

**State of California**  
**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD**  
**LOS ANGELES REGION**  
**320 West 4th Street, Suite 200, Los Angeles**  
**FACT SHEET**  
**WASTE DISCHARGE REQUIREMENTS**  
**FOR**  
**KINDER MORGAN LIQUID TERMINALS, LLC**  
**(Gaffey Street Terminal Remediation Project)**  
**NPDES NO. CAG994004**  
**CI-9194**

**FACILITY LOCATION**

1313 & 1363 N. Gaffey Street  
San Pedro, CA 90731

**FACILITY MAILING ADDRESS**

1100 Town & Country Road  
Orange, CA 92868

**PROJECT DESCRIPTION**

Kinder Morgan Liquid Terminals, LLC (KMLT) proposes to conduct remediation activities at the Gaffey Street Terminal site located at 1313 and 1363 N. Gaffey Street, San Pedro. The facility was formerly used for storage and handling of fuel oil and marine diesel oil products. KMLT proposes to remove 13 aboveground tanks and associated pipelines and remediate soil and groundwater impacted with mainly fuel oil. The facility will be converted to residential use. The Department of Toxic Substances Control is overseeing the remediation project. Up to 0.45 million gallons per day (mgd) of treated groundwater will be discharged during the remediation project. Extracted groundwater will be passed through oil/water separation tanks. Then the groundwater will be passed through process filters to remove oil and suspended solids prior to passing it through a series of granular activated carbon units to remove total petroleum hydrocarbons (TPH) and other organics. Filtration system with Pure-Z media will be used to remove metals. The treated groundwater will be tested prior to discharge to the storm drain.

**VOLUME AND DESCRIPTION OF DISCHARGE**

It is estimated that up to 0.45 mgd of treated groundwater will be discharged to a local storm drain at Latitude 33°45'35", Longitude 118°17'40", which flows to a miscellaneous coastal stream then to the Los Angeles Inner Harbor, a water of the United States. The site location map and the schematic of waste flow diagram are shown as Figures 1 and 2, respectively.

November 3, 2006

**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 treated groundwater discharged from the project site flows into miscellaneous coastal stream. Therefore, discharge limitations under “Other Water” column in Part E.1.a. and 1.c. of the Order applies. In addition, the limitations specified in Attachment B of Order No. R4-2003-0111 are not applicable to the discharge.

This Table lists the specific constituents and effluent limitations applicable to the 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	---
Phenols	mg/L	1.0	---
Residual Chlorine	mg/L	0.1	---
Methylene Blue Active Substances (MBAS)	mg/L	0.5	---
Total Petroleum Hydrocarbons	µg/L	100	---
Benzene	µg/L	1.0	---
Ethylbenzene	µg/L	700	---
Napthalene	µg/L	21	---
Copper	µg/L	5.8	2.9
Lead	µg/L	14	7.0
Nickel	µg/L	14	6.7
Zinc	µg/L	95	47

**FREQUENCY OF DISCHARGE**

The discharge of groundwater will be continuous through the remediation project.

**REUSE OF WATER**

It is not economically feasible to haul all the groundwater for off-site disposal. Due to the large volume of groundwater that will be generated, it is not feasible to discharge the water to the sanitary sewer system. There are no other feasible reuse options for the discharge. Therefore, the treated groundwater will be discharged to the storm drain in compliance with the requirements of the attached order.



