State of California
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION

320 West 4th Street, Suite 200, Los Angeles

FACT SHEET
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT
FOR
EQUILON ENTERPRISES LLC
(Mormon Island Marine Terminal)

NPDES NO. CA0003557
Public Notice No.: 00-048

REVISED TENTATIVE

## I. INTRODUCTION

The Equilon Enterprises LLC (hereinafter Equilon or Discharger) discharges stormwater runoff from the Mormon Island Marine Terminal under waste discharge requirements contained in Order No. 93-018 (NPDES No. CA0003557) adopted by this Regional Board on April 5, 1993.

Equilon has filed a Report of Waste Discharge (ROWD) and has applied for renewal of its waste discharge requirements and National Pollutant Discharge Elimination System (NPDES) permit.

| FACILITY MAILING ADDRESS | FACILITY LOCATION |
|---|---|
| P.O. Box 6249 | Mormon Island Marine Terminal |
| Carson, CA 90749 | Berths 167-169, Mormon Island |
| Attn: Ron Kawczynski | Wilmington, CA 90744 |
| | Contact: David Paul Lipari, (310) 816-2132 |

The proposed NPDES Permit and waste discharge requirements will expire on June 10, 2005.

## II. DESCRIPTION OF FACILITY

Equilon operates the Mormon Island Marine Terminal Facility, previously operated by Shell Oil Products Company. On June 23, 1998 Shell Oil Products Company issued a letter indicating that the Mormon Island Terminal is owned and operated by Equilon. The letter further stipulated that there were no physical modifications, changes in operations, or changes in the types or quantities of pollutants discharged from the facility. The Mormon Island Facility, located at Berths 167, 168, and 169 Terminal Island Wilmington, California, is used for temporary storage and transfer of petroleum products. The facility intermittently discharges up to 0.104 million gallons per day of stormwater runoff that may pick up pollutants from its tank farm area. The wastewater is passed through and oil-water separator before discharge into Slip 1, Los Angeles Inner Harbor, a water of the United States, near Berth 167 (Latitude 33$^{o}$ 45' 21", Longitude 118$^{o}$ 16' 02") through discharge Serial 001.

III. DESCRIPTION OF DISCHARGE

During dry weather, ship ballast water, storage tank rinse water and pipeline displacement wastes are treated and discharged to the sanitary sewer system. During wet weather, storm runoff from tank farm areas is impounded and pumped to the oil-water separator while the "dry weather" waste discharges are stopped. Treated storm runoff is then discharged to the harbor through Discharge No. 001.

All other wastes are discharged to the community sewer system.

The ROWD describes the discharge as follows:

| Constituent | Unit | Maximum Daily Value |
|---|---|---|
| Flow | mgal/day | 0.104 |
| Oil and Grease | mg/L | 7.8 |
| Acute Toxicity | % Survival | 95 – 100 |
| Total Suspended Solids | mg/L | 19 |
| pH | pH Units | 7.0 – 7.7 |
| Phenols | mg/L | 0.20 |
| Lead, Total | µg/L | <50 |
| Benzene | µg/L | <0.3 |
| Toluene | µg/L | <0.3 |
| Arsenic | µg/L | <50 |
| Cadmium | µg/L | <50 |
| Chromium | µg/L | <50 |
| Copper | µg/L | <50 |
| Lead | µg/L | <50 |
| Mercury | µg/L | <20 |
| Nickel | µg/L | <50 |
| Zinc | µg/L | <50 |
| Silver | µg/L | <50 |

REVISED TENTATIVE

IV. BASIS FOR THE PROPOSED WASTE DISCHARGE REQUIREMENTS

A. BENEFICIAL USES

Receiving Surface Waters are:

Los Angeles – Long Beach Harbor (All Other Inner Harbors) (Hydro Unit No. 405.12)
- existing: industrial service supply, navigation, non-contact water recreation, commercial and sport fishing, marine habitat, rare, threatened or endangered species;
- potential: water contact recreation and shellfish harvesting.

Los Angeles-Long Beach Outer Harbor (Hydro Unit No. 405.12)

-existing: navigation, contact and non-contact recreation, commercial and sport fishing, marine habitat, rare, threatened and endangered species.

