los Angeles County Sanitation District. The secondary settling basin is monitored visually and sampled periodically.

If sulfides are detected, the water from the secondary settling basin is treated with bleach prior to pumping to the Refinery treatment system. If other contaminants are detected, the water from the secondary settling basin is routed to a holding tank from which it is pumped to the Refinery or drained back to the secondary settling basin at a controlled rate prior to pumping to the Refinery. The holding tank at the Facility can also be used for additional storm water storage. There are three pumps for transferring effluent water from the main settling basin to the Refinery. All three pumps are operated automatically and are designed to automatically shut down at 6 feet above the bottom of the sump, so that the basin is never completely emptied. The Facility maintains a 7,506-barrel holding tank for severely contaminated effluent to prevent discharge prior to treatment or disposal.

During significant storm events when the Facility's treatment system is hydraulically overloaded, the combined wastewater and commingled storm water are discharged to surface water after primary treatment using the combination skimming and settling basin, then a secondary settling basin at the Facility. The effluent is discharged through Discharge Point 001 (see Table on cover page) to the Dominguez Channel, a water of the United States within the Estuary.

There have not been any discharges from Discharge Point 001 during the term of the existing permit.

B. Discharge Points and Receiving Waters

Treated storm water and wastewater from the Facility is discharged through Discharge Point No. 001 (Latitude: 33° 48' 49" North, Longitude: 118° 13' 44" West), to the Dominguez Channel, a water of the United States, at a point near Alameda Street, within the Estuary.

C. Summary of Existing Requirements and Self-Monitoring Report (SMR) Data

No discharges occurred through Discharge Point 001 during the term of the existing permit. Existing permit requirements and reported spill data have been summarized in Section II.D. of this Fact Sheet.

D. Compliance Summary

The Facility experienced three spills during the existing permit term. The first spill occurred on June 25, 2001. Approximately 500 gallons of sulfur spilled from the loading rack area of the facility. The liquid flowed into a portion of the treatment system, but overflowed from a full effluent tank and entered the Dominguez Channel via overland flow prior to full treatment. A sample from the effluent tank was taken after the spill occurred, but is not considered to be representative of the spilled liquid as the tank was previously filled with process wastewater prior to the spill. The second spill incident occurred November 16, 2002. Approximately 75 gallons of cooling tower water and condensate leaked from a cooling tower at the Facility. A sample was taken to characterize the discharge. The third spill occurred December 5, 2002. The Facility reported that approximately 10 gallons of rich amine liquid was released to the Dominguez Channel. No sample was taken. All three spills were reported to the Regional Water Board. The spills were not considered authorized discharges subject to effluent limitations established in the existing Order. These spills are being evaluated for proper enforcement actions.

The following Table summarizes the sample data (detections only) from the spills and established effluent limitations for comparison purposes only:

Table F-2
Summary of Effluent Limitations Order No. 00-133 and Reported Spill Data

Parameter	Units	Effluent Limitation	Reported Spill Data	
		Maximum Daily	June 25, 2001	November 16, 2002
Oil and Grease	mg/L	15	4.2	--
pH	s.u.	6.5 - 8.5	8.8	--
Total Suspended Solids	mg/L	75	14	1180
Arsenic	µg/L	50	32.8	--
Cadmium	µg/L	10	--	--
Chromium, Total	µg/L	50	2.3	--
Copper	µg/L	4.8	5.3	--
Lead	µg/L	50	3.9	--
Mercury	µg/L	2	--	--
Nickel	µg/L	74	5	--
Residual Chlorine	µg/L	100	--	--
Selenium	µg/L	10	2.3	--
Silver	µg/L	1.9	--	--
Zinc	µg/L	90	106	--
Cyanide	µg/L	200	--	--
Benzene	µg/L	71	3.4	--
Carbon Tetrachloride	µg/L	0.5	--	--
Chloroform	µg/L	100	--	--
1,1-dichloroethane	µg/L	5	--	--
1,1-dichloroethene	µg/L	6	--	--
1,2-dichloroethane	µg/L	0.5	--	--
Ethylbenzene	µg/L	680	--	--

Parameter	Units	Effluent Limitation	Reported Spill Data	
		Maximum Daily	June 25, 2001	November 16, 2002
Methylene Chloride	µg/L	5	--	--
Tetrachloroethylene	µg/L	5	--	--
Toluene	µg/L	10	--	--
Trichloroethylene	µg/L	5	--	--
Vinyl Chloride	µg/L	0.5	--	--
Phenol	mg/L	1.0	--	0.14
1,2-dichlorobenzene	µg/L	600	--	--
1,4-dichlorobenzene	µg/L	5	--	--
Acute Toxicity	% survival	¹	60	--
Ammonia	µg/L	--	1.25	--
Radioactivity, Gross Alpha	pCi/L	--	1.33	--
Radioactivity, Gross Beta	pCi/L	--	63.5	--
Settleable Solids	ml/L	0.3	--	0.15
Temperature	° F	100	97	--
Turbidity	NTU	75	7.85	--
Xylenes	µg/L	10	--	--

¹ The acute toxicity of the effluent shall be such that the average survival in undiluted effluent for any three (3) consecutive 96-hour static or continuous flow bioassay tests shall be at least 90 percent, with no single test producing less than 70 percent.

The Discharger is required to submit quarterly monitoring reports to the Regional Water Board as specified in MRP No. 1511. Quarterly monitoring reports are due on the 15th of the month following the end of the quarter. Several quarterly monitoring reports (2Q 2001, 1Q 2002, 2Q 2002, 2Q 2003) were submitted late to the Regional Water Board.

**E. Planned Changes
 [Not Applicable]**

III. APPLICABLE PLANS, POLICIES, AND REGULATIONS

The requirements contained in the tentative Order are based on the requirements and authorities described in this section.

A. Legal Authorities

This Order is issued pursuant to section 402 of the Federal CWA and implementing regulations adopted by the USEPA and Chapter 5.5, Division 7 of the CWC. It shall serve as a NPDES permit for point source discharges from this facility to surface waters. This Order also serves as Waste Discharge Requirements (WDRs) pursuant to Article 4, Chapter 4 of the CWC for discharges that are not subject to regulation under CWA section 402.

B. California Environmental Quality Act (CEQA)

This action to adopt an NPDES permit is exempt from the provisions of the California Environmental Quality Act (Public Resources Code Section 21100, et seq.) in accordance with Section 13389 of the CWC.

