



California Regional Water Quality Control Board

Los Angeles Region



Winston H. Hickox
Secretary for
Environmental
Protection

Over 50 Years Serving Coastal Los Angeles and Ventura Counties
Recipient of the 2001 *Environmental Leadership Award* from Keep California Beautiful

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320 W. 4th Street, Suite 200, Los Angeles, California 90013
Phone (213) 576-6600 FAX (213) 576-6640 - Internet Address: <http://www.swrcb.ca.gov/rwqcb4>

October 31, 2003

Mr. Nick Puig
ExxonMobil Oil Corporation
3700 W. 190th Street, TPT-2
Torrance, CA 90506

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
CLAIM NO. 7001 1140 0000 1129 5336

Mr. Lincoln Michael Lee
United Brothers, Inc.
P.O. Box 59447
Norwalk, CA 90612

Dear Mr. Puig and Mr. Lee:

GENERAL WASTE DISCHARGE REQUIREMENTS FOR GROUNDWATER REMEDIATION AT PETROLEUM HYDROCARBON FUEL AND/OR VOLATILE ORGANIC COMPOUND IMPACTED SITES – FORMER MOBIL SERVICE STATION 18-E45, 14206 MULBERRY DRIVE, WHITTIER, CALIFORNIA (FILE NO. I-02988)

We have completed our review of your application for Waste Discharge Requirements for a groundwater cleanup operation at the above referenced site. The groundwater cleanup operation will consist of a pump and treat module with the treated groundwater discharged back to the aquifer through a passive-infiltration system.

ExxonMobil Oil Corporation, as the owner of the gasoline station formerly known as Mobil Service Station 18-E45, and United Brothers, Inc., as the property owner, are jointly responsible for the cleanup operations at this site and are both subject to the terms and conditions of this permit.

On December 15, 2002, your consultant, Kleinfelder, Inc., submitted a Final Remedial Action Plan (FRAP) for cleanup of the contaminated groundwater at the site to the Regional Board. The groundwater is contaminated with total petroleum hydrocarbon as gasoline, benzene, toluene, ethylbenzene, xylene (BTEX), methyl-tertiary buthyl ether (MTBE), tertiary buthyl alcohol (TBA), 1,2,4-trimethylbenzene, and n-propylbenzene. In the FRAP, a groundwater pump and treat module with upgradient passive-infiltration of the treated groundwater was proposed. Two separate modules connected in series will treat the groundwater. The first module will be a HiPOxTM oxidation process to chemically breakdown the dissolved-phase petroleum hydrocarbons and oxygenate the hydrocarbons. The HiPOxTM process oxidizes volatile organic chemicals using a combination of ozone and hydrogen peroxide. The second module will be an activated carbon unit to complete the removal of the contaminants. The treated groundwater will be infiltrated upgradient through the infiltration wells. On January 15, 2003, this Regional Board approved the FRAP.

California Environmental Protection Agency

The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption
For a list of simple ways to reduce demand and cut your energy costs, see the tips at: <http://www.swrcb.ca.gov/news/echallenge.html>



Our mission is to preserve and enhance the quality of California's water resources for the benefit of present and future generations.

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- 2 -

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A well field consisting of two extraction wells and three injection wells is proposed. The design flowrate for the extraction wells (EW-1 and EW-2) is 10 gallons per minute (gpm) each well for a total of 20 gpm. These extraction wells are located downgradient and within the dissolved petroleum hydