

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

**FACT SHEET
WASTE DISCHARGE REQUIREMENTS
FOR
UNION OIL COMPANY OF CALIFORNIA
UNOCAL SERVICE STATION #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 Blvd., Hawthorne, California. The soil and groundwater beneath the site have been impacted by gasoline/diesel fuel that leaked from underground storage tanks.

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. The groundwater pumped by dual-phase vapor and groundwater extraction wells will be treated by the groundwater treatment system. The air treatment system will not produce any process water that will commingle with the treated groundwater.

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:

A minor portion of treated groundwater will be used for irrigation within the project site. 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.