C. State and Federal Regulations, Policies, and Plans

1. Water Quality Control Plans. The Regional Water Board adopted a Water Quality Control Plan for the Los Angeles River (hereinafter Basin Plan) on June 13, 1994, which was amended on January 27, 1997, by Regional Water Board Resolution No. 97-02 that designates beneficial uses, establishes water quality objectives, and contains implementation programs and policies to achieve those objectives for all waters addressed through the plan. In addition, State Water Resources Control Board (State Water Board) Resolution No. 88-63 requires that, with certain exceptions, the Regional Water Board assign the municipal and domestic supply use to water bodies that do not have beneficial uses listed in the Basin Plan. Beneficial uses applicable to Dominguez Channel are as follows:

**Table F-4
 Discharge Points, Receiving Waters, and Beneficial Uses**

Discharge Point	Receiving Water Name	Beneficial Use(s)
001	Dominguez Channel (within the Estuary)	<u>Existing:</u> Preservation of rare, threatened or endangered species (RARE), contact (REC-1), non-contact (REC-2) water recreation, commercial and sport fishing (COMM), estuarine habitat (EST), marine habitat (MAR), wildlife habitat (WILD), migration of aquatic organisms (MIG), spawning, reproduction, and/or early development (SPAWN). <u>Potential:</u> Navigation (NAV)

2. **Ammonia Basin Plan Amendment.** The 1994 Basin Plan provided water quality objectives for ammonia to protect aquatic life, in Table 3-1 through Table 3-4. However, those ammonia objectives were revised on March 4, 2004, by the Regional Water Board with the adoption of Resolution No. 2004-022, Amendment to the Water Quality Plan for the Los Angeles Region to Update the Ammonia Objectives for Inland Surface Waters Not Characteristic of Freshwater (including enclosed bays, estuaries and wetlands) with the Beneficial Use designations for protection of "Aquatic Life". The ammonia Basin Plan amendment has not yet been approved by the Office of Administrative Law or the USEPA. The revised criteria are not available for use until the aforementioned approvals have been obtained.
3. **Thermal Plan.** The State Water Board adopted a *Water Quality Control Plan for Control of Temperature in the Coastal and Interstate Water and Enclosed Bays and Estuaries of California* (Thermal Plan) on May 18, 1972, and amended this plan on September 18, 1975. This plan contains temperature objectives for inland surface waters.
4. **National Toxics Rule (NTR) and California Toxics Rule (CTR).** USEPA adopted the NTR on December 22, 1992, which was amended on May 4, 1995, and November 9,

1999, and the CTR on May 18, 2000, which was amended on February 13, 2001. These rules include water quality criteria for priority pollutants and are applicable to this discharge.

5. **State Implementation Policy.** On March 2, 2000, State Water Board adopted the *Policy for Implementation of Toxics Standards for Inland Surface Waters, Enclosed Bays, and Estuaries of California* (State Implementation Policy or SIP). The SIP became effective on April 28, 2000, with respect to the priority pollutant criteria promulgated for California by the USEPA through the NTR and to the priority pollutant objectives established by the Regional Water Boards in their basin plans, with the exception of the provision on alternate test procedures for individual discharges that have been approved by USEPA Regional Administrator. The alternate test procedures provision was effective on May 22, 2000. The SIP became effective on May 18, 2000. The SIP includes procedures for determining the need for and calculating WQBELs, and requires Dischargers to submit data sufficient to do so. The State Water Board adopted amendments to the SIP on February 24, 2005, was approved by the Office of Administrative Law (OAL) on May 31, 2005, and the USEPA approved it on July 13, 2005. The CTR' s Compliance Schedule provisions sunseted on May 17, 2005. After this date, the provisions of the SIP allow for Compliance Schedules not to exceed five years from permit issuance or May 17, 2010, whichever is sooner.
6. **Antidegradation Policy.** Section 131.12 of 40 CFR requires that State water quality standards include an antidegradation policy consistent with the federal policy. The State Water Board established California's antidegradation policy in State Water Board Resolution No. 68-16, which incorporates the requirements of the federal antidegradation policy. Resolution No. 68-16 requires that existing water quality is maintained unless degradation is justified based on specific findings. As discussed in detail in this Fact Sheet, the permitted discharge is consistent with the antidegradation provision of 40 CFR § 131.12 and State Water Board Resolution No. 68-16.
7. **Anti-Backsliding Requirements.** Sections 402(o)(2) and 303(d)(4) of the CWA and 40 CFR § 122.44(l) prohibit backsliding in NPDES permits. These anti-backsliding provisions require that effluent limitations in a reissued permit must be as stringent as those in the existing permit, with some exceptions in which limitations may be relaxed. All effluent limitations in the tentative Order are at least as stringent as the effluent limitations in the existing Order.
8. **Monitoring and Reporting Requirements.** Section 122.48 of 40 CFR requires that all NPDES permits specify requirements for recording and reporting monitoring results. Sections 13267 and 13383 of the CWC authorize the Regional Water Boards to require technical and monitoring reports. The MRP establishes monitoring and reporting requirements to implement federal and State requirements. This MRP is provided in Attachment E.
9. **Alaska Rule.** On March 30, 2000, USEPA revised its regulation that specifies when new and revised State and Tribal water quality standards (WQS) become effective for CWA purposes (40 CFR § 131.21, 65 FR 24641, April 27, 2000). Under USEPA' s new regulation (also known as the Alaska rule), new and revised standards submitted to USEPA after May 30, 2000, must be approved before being used for CWA purposes. The final rule also provides that standards already in effect and submitted to USEPA by May 30, 2000, may be used for CWA purposes, whether or not approved by USEPA.

D. Impaired Water Bodies on CWA 303(d) List

Section 303(d) of the CWA requires states to identify specific water bodies where water quality standards are not expected to be met after implementation of technology-based effluent limitations on point sources. For all 303(d)-listed water bodies and pollutants, the Regional Water Board plans to develop and adopt Total Maximum Daily Loads (TMDLs) that will specify Waste Load Allocations (WLAs) for point sources and load allocations (LAs) for non-point sources, as appropriate.

The USEPA approved the State's 2002 303(d) list of impaired water bodies on July 25, 2003. Certain receiving waters in the Los Angeles and Ventura County watersheds do not fully support beneficial uses and therefore have been classified as impaired on the 2002 303(d) list and have been scheduled for TMDL development.

According to the 2002 303(d) list, the Dominguez Channel within the Estuary is impaired for Aldrin (fish tissue), ammonia, benthic community effects, ChemA (fish tissue), chromium (sediment), chlordane (fish tissue), DDT (tissue and sediment), dieldrin (fish tissue), coliform, lead (fish tissue), polyaromatic hydrocarbons (PAHs) (sediment), and zinc (sediment). To date, no TMDL has been approved by USEPA for this segment of water. Therefore, no conditions in the tentative Order are based on TMDLs.

