

STATE OF CALIFORNIA  
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
LOS ANGELES REGION  
320 West 4<sup>th</sup> Street, Suite 200, Los Angeles, California 90013

**FACT SHEET  
WASTE DISCHARGE REQUIREMENTS  
FOR  
TESORO PETROLEUM COMPANIES, INC.**

**NPDES NO. CAG994004  
CI-8883**

**FACILITY ADDRESS**

15045 E. Imperial Highway  
La Mirada, California

**FACILITY MAILING ADDRESS**

3450 E. Spring Street, Ste. 212  
Long Beach, CA 90806

**PROJECT DESCRIPTION:**

Tesoro Petroleum Companies, Inc. (Discharger) is proposing to implement a full-scale groundwater treatment system to remediate the contaminated soil and groundwater beneath its facility located at 15045 E. Imperial Highway in the City of La Mirada (See Figure 1 for the location of the site). The Discharger proposes to discharge the treated groundwater to the nearby stormwater drain.

**VOLUME AND DESCRIPTION OF DISCHARGE:**

Up to 15,000 gallons per day of groundwater will be generated from the project site. The groundwater will be treated by a vacuum-assisted air stripper with optional ozone injection and an EPA developed bioreactor (See Figure 2 for the treatment process and instrumentation). Effluent from the treatment devices will then be discharged to Outfall No. 1 (Latitude: 33° 55' 54", Longitude: 118° 00' 30"). The discharge flows into the La Mirada Creek, a water of the United States.

**APPLICABLE EFFLUENT LIMITATIONS**

Based on the information provided in the NPDES Application Supplemental Requirements, the following constituents listed in the Table below have been determined to show reasonable potential to exist in the discharge. The groundwater discharge ultimately flows into the San Gabriel River between Firestone Boulevard and San Gabriel River Estuary, which is designated as MUN (Potential) beneficial use. Therefore, discharge limitations under "Other Waters" column apply to the discharge.

This Table lists the specific constituents and effluent limitations applicable to your discharge.

Constituents	Units	Discharge Limitations	
		Daily Maximum	Monthly Average
Total Suspended Solids	mg/L	150	50
Turbidity	NTU	150	50
BOD <sub>5</sub> 20°C	mg/L	30	20
Oil and Grease	mg/L	15	10
Settleable Solids	ml/L	0.3	0.1
Sulfides	mg/L	1.0	N/A
Phenols	mg/L	1.0	N/A
Residual Chlorine	mg/L	0.1	N/A
Methylene Blue Active Substances (MBAS)	mg/L	0.5	N/A
Benzene	µg/L	1.0	
Toluene	µg/L	150	
Ethylbenzene	µg/L	700	
Xylenes	µg/L	1750	
Total Petroleum Hydrocarbons	µg/L	100	
Methyl Tertiary Butyl Ether (MTBE)	µg/L	5	5
Tertiary Butyl Alcohol (TBA)	µg/L	12	
Copper	µg/L	44.4	22.1
Nickel	µg/L	100	100

**FREQUENCY OF DISCHARGE:**

The groundwater discharge is continuous and will last until the completion of the groundwater cleanup project.

**REUSE OF WATER:**

A portion of the groundwater will be used for dust control. Offsite disposal of the groundwater discharge is not feasible due to high cost of disposal. The property and the immediate vicinity have no landscaped areas that require irrigation using the groundwater discharge. Since there are no other feasible reuse options, the groundwater generated from the cleanup project will be discharged to the storm drain.