-potential: shellfish harvesting;

Pacific Ocean

-existing: industrial water supply, water contact and non-contact recreation, including aesthetic enjoyment, navigation, commercial and sport fishing, mariculture, preservation and enhancement of Areas of Special Biological Significance, rare and endangered species, marine habitat, fish migration, fish spawning and shellfish harvesting.

B. WATER QUALITY IN LOS ANGELES HARBOR

The January 2000 *Watershed Management Initiative Chapter* of California Regional Water Quality Control Board Los Angeles Region states that Los Angeles Inner Harbor is on the 303(d) list due to DDT, metals, polynuclear aromatic hydrocarbons (PAHs), chlordane, tributyltin (TBT), and polychlorinated biphenyls (PCBs). Some of the contamination in sediment that is historic, has resuspension potential. Other reaches of the Harbor that appear on the 303(d) list are Los Angeles (LA) Harbor Consolidated Slip, Main Channel, Inner Breakwater, Fish Harbor, Southwest Slip, and the Long Beach Harbor Main Channel, SE, W Basin, Pier J, and Breakwater.

The impairments listed for the Los Angeles Inner Harbor are benthic community effects, sediment toxicity, PAHs, chromium, zinc, lead, TBT, and chlordane, DDT, and PCBs in sediment and tissue.

C. STATUTES, RULES, AND REGULATIONS APPLICABLE TO DISCHARGE:

1. Effluent limitations, national standards of performance, toxic and pretreatment effluent standards, established pursuant to Section 208(b), 301, 302, 303(d), 304, 306, 307, and 405 of the Federal Clean Water Act (CWA) and amendments thereto.

2. CWA 402 and 40 CFR Parts 122, 123, and 124 regulations, (and therefore State Board Order Nos. 91-13-DWQ and 92-12-DWQ), for storm water discharges.

3. CWA Section 303(d)(4) and CWA Section 402(o)(2), USEPA Antibacksliding Policy.

4. 40 CFR Part 304 regulations for implementation of USEPA's water quality-based limitations for toxic pollutants.

5. Division 7 of the California Water Code is applicable to discharges to navigable water and tributaries thereto.

6. California Drinking Water Standards (California Domestic Water Quality and Monitoring Regulations, Title 22, California Code of Regulations).

7. State Water Resources Control Board Thermal Plan (revised September 8, 1975).

8. State Water Resources Control Board Resolution No. 68-16, (adopted on October 28, 1968), and USEPA 40 CFR 131.2, "Antidegradation Policies."

9. Water quality objectives for surface water and groundwater recharge are followed, according to the Water Quality Control Plan (Basin Plan) for the Coastal Watersheds of Los Angeles and Ventura Counties, adopted June 13, 1994.

10. 40 CFR Part 131: Water Quality Standards; Establishment of Numeric Criteria for Priority Toxic Pollutants for the State of California.

D. SPECIFIC RATIONALES FOR EACH OF THE NUMERICAL EFFLUENT LIMITATIONS:

1. The following pollutants are in the current permit (Order No. 93-053) and the numerical limitations are taken from:
   - A 40 CFR Part 133;
   - B The Basin Plan;
   - C Best Professional Judgement from General NPDES Permit No. CAG674001; or
   - D 40 CFR Part 131: or
   - E From existing NPDES Permit No. CA0003557, Order No. 93-018.

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| Constituents | Units | Discharge Limitations Daily Maximum |
|---|---|---|
| pH | pH units | 8.5[B] |
| Oil and grease | mg/L | 15[A,E] |
| Phenols | mg/L | 1.0[E] |
| Acute Toxicity | % Survival | 100 (no single test <70%)[B] |

2. The following pollutants are being added to the current permit.

| Constituents | Units | Discharge Limitations Daily Maximum |
|---|---|---|
| Turbidity | NTU | 150[C] |
| $BOD_5$ | mg/L | 30[C] |