E. Other Plans, Polices and Regulations [Not Applicable]

IV. RATIONALE FOR EFFLUENT LIMITATIONS AND DISCHARGE SPECIFICATIONS

The CWA requires point source discharges to control the amount of conventional, non-conventional, and toxic pollutants that are discharged into the waters of the United States. The control of pollutants discharged is established through effluent limitations and other requirements in NPDES permits. There are two principal bases for effluent limitations: 40 CFR § 122.44(a) requires that permits include applicable technology-based limitations and standards; and 40 CFR § 122.44(d) requires that permits include WQBELs to attain and maintain applicable numeric and narrative water quality criteria to protect the beneficial uses of the receiving water. Where numeric water quality objectives have not been established, three options exist to protect water quality: 1) 40 CFR § 122.44(d) specifies that WQBELs may be established using USEPA criteria guidance under CWA section 304(a); 2) proposed State criteria or a State policy interpreting narrative criteria supplemented with other relevant information may be used; or 3) an indicator parameter may be established.

The CWA requires that any pollutant that may be discharged by a point source in quantities of concern must be regulated through an NPDES permit. Further, the NPDES regulations require regulation of any pollutant that 1) causes; 2) has the reasonable potential to cause; or 3) contributes to the exceedance of a receiving water quality criteria or objective.

The Discharger operates a sulfur recovery plant for the Los Angeles Refinery. Contributing waste streams consist of non-contact cooling tower and boiler blowdown, storm water runoff, and miscellaneous clean up water (i.e., wash water from unit housekeeping and condensates). Typical pollutants present in these waste streams may include residual chlorine, solids, oil and grease, sulfides, phenol, metals, petroleum hydrocarbons, methyl tertiary butyl ether, tertiary butyl alcohol, and volatile organic compounds. In addition, BOD, total suspended solids, chemical oxygen demand (COD), oil and grease, phenols, total chromium and chromium (IV) are regulated under the Petroleum Refining Point Source Category (40 CFR Part 419, Appendices G, I, and K) effluent

limitation guidelines and standards (ELGs). The Development Document for Effluent Limitations Guidelines and Standards for the Petroleum Refining Point Source Category indicate these pollutants are common in the wastewater discharged from these facilities and because the facility handles refinery wastewater they are considered pollutants of concern.

Effluent limitations for Discharge Point 001 in the existing permit were established for pH, temperature, settleable solids, turbidity, total suspended solids, oil and grease, sulfides, phenol, 1,1-dichloroethane, 1,1-dichloroethene, 1,2-dichlorobenzene, 1,2-dichloroethane, 1,4-dichlorobenzene, benzene, carbon tetrachloride, chloroform, dichloromethane, ethylbenzene, tetrachloroethylene, toluene, trichloroethylene, vinyl chloride, xylenes, arsenic, cadmium, chromium (total), copper, lead, cyanide, mercury, nickel, residual chlorine, selenium, silver, and zinc. In addition, the existing Order establishes an effluent limitation for acute toxicity.

Because to the nature of operations at the Facility, the established ELGs for the Petroleum Refining Point Source Category, and there is no effluent data to conduct reasonable potential analysis, all pollutants currently regulated in the existing permit, COD and chromium (IV) are considered pollutants of concern in the tentative permit.

The discharge of treated process wastewater (i.e., miscellaneous clean up water and cooling tower and boiler blowdown) and stormwater has the potential to affect the pH and temperature of the receiving water body. Effluent limitations for pH and temperature have been established in the tentative Order.

A. Discharge Prohibitions

The discharge prohibitions are based on the requirements of the Basin Plan, State Water Resources Control Board's plans and policies, CWC, and existing permit provisions, and are consistent with the requirements set for other discharges regulated by NPDES permit to the Dominguez Channel.

B. Technology-Based Effluent Limitations

1. Scope and Authority

The CWA requires that technology-based effluent limitations be established based on several levels of controls:

- a. Best practicable treatment control technology (BPT) represents the average of the best performance by plants within an industrial category or subcategory. BPT standards apply to toxic, conventional, and nonconventional pollutants.
- b. Best available technology economically achievable (BAT) represents the best existing performance of treatment technologies that are economically achievable within an industrial point source category. BAT standards apply to toxic and nonconventional pollutants.
- c. Best conventional pollutant control technology (BCT) represents the control from existing industrial point sources of conventional pollutants including BOD, TSS, fecal coliform, pH, and oil and grease. The BCT standard is established after considering the "cost reasonableness" of the relationship between the cost of attaining a reduction in effluent discharge and the benefits that would result, and also the cost effectiveness of additional industrial treatment beyond BPT.

- d. New source performance standards (NSPS) represent the best available demonstrated control technology standards. The intent of NSPS guidelines is to set limitations that represent state-of-the-art treatment technology for new sources.

The CWA requires USEPA to develop effluent limitations, guidelines and standards (ELGs) representing application of BPT, BAT, BCT, and NSPS. Section 402(a)(1) of the CWA and 40 CFR § 125.3 of the NPDES regulations authorize the use of best professional judgment (BPJ) to derive technology-based effluent limitations on a case-by-case basis where ELGs are not available for certain industrial categories and/or pollutants of concern. Where BPJ is used, the permit writer must consider specific factors outlined in 40 CFR § 125.3.

2. Applicable Technology-Based Effluent Limitations

The Facility is a sulfur recovery plant which processes waste streams from the Los Angeles Refinery Company. According to Table III-7 in the *Development Document for Effluent Limitations Guidelines and Standards for the Petroleum Refining Point Source Category* (EPA 440/1-82/014) sulfur recovery is a distinct process that may be utilized for the refining of crude petroleum and its fractionation products; therefore, the discharge from the refinery is subject to Effluent Limitation Guidelines and Standards the Petroleum Refining Point Source Category defined in 40 CFR Part 419. For the discharge of contaminated runoff commingled with refinery wastewater, the BPT effluent limitations for BOD, TSS, COD, oil and grease, phenolic compounds (4AAP), total chromium, and chromium (VI) established in 40 CFR §§ 419.12(e)(2), 419.22(e)(2), 419.32(e)(2), 419.42(e)(2), and 419.52(e)(2) are the same for all categories. Similarly, the BAT limitations for COD, phenols, total chromium, and chromium (VI) established in 40 CFR §§ 419.12(e)(2), 419.22(e)(2), 419.32(e)(2), 419.42(e)(2), and 419.52(e)(2) are the same for all categories. In addition, the BCT limitations for BOD, TSS, and oil and grease established in 40 CFR §§ 419.13(e)(2), 419.23(e)(2), 419.33(e)(2), 419.43(e)(2), and 419.53(e)(2) are the same for all the categories.

