

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 CORPORATION  
(UNOCAL SERVICE STATION NO. 7196)**

**NPDES NO. CAG834001  
CI-8372**

**FACILITY ADDRESS**

3101 W. El Segundo Blvd.  
Hawthorne, California

**FACILITY MAILING ADDRESS**

376 S. Valencia Avenue  
Brea, CA 92823

**PROJECT DESCRIPTION:**

Union Oil Company of California (Unocal) proposes to discharge treated groundwater from the cleanup of petroleum fuel hydrocarbon impacted soil and groundwater at an existing gasoline service station located at 3101 W. El Segundo Boulevard, Hawthorne, California. The soil and groundwater beneath the site have been impacted by gasoline/diesel fuel that leaked from underground storage tanks. The groundwater treatment system is not yet installed, therefore no discharge of treated groundwater has occurred since the permit was issued on May 24, 2002.

The remediation system is composed of a groundwater treatment system and a vapor extraction system. The pumped groundwater will pass through the groundwater treatment system consisting of filter media, air stripper, and carbon adsorption canisters before being discharged to the storm drain. Each carbon canister weighs approximately 2,000 pounds. The vapor extraction system consists of a thermal/catalytic oxidizer and dual-phase vapor and groundwater extraction wells. Groundwater extracted with soil vapor will be treated by the groundwater treatment system.

**VOLUME AND DESCRIPTION OF DISCHARGE:**

Up to 60,000 gallons per day of treated groundwater will be discharged to a storm drain located along W. El Segundo Boulevard (Latitude: 33° 54' 59", Longitude: 118° 19' 30"). The discharge flows into Dominguez Channel, a water of the United States. The site location map and process flow diagram are shown in Figures 1 and 2, respectively.

**FREQUENCY OF DISCHARGE:**

The discharge of treated groundwater will be continuous. The project will last up to three years.

**REUSE OF WATER:**

Onsite reuse of groundwater is not a viable alternative because there is currently no infrastructure to distribute the water. Only a small volume of groundwater will be used for irrigation. Offsite disposal of treated groundwater is not feasible due to the large volume of water and the high cost of disposal. Sewer discharge is not a viable option because the sewer agency would not allow continuous high flow discharge. Since there are no feasible reuse options, the groundwater will be discharged to the storm drain.