REVISED TENTATIVE

| Constituents | Units | Discharge Limitations Daily Maximum |
|---|---|---|
| Total Suspended solids | mg/L | 150[C] |
| Benzene | µg/L | 71[D] |
| Ethylbenzene | µg/L | 29,00[D] |
| Toluene | µg/L | 200,000[D] |
| Chromium VI | µg/L | 1,100[D] |
| Lead | µg/L | 210[D] |
| Silver | µg/L | 1.9[D] |
| Zinc | µg/L | 90[D] |

E. SPECIFIC RATIONALES FOR EACH OF THE NUMERICAL RECEIVING WATER LIMITATIONS

Receiving water requirements are based on 40 CFR Part 122.44 (Establishing limitations, standards, and other permit conditions) and California Water Code (CWC) Section 12363 (Prescribing requirements, considerations, effect of); CWC Section 13267 (Investigation, monitoring, and inspections); CWC Section 13377 (Permits to comply with Federal Acts); and CWC Section 13383 (Monitoring., Inspection, entry, reporting, and record keeping requirements).

The numerical limitation for temperature is based on the Basin Plan and the Thermal Plan.

The numerical limitations for pH, are based on the Basin Plan.

V. MONITORING

A. EFFLUENT MONITORING

The following pollutants are in the proposed tentative Effluent Monitoring Program (Order No. 00-XXX):

| Constituent | Minimum Frequency of Analysis | Current MRP |
|---|---|---|
| Total waste flow | once per discharge | same |
| Turbidity | once per discharge | not required |

REVISED TENTATIVE

| Constituent | Minimum Frequency of Analysis | Current MRP |
|---|---|---|
| pH | once per discharge | same |
| Temperature | once per discharge | same |
| Total suspended solids | once per discharge | semi-annually |
| Oil and grease | once per discharge | same |
| Phenols | once per discharge | same |
| $BOD_5$ (20°C) | once per discharge | not required |
| Chromium VI | once per discharge | not required |
| Lead | once per discharge | annually |
| Acute Toxicity | annual test as a minimum | annually |
| Benzene | once per discharge | annually |
| MTBE | once per discharge | not required |
| Ethylbenzene | once per discharge | not required |
| Toluene | once per discharge | annually |
| Xylenes | once per discharge | not required |
| Arsenic | annually | same |
| Cadmium | annually | same |
| Copper | annually | same |
| Mercury | annually | same |
| Nickel | annually | same |
| Selenium | annually | same |
| Silver | once per discharge | annually |
| Zinc | once per discharge | annually |
| Total organic carbon | annually | semiannually |
| Conductivity | annually | semiannually |
| Remaining EPA metals And volatile organic compounds (See attachment T-1) | annually | not required |

REVISED TENTATIVE

VI. WRITTEN COMMENTS

Interested persons are invited to submit written comments upon these tentative Waste Discharge Requirements. Comments should be submitted either in person, or by mail to:

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

Written comments regarding the tentative Order must be received at the Regional Board office by the close of business on June 5, 2000, in order to be evaluated by Board staff and included in the Board's agenda folder. Comments received after that date will be provided, ex agenda, to the Board for consideration, but may result in delay of the tentative Order.

VI. PUBLIC HEARING

The proposed Waste Discharge Requirements will be considered by the Regional Board at a public hearing to be held on June 29, 2000, at the Richard H. Chambers, U.S. Court of Appeals, Courtroom 3, 125 South Grand Avenue, Pasadena, California.

IX. WASTE DISCHARGE REQUIREMENTS APPEALS

Any person may petition State Water Resources Control Board to review the decision of the Regional Board regarding the final Waste Discharge Requirements. A petition must be made within 30 days of the Regional Board public hearing.

X. ADDITIONAL INFORMATION

The application, related documents, tentative effluent limitations and special conditions, comments received, and other information are on file and may be inspected at 320 West 4th Street, Suite 200, Los Angeles, CA 90013, at any time between 8:30 AM and 4:45 PM, Monday through Friday by calling (213) 576-6600.

XI. REGISTER OF INTERESTED PERSONS

Any person interested in this particular application or NPDES permit may leave their name, address, and phone number with the Board as a part of the Board's file.

REVISED TENTATIVE