The existing Order does not establish effluent limitations based on the requirements contained in 40 CFR Part 419. As mentioned earlier, the discharge through Discharge Point 001 consists of boiler blowdown, cooling tower blowdown, miscellaneous clean up water, and storm water from the sulfur recovery Facility. Therefore, the effluent limitations for contaminated storm water runoff commingled with refinery wastewater pursuant to 40 CFR Part 419 described above are applicable to the discharge. For the discharge through Discharge Point 001, the BPT, BAT and BCT limitations for BOD, TSS, COD, oil and grease, phenols, total chromium, and chromium (VI) are applicable. In the Order, technology-based effluent limitations for these pollutants have been established by taking the most stringent of the BPT, BAT, and BCT limitations.

Based on BPJ, the Regional Water Board has determined that the waste characteristics of contaminated storm water and wastewater from the Refinery that is mixed with the storm water for discharge through Discharge Point 001 are comparable. Therefore, in the Order, the mass-based limitations for BOD, TSS, COD, oil and grease, phenols, total chromium, and chromium (VI) using the BPT, BAT, and BCT limitations are established using the total average flow reported by the Facility in the Report of Waste Discharge.

Example mass-based ELG calculation for BOD₅

For BOD₅, the ELGs establish a daily maximum effluent limitation of 0.4 lbs per 1,000 gallons of commingled storm water and process wastewaters and a 30-day average of 0.22 lbs per 1,000 gallons of commingled storm water and process wastewaters.

The following formula was used to calculate the mass-based limitations for BOD₅:

$$\text{lbs/day} = (\text{Flow}/1,000) \times \text{ELG Effluent Limitation}$$

$$\text{Flow} = 650,000 \text{ gallons}$$

$$\text{ELG Effluent Limitation (Daily Max)} = 0.40 \text{ lbs}/1,000 \text{ gallons}$$

$$\text{ELG Effluent Limitation (30-day Avg.)} = 0.22 \text{ lbs}/1,000 \text{ gallons}$$

Daily Maximum:

$$\text{lbs/day} = (650,000/1,000) \times 0.40 = \mathbf{260 \text{ lbs}}$$

30-day Average:

$$\text{lbs/day} = (650,000/1,000) \times 0.22 = \mathbf{143 \text{ lbs}}$$

Pursuant to 40 CFR § 122.45(f)(2), pollutants limited in terms of mass may be limited in terms of other units of measurement, and the permit shall require the permittee to comply with both limitations. Concentration-based effluent limitations were calculated from the ELG derived mass-based limitations using the following formula:

$$\text{mg/L} = (\text{lbs/day}) / (8.34 \times \text{Flow})$$

$$\text{Flow (mgd)} = 650,000 \text{ gallons (0.65 mgd)}$$

Daily Maximum:

$$\text{mg/L} = (260\text{lbs/day}) / (8.34 \times 0.65) = \mathbf{48 \text{ mg/L}}$$

30-day Average:

$$\text{mg/L} = (143\text{lbs/day}) / (8.34 \times 0.65) = \mathbf{26 \text{ mg/L}}$$

Specific effluent guideline calculations for the remaining ELG-based parameters are contained in Attachment I.

Further, the ELGs require the pH of the commingled runoff be maintained between 6.0 and 9.0 standard units.

The effluent limitations for settleable solids, turbidity, oil and grease, sulfides, phenol, 1,1-dichloroethane, 1,1-dichloroethene, 1,2-dichlorobenzene, 1,2-dichloroethane, 1,4-dichlorobenzene, carbon tetrachloride, chloroform, dichloromethane, ethylbenzene, tetrachloroethylene, toluene, trichloroethylene, vinyl chloride, xylenes, arsenic, cadmium, chromium (total), copper, lead, cyanide, mercury, nickel, residual chlorine, selenium, silver, and zinc included in the existing Order (Order No. 00-113) have been carried over in the

permit. It should be noted that the current effluent limitations for arsenic, cadmium, copper, lead, cyanide, mercury, nickel, and zinc exceed CTR criteria, however, adequate data to establish reasonable potential and develop WQBELs are not available as required by the SIP.

Effluent limitations for all of the pollutants addressed in 40 CFR Part 419, except total chromium and oil and grease, are new or more stringent than the effluent limitations for these pollutants in the existing permit. Therefore, effluent limitations for oil and grease and total chromium in the Order have been carried over from the existing Order and new or more stringent effluent limitations based on the ELGs have been established for BOD, TSS, COD, phenols, and chromium (VI).

The following Table summarizes the most stringent technology-based effluent limitations for Discharge Point 001.

**Table F-5
 Summary of Technology-based Effluent Limitations
 Discharge Point 001**

Parameter	Units ¹	Effluent Limitations			
		Maximum Daily	30-Day Average	Instantaneous Minimum	Instantaneous Maximum
BOD5@20° C	mg/L	48	26	--	--
	lbs/day	260	143	--	--
Oil and Grease	Mg/L	15	--	--	--
	lbs/day	81	--	--	--
PH	s.u.	--	--	6.0	9.0
Total Suspended Solids	mg/L	34	22	--	--
	lbs/day	182	117	--	--
Arsenic	µg/L	50	--	--	--
	lbs/day	0.27	--	--	--
Cadmium	µg/L	10	--	--	--
	lbs/day	0.054	--	--	--
Chromium (Total)	µg/L	50	--	--	--
	lbs/day	0.27	--	--	--
Chromium VI	µg/L	60	30	--	--
	lbs/day	0.34	0.15	--	--
Copper	µg/L	4.8	--	--	--
	lbs/day	0.026	--	--	--
Lead	µg/L	50	--	--	--
	lbs/day	0.27	--	--	--
Mercury	µg/L	2	--	--	--
	lbs/day	0.011	--	--	--
Nickel	µg/L	74	--	--	--
	lbs/day	0.40	--	--	--
Selenium	µg/L	10	--	--	--
	lbs/day	0.054	--	--	--
Silver	µg/L	1.9	--	--	--
	lbs/day	0.010	--	--	--

