

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  
UNOCAL RRM  
(FORMER UNOCAL STATION 4687)**

**NPDES NO. CAG994004  
CI-8150**

**FACILITY ADDRESS**

550 N. Moorpark Road  
Thousand Oaks, California

**FACILITY MAILING ADDRESS**

376 S. Valencia Avenue  
Brea, CA 92823

**PROJECT DESCRIPTION:**

Unocal RRM discharges wastewater from their groundwater cleanup project located at 550 N. Moorpark Road, Thousand Oaks, California. The groundwater beneath the site is impacted with petroleum-fuel compounds and heavy metals. Prior to discharge, the groundwater will be pumped into an oil/water separator tank, passed through particulate filters, and treated by passing through granular activated carbon canisters installed in series.

**VOLUME AND DESCRIPTION OF DISCHARGE:**

Up to 10,000 gallons per day of treated groundwater is discharged into the storm water catch basin located along Moorpark Road (Latitude: 34° 12' 52", Longitude: 118° 52' 50"). The discharge flows to the Arroyo Conejo Creek, thence to the Calleguas Creek above Potrero Road, a water of the United States. The site location map and process flow diagram are shown in Figures 1 and 2, respectively.

**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 discharge of treated groundwater flows into Arroyo Conejo Creek that is designated as MUN (Potential) beneficial use. Therefore, the discharge limitations under the "Other Waters" column apply to the discharge. Based on the effluent hardness value submitted, an appropriate discharge limitation for hardness-dependent metals has been selected according to Section E.1.b. of the Order. The limitations specified in Attachment B.4.a. of the Order are applicable to this discharge.

September 13, 2004

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

Constituents	Units	Discharge Limitations	
		Daily Maximum	Monthly Average
Total Dissolved Solids	mg/L	850	
Sulfate	mg/L	250	
Chloride	mg/L	150	
Boron	mg/L	1	
Nitrogen	mg/L	10	
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	
<b>Volatile Organic Compounds</b>			
Acetone	µg/L	700	
Benzene	µg/L	1.0	
Toluene	µg/L	150	
Ethylbenzene	µg/L	700	
Xylenes	µg/L	1750	
Ethylene Dibromide	µg/L	0.05	
Methyl tertiary butyl ether (MTBE)	µg/L	5	
<b>Semi-Volatile Organic Compounds</b>			
Naphthalene	µg/L	21	
<b>Miscellaneous</b>			
Tertiary butyl alcohol (TBA)	µg/L	12	
Total Petroleum Hydrocarbons	µg/L	100	
<b>Metals</b>			
Arsenic	µg/L	50	
Copper	µg/L	44.4	22.1
Lead	µg/L	25.6	12.8
Nickel	µg/L	100	100

**FREQUENCY OF DISCHARGE:**

Unocal RRMC  
Former Unocal Station 4687

CAG994004  
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The discharge of treated groundwater will be intermittent and will continue until the site cleanup has been completed.

**REUSE OF WATER:**

The reuse of pumped groundwater at the site was evaluated. The disposal of water to a treatment facility is not feasible because it is not cost effective. The property and the immediate vicinity have no landscaped areas that require irrigation. Therefore, the majority of the groundwater will be discharged into the storm drain.