Parameter	Units ¹	Effluent Limitations			
		Maximum Daily	30-Day Average	Instantaneous Minimum	Instantaneous Maximum
Zinc	µg/L	90	--	--	--
	lbs/day	0.49	--	--	--
Cyanide	µg/L	200	--	--	--
	lbs/day	1.08	--	--	--
Carbon Tetrachloride	µg/L	0.5	--	--	--
	lbs/day	0.0027	--	--	--
Chloroform	µg/L	100	--	--	--
	lbs/day	0.54	--	--	--
1,1-dichloroethane	µg/L	5	--	--	--
	lbs/day	0.027	--	--	--
1,1-dichloroethene	µg/L	6	--	--	--
	lbs/day	0.033	--	--	--
1,2-dichloroethane	µg/L	0.5	--	--	--
	lbs/day	0.0027	--	--	--
Ethylbenzene	µg/L	680	--	--	--
	lbs/day	3.69	--	--	--
Methylene Chloride	µg/L	5	--	--	--
	lbs/day	0.027	--	--	--
Tetrachloroethylene	µg/L	5	--	--	--
	lbs/day	0.027	--	--	--
Toluene	µg/L	10	--	--	--
	lbs/day	0.054	--	--	--
Trichloroethylene	µg/L	5	--	--	--
	lbs/day	0.027	--	--	--
Vinyl Chloride	µg/L	0.5	--	--	--
	lbs/day	0.0027	--	--	--
Phenol	mg/L	1.0	--	--	--
	lbs/day	5.42	--	--	--
1,2-dichlorobenzene	µg/L	600	--	--	--
	Lbs/day	3.25	--	--	--

Parameter	Units ¹	Effluent Limitations			
		Maximum Daily	30-Day Average	Instantaneous Minimum	Instantaneous Maximum
1,4-dichlorobenzene	µg/L	5	--	--	--
	Lbs/day	0.027	--	--	--
Chemical Oxygen Demand	Mg/L	360	180	--	--
	Lbs/day	1950	975	--	--
Chlorine, Total Residual	Mg/L	.10	--	--	--
	Lbs/day	0.542	--	--	--
Phenolic Compounds ²	Mg/L	0.35	0.17	--	--
	Lbs/day	1.885	0.91	--	--
Sulfides	Mg/L	0.1	--	--	--
	Lbs/day	0.54	--	--	--
Settleable Solids	MI/L	0.3	--	--	--
Turbidity	NTU	75	--	--	--
Xylenes	µg/L	10	--	--	--
	Lbs/day	0.054	--	--	--

¹ Mass limitations are based on a maximum flow of 650,000 gpd.

² Phenolic compounds include the sum of the following individual chlorinated and non-chlorinated phenolic compounds: 2-chlorophenol; 2-nitrophenol; phenol; 2,4-dimethylphenol; 2,4-dichlorophenol; 2,4,6-trichlorophenol; 4-chloro-3-methylphenol; 2,4-dinitrophenol; 2-methyl-4,6-dinitrophenol; pentachlorophenol; and 4-nitrophenol.

C. Water Quality-Based Effluent Limitations

1. Scope and Authority

As specified in 40 CFR § 122.44(d)(1)(i), permits are required to include WQBELs for pollutants (including toxicity) that are or may be discharged at levels that cause, have reasonable potential to cause, or contribute to an excursion above any state water quality standard. The process for determining reasonable potential and calculating WQBELs when necessary is intended to protect the designated beneficial uses of the receiving water as specified in the Basin Plan, and achieve applicable water quality objectives and criteria that are contained in other state plans and policies, or water quality criteria contained in the CTR and NTR. The specific procedures for determining reasonable potential for discharges from the facility, and if necessary for calculating WQBELs, are contained in the SIP.

2. Applicable Beneficial Uses and Water Quality Criteria and Objectives

The CTR contains both saltwater and freshwater criteria. According to 40 CFR § 131.38(c)(3), freshwater criteria apply at salinities of 1 part per thousand (ppt) and below at locations where this occurs 95 percent or more of the time. The CTR criteria for saltwater, freshwater, or human health for consumption of organisms, whichever is more stringent, are used to prescribe the effluent limitations in this Order to protect the beneficial uses of the Dominguez Channel, a water of the United States within the Estuary in the vicinity of the discharge. The Regional Water Board determined that because the discharge is within the Estuary, saltwater CTR criteria are applicable.

No discharges occurred during the existing permit term; therefore, no data were available to evaluate reasonable potential.

3. Determining the Need for WQBELs

In accordance with Section 1.3 of the SIP, the Regional Water Board conducts a reasonable potential analysis (RPA) for each priority pollutant with an applicable criterion or objective to determine if a WQBEL is required in the permit. The Regional Water Board analyzes effluent and receiving water data and identifies the maximum observed effluent concentration (MEC) and maximum background concentration (B) in the receiving water for each constituent. To determine reasonable potential, the MEC and the B are then compared with the applicable water quality objectives (C) outlined in the CTR, NTR, as well as the Basin Plan. For all pollutants that have a reasonable potential to cause or contribute to an excursion above a state water quality standard, numeric WQBELs are required. The RPA considers water quality criteria from the CTR and NTR, and when applicable, water quality objectives specified in the Basin Plan. To conduct the RPA, the Regional Water Board identifies the MEC and maximum background concentration in the receiving water for each constituent, based on data provided by the Discharger.

Section 1.3 of the SIP provides the procedures for determining reasonable potential to exceed applicable water quality criteria and objectives. The SIP specifies three triggers to complete a RPA:

- 1) Trigger 1 – If the MEC • C, a limit is needed.
- 2) Trigger 2 – If the MEC < C and B > C, a limit is needed.

- 3) Trigger 3 – If other related information such as CWA 303(d) listing for a pollutant, discharge type, compliance history, etc. indicates that a WQBEL is required.

Sufficient effluent and receiving water data are needed to conduct a complete RPA. If data are not sufficient, the Discharger will be required to gather the appropriate data for the Regional Water Board to conduct the RPA. Upon review of the data, and if the Regional Water Board determines that WQBELs are needed to protect the beneficial uses, the permit will be reopened for appropriate modification.

There were no discharges of effluent; therefore, there are no monitoring data available to perform an RPA for the priority pollutants. The SIP requires that sufficient data be provided to conduct the determination of priority pollutants requiring WQBELs and to calculate the effluent limitations. The tentative Order includes monitoring requirements to obtain the necessary data.

The existing Order established an effluent limitation for benzene based on the most stringent water quality criterion included in the CTR. This WQBEL has been carried over in the tentative Order.

4. WQBEL Calculations

No WQBEL calculation examples are being provided because there are no new CTR-based WQBELs.

5. WQBELs based on Basin Plan Objectives

The Basin Plan states that the pH of inland surface waters shall not be depressed below 6.5 or raised above 8.5 as a result of waste discharge. Based on the requirements of the Basin Plan an instantaneous minimum limitation of 6.5 and an instantaneous maximum limitation of 8.5 for pH are included in the permit. The Basin Plan lists temperature requirements for the receiving waters and references the Thermal Plan. Based on the requirements of the Thermal Plan and a white paper developed by Regional Water Board staff entitled *Temperature and Dissolved Oxygen Impacts on Biota in Tidal Estuaries and Enclosed Bays in the Los Angeles Region*, a maximum effluent temperature limitation of 86 °F is included in the tentative permit. The white paper evaluated the optimum temperatures for steelhead, topsmelt, ghost shrimp, brown rock crab, jackknife clam, and blue mussel. The new temperature effluent limit is reflective of new information available that indicates that the 100°F temperature is not protective of aquatic organisms. A survey was completed for several kinds of fish and the 86°F temperature was found to be protective.

6. Final WQBELs

Summaries of the water quality-based effluent limitations are described in Table F-6.

**Table F-6
 Summary of Final Water-Quality Based Effluent Limitations
 Discharge Point 001**

Parameter	Units ¹	Effluent Limitations			
		Maximum Daily	30-Day Average	Instantaneous Minimum	Instantaneous Maximum
PH	s.u.	--	--	6.5	8.5
Benzene	µg/L	71	--	--	--
	Lbs/day	0.38	--	--	--
Temperature	°F	--	--	--	86

¹ Mass limitation is based on a maximum flow of 650,000 gpd.

7. Whole Effluent Toxicity (WET)

Whole effluent toxicity (WET) protects the receiving water quality from the aggregate toxic effect of a mixture of pollutants in the effluent. WET tests measure the degree of response of exposed aquatic test organisms to an effluent. The WET approach allows for protection of the narrative “no toxics in toxic amounts” criterion while implementing numeric criteria for toxicity. There are two types of WET tests: acute and chronic. An acute toxicity test is conducted over a short time period and measures mortality. A chronic toxicity test is conducted over a longer period of time and may measure mortality, reproduction, and growth.

The Basin Plan specifies a narrative objective for toxicity, requiring that all waters be maintained free of toxic substances in concentrations that are lethal to or produce other detrimental responses by aquatic organisms. Detrimental response includes but is not limited to decreased growth rate, decreased reproductive success of resident or indicator species, and/or significant alterations in population, community ecology, or receiving water biota. The existing Order contains acute toxicity limitations and monitoring requirements in accordance with the Basin Plan, in which the acute toxicity objective for discharges dictates that the average survival in undiluted effluent for any three consecutive 96-hour static or continuous flow bioassay tests shall be at least 90%, with no single test having less than 70% survival. No acute toxicity sampling data was available from the previous permit term. Consistent with Basin Plan requirements, the Order carries over the acute toxicity limitations and monitoring requirements from the existing Order.

In addition to the Basin Plan requirements, Section 4 of the SIP states that a chronic toxicity effluent limitation is required in permits for all discharges that will cause, have the reasonable potential to cause, or contribute to chronic toxicity in receiving waters. Due to the intermittent nature of the discharges from Discharge Point 001, they are unlikely to contribute to long-term toxic effects within the receiving water. Intermittent discharges are likely to have short-term toxic effects; therefore, the Discharger will be required to continue to conduct acute toxicity testing and comply with acute toxicity limitations.

D. Final Effluent Limitations

Section 402(o) of the CWA and 40 CFR § 122.44(l) require that effluent limitations or conditions in reissued Orders be at least as stringent as those in the existing Orders. Effluent limitations for pH, settleable solids, turbidity, BOD₅@20° C, total suspended solids, chemical oxygen demand, oil and grease, sulfides, phenol, 1,1-dichloroethane, 1,1-dichloroethene, 1,2-dichlorobenzene, 1,2-dichloroethane, 1,4-dichlorobenzene, benzene, carbon tetrachloride, chloroform, dichloromethane, ethylbenzene, tetrachloroethylene, toluene, trichloroethylene, vinyl chloride, xylenes, arsenic, cadmium, chromium (total), chromium (VI), copper, lead, cyanide, mercury, nickel, residual chlorine, selenium, silver, and zinc are being carried over from the existing Order (Order No. 00-113) or were made more stringent based on the application of ELGs. Removal of these numeric limitations would constitute backsliding under CWA Section 402(o). Effluent limitations for BOD₅@20° C, chemical oxygen demand, phenols, and chromium (VI) are based on ELGs. The Regional Water Board has determined that these numeric effluent limitations continue to be applicable to the Facility and that backsliding is not appropriate. The effluent limitation for temperature has been revised to reflect water quality objective changes in the Thermal Plan. Because of the nature of operations at the Facility, effluent limitations for total petroleum hydrocarbons has been established in the permit and is based on best professional judgement (effluent limitation contained in permits recently adopted by the Regional Board for similar facilities).

1. Mass-based Effluent Limitations

Generally, mass-based effluent limitations ensure that proper treatment, and not dilution, is employed to comply with the final effluent concentration limitations. 40 CFR § 122.45(f)(1) requires that all permit limitations, standards or prohibitions be expressed in terms of mass units except under the following conditions:

- for pH, temperature, radiation or other pollutants that cannot appropriately be expressed by mass limitations;
- when applicable standards or limitations are expressed in terms of other units of measure; or
- if in establishing technology-based permit limitation on a case-by-case basis limitation based on mass are infeasible because the mass or pollutant cannot be related to a measure of production. The limitations, however, must ensure that dilution will not be used as a substitute for treatment.

Mass-based effluent limitations are established using the following formula:

$$\text{Mass (lbs/day)} = \text{flow rate (MGD)} \times 8.34 \times \text{effluent limitation (mg/L)}$$

where:

Mass = mass limitation for a pollutant (lbs/day)

Effluent limitation = concentration limit for a pollutant (mg/L)

Flow rate = discharge flow rate (MGD)

Note: Utilized long term average flow rate reported by Discharger

Attachment F – Fact Sheet
Table F-7
Summary of Final Effluent Limitations
Discharge Point 001

Parameter	Units ¹	Effluent Limitations				Basis ²
		Maximum Daily	Monthly Average	Instantaneous Minimum	Instantaneous Maximum	
BOD5@20°C	mg/L	48	26	--	--	ELG
	lbs/day	260	143	--	--	
Oil and Grease	mg/L	15	--	--	--	Existing
	lbs/day	81	--	--	--	
PH	s.u.	--	--	6.5	8.5	Basin Plan
Total Suspended Solids	mg/L	34	22	--	--	ELG
	lbs/day	182	117	--	--	
Arsenic	µg/L	50	--	--	--	Existing
	lbs/day	0.27	--	--	--	
Cadmium	µg/L	10	--	--	--	Existing
	lbs/day	0.054	--	--	--	
Chromium (Total)	µg/L	50	--	--	--	Existing
	lbs/day	0.27	--	--	--	
Chromium VI	µg/L	60	30	--	--	ELG
	lbs/day	0.34	0.15	--	--	
Copper	µg/L	4.8	--	--	--	Existing
	lbs/day	0.026	--	--	--	
Lead	µg/L	50	--	--	--	Existing
	lbs/day	0.27	--	--	--	
Mercury	µg/L	2	--	--	--	Existing
	lbs/day	0.011	--	--	--	
Nickel	µg/L	74	--	--	--	Existing
	lbs/day	0.40	--	--	--	
Selenium	µg/L	10	--	--	--	Existing
	lbs/day	0.054	--	--	--	
Silver	µg/L	1.9	--	--	--	Existing
	lbs/day	0.010	--	--	--	

Parameter	Units ¹	Effluent Limitations				Basis ²
		Maximum Daily	Monthly Average	Instantaneous Minimum	Instantaneous Maximum	
Zinc	µg/L	90	--	--	--	Existing
	lbs/day	0.49	--	--	--	
Cyanide	µg/L	200	--	--	--	Existing
	lbs/day	1.08	--	--	--	
Benzene	µg/L	71	--	--	--	Existing
	lbs/day	0.38	--	--	--	
Carbon tetrachloride	µg/L	0.5	--	--	--	Existing
	lbs/day	0.0027	--	--	--	
Chloroform	µg/L	100	--	--	--	Existing
	lbs/day	0.54	--	--	--	
1,1-dichloroethane	µg/L	5	--	--	--	Existing
	lbs/day	0.027	--	--	--	
1,2-dichloroethane	µg/L	0.5	--	--	--	Existing
	lbs/day	0.0027	--	--	--	
1,1-dichloroethene	µg/L	6	--	--	--	Existing
	lbs/day	0.033	--	--	--	
Ethylbenzene	µg/L	680	--	--	--	Existing
	lbs/day	3.69	--	--	--	
Methylene chloride	µg/L	5	--	--	--	Existing
	lbs/day	0.027	--	--	--	
Tetrachloroethylene	µg/L	5	--	--	--	Existing
	lbs/day	0.027	--	--	--	
Toluene	µg/L	10	--	--	--	Existing
	lbs/day	0.054	--	--	--	
Trichloroethylene	µg/L	5	--	--	--	Existing
	lbs/day	0.027	--	--	--	
Vinyl Chloride	µg/L	0.5	--	--	--	Existing
	lbs/day	0.0027	--	--	--	
Phenol	mg/L	1.0	--	--	--	Existing
	lbs/day	5.42	--	--	--	

Parameter	Units ¹	Effluent Limitations				Basis ²
		Maximum Daily	Monthly Average	Instantaneous Minimum	Instantaneous Maximum	
1,2-dichlorobenzene	µg/L	600	--	--	--	Existing
	lbs/day	3.25	--	--	--	
1,4-dichlorobenzene	µg/L	5	--	--	--	Existing
	lbs/day	0.027	--	--	--	
Chemical Oxygen Demand (COD)	mg/L	360	180	--	--	ELG
	lbs/day	1950	975	--	--	
Phenolic Compounds ³	mg/L	0.35	0.17	--	--	ELG
	lbs/day	1.885	0.91	--	--	
Residual Chlorine	mg/L	0.1	--	--	--	Existing
	lbs/day	0.542	--	--	--	
Settleable Solids	ml/L	0.3	--	--	--	Existing
Sulfides	mg/L	0.1	--	--	--	Existing
	lbs/day	0.54	--	--	--	
Temperature	°F	--	--		86	Existing
Turbidity	NTU	75	--	--	--	
Total Petroleum Hydrocarbons	µg/L	100	--	--	--	BPJ ⁴
	lbs/day	0.54				
Xylenes	µg/L	10	--	--	--	Existing
	lbs/day	0.054	--	--	--	

¹ Mass-based effluent limitations are based on 650,000 gpd.

² ELG=Effluent Limitation Guidelines and Standards Petroleum Refining Point Source Category.

³ Phenolic compounds include the sum of the following individual chlorinated and non-chlorinated phenolic compounds: 2-chlorophenol; 2-nitrophenol; phenol; 2,4-dimethylphenol; 2,4-dichlorophenol; 2,4,6-trichlorophenol; 4-chloro-3-methylphenol; 2,4-dinitrophenol; 2-methyl-4,6-dinitrophenol; pentachlorophenol; and 4-nitrophenol..

⁴ BPJ = Best Professional Judgement is the method used by permit writers to develop technology-based NPDES permit conditions on a case-by-case basis using all reasonably available and relevant data. BPJ limitations are established in cases in which effluent limitation guidelines are not available for a particular pollutant of concern. Authorization for using BPJ limitations is found under section 401(a)(1) of the Clean Water Act and under 40 CFR section 125.3.

**E. Interim Effluent Limitations
[Not Applicable]**

**F. Land Discharge Specifications
[Not Applicable]**

**G. Reclamation Specifications
[Not Applicable]**

V. RATIONALE FOR RECEIVING WATER LIMITATIONS

A. Surface Water

The Basin Plan contains numeric and narrative water quality objectives applicable to all surface waters within the Los Angeles Region. Water quality objectives include an objective to maintain the high quality waters pursuant to federal regulations (40 CFR § 131.12) and State Water Board Resolution No. 68-16. Receiving water limitations in the Order are included to ensure protection of beneficial uses of the receiving water and are based on the water quality objectives contained in the Basin Plan.

**B. Groundwater
[Not Applicable]**

VI. RATIONALE FOR MONITORING AND REPORTING REQUIREMENTS

Section 122.48 of 40 CFR requires all NPDES permits to specify recording and reporting of monitoring results. Sections 13267 and 13383 of the CWC authorize the Water Boards to require technical and monitoring reports. The MRP, Attachment E of the Order, establishes monitoring and reporting requirements to implement federal and state requirements. The following provides the rationale for the monitoring and reporting requirements contained in the MRP for this facility.

**A. Influent Monitoring
[Not Applicable]**

B. Effluent Monitoring

Monitoring for those pollutants expected to be present in the discharge from Discharge Point 001 (Monitoring Location M-001) is required as shown in the tentative MRP (Attachment E). To determine compliance with effluent limitations, the monitoring plan carries forward monitoring requirements from existing Order No. 00-113 with some modifications. In the permit, monitoring requirements for settleable solids, turbidity, total suspended solids, oil and grease, sulfides, phenol, pH, temperature, total flow, 1,1-dichloroethane, 1,1-dichloroethene, 1,2-dichlorobenzene, 1,2-dichloroethane, 1,4-dichlorobenzene, benzene, carbon tetrachloride, chloroform, dichloromethane, ethylbenzene, methyl tertiary butyl ether (MTBE), tetrachloroethylene, toluene, trichloroethylene, vinyl chloride, xylenes, ammonia, cyanide, radioactivity (beta), radioactivity (gross alpha), total radium (226 and 228), radium-226, residual chlorine, arsenic, cadmium, chromium (total), copper, lead, mercury, nickel, selenium, silver, zinc, total coliform, and acute toxicity are carried over from the previous permit. Because of the nature of operations at the Facility, monitoring for petroleum hydrocarbons and tertiary butyl alcohol have been added in the permit. Because the discharge through Discharge Points 001 will occur only during significant storm events and did not occur during the existing permit term, the Order requires that the monitoring for the pollutants are

performed once per discharge event. For all pollutants (except acute toxicity), if no discharge occurs from the NPDES discharge point during a calendar year, the Discharger shall provide the results of a representative sample from the Los Angeles Refinery in order for a RPA to be conducted. The sampling results from this sample will not be required to meet the NPDES effluent limitations as there is no actual discharge from the Facility.

According to the SIP, the Discharger is required to monitor the effluent for the CTR priority pollutants, to determine reasonable potential. Accordingly, the Regional Water Board is requiring that the Discharger conduct effluent monitoring of the CTR priority pollutants. The annual monitoring requirements and frequencies of the priority pollutants in the permit are carried over from the existing permit.

C. Whole Effluent Toxicity Testing Requirements

Whole effluent toxicity (WET) protects the receiving water quality from the aggregate toxic effect of a mixture of pollutants in the effluent. An acute toxicity test is conducted over a short time period and measures mortality. The Order includes limitations for acute toxicity; therefore, monitoring requirements are included in the MRP (Attachment E) to determine compliance with the effluent limitations established in Limitations and Discharge Requirements, Effluent Limitations, Section IV.A.1.b. of the Order.

D. Receiving Water Monitoring

1. Surface Water

The Facility is required to perform general observations of the receiving water when discharges occur and report the observations in the monitoring report. Attention shall be given to the presence or absence of: floating or suspended matter, discoloration, aquatic life, visible film, sheen or coating, and fungi, slime, or objectionable growths.

According to the SIP, the Discharger is required to monitor the upstream receiving water for the CTR priority pollutants, to determine reasonable potential. Accordingly, the Regional Water Board is requiring that the Discharger conduct upstream receiving water monitoring of the CTR priority pollutants at Monitoring Location R-001. The Discharger must analyze salinity, and pH of the upstream receiving water at the same time the samples are collected for priority pollutants analysis.

2. Groundwater [Not Applicable]

E. Other Monitoring Requirements [Not Applicable]

VII. RATIONALE FOR PROVISIONS

A. Standard Provisions

1. Federal Standard Provisions

Standard Provisions, which in accordance with 40 CFR §§ 122.41 and 122.42, apply to all NPDES discharges and must be included in every NPDES permit, are provided in Attachment D to the Order.

2. Regional Water Board Standard Provisions

Regional Water Board Standard Provisions are based on the CWA, USEPA regulations, and the CWC.

B. Special Provisions

1. Reopener Provisions

These provisions are based on 40 CFR Part 123 and the existing Order. The Regional Water Board may reopen the permit to modify permit conditions and requirements. Causes for modifications include the promulgation of new federal regulations, modification in toxicity requirements, or adoption of new regulations by the State Water Board or Regional Water Board, including revisions to the Basin Plan.

2. Special Studies and Additional Monitoring Requirements

a. Initial Investigation Toxicity Reduction Evaluation Workplan. This provision is based on Section 4 of the SIP, Toxicity Control Provisions.

3. Best Management Practices and Pollution Prevention

This provision is based on the findings of the compliance evaluation inspection (CEI) and the regulations found at 40 CFR § 122.44(k) which include the requirement to develop a storm water pollution prevention plan (SWPPP), a best management practices plan (BMPP), and an spill contingency plan (SCP).

4. Compliance Schedules **[Not Applicable]**

5. Construction, Operation, and Maintenance Specifications **[Not Applicable]**

6. Special Provisions for Municipal Facilities (POTWs Only) **[Not Applicable]**

7. Other Special Provisions **[Not Applicable]**

VIII. PUBLIC PARTICIPATION

The Regional Water Board is considering the issuance of waste discharge requirements (WDRs) that will serve as a NPDES permit for Equilon. As a step in the WDR adoption process, the Regional Water Board staff has developed tentative WDRs. The Regional Water Board encourages public participation in the WDR adoption process.

A. Notification of Interested Parties

The Regional Water Board has notified the Discharger and interested agencies and persons of its intent to prescribe waste discharge requirements for the discharge and has provided them with an opportunity to submit their written comments and recommendations.

B. Written Comments

The staff determinations are tentative. Interested persons are invited to submit written comments concerning these tentative WDRs. Comments should be submitted either in person or by mail to the Executive Office at the Regional Water Board at the address above on the cover page of this Order.

To be fully responded to by staff and considered by the Regional Water Board, written comments should be received at the Regional Water Board offices by 5:00 p.m. on December 19, 2005.

C. Public Hearing

The Regional Water Board will hold a public hearing on the tentative WDRs during its regular Board meeting on the following date and time and at the following location:

Date: January 19, 2006
Time: 9:00 A.M.
Location: City of Simi Valley City Council Chambers
2929 Tapo Canyon Road
Simi Valley, CA

Interested persons are invited to attend. At the public hearing, the Regional Water Board will hear testimony, if any, pertinent to the discharge, WDRs, and permit. Oral testimony will be heard; however, for accuracy of the record, important testimony should be in writing.

Please be aware that dates and venues may change. Our web address is <http://www.waterboards.ca.gov/losangeles> where you can access the current agenda for changes in dates and locations.

D. Waste Discharge Requirements Petitions

Any aggrieved person may petition the State Water Board to review the decision of the Regional Water Board regarding the final WDRs. The petition must be submitted within 30 days of the Regional Water Board's action to the following address:

State Water Resources Control Board
Office of Chief Counsel
P.O. Box 100, 1001 I Street
Sacramento, CA 95812-0100

Attn: Elizabeth Jennings, Senior Staff Counsel

E. Information and Copying

The Report of Waste Discharge, related documents, effluent limitations and special provisions, comments received, and other information are on file and may be inspected at the address below at any time between 8:30 a.m. and 4:45 p.m., Monday through Friday. Copying of documents may be arranged through the Regional Water Board by calling (213) 576-6600.

California Regional Water Quality Control Board
Los Angeles Region
320 West 4th Street, Suite 200
Los Angeles, CA 90013

F. Register of Interested Persons

Any person interested in being placed on the mailing list for information regarding the WDRs and NPDES permit should contact the Regional Water Board, reference this Facility, and provide a name, address, and phone number.

G. Additional Information

Requests for additional information or questions regarding this Order should be directed to Rosario Aston at (213) 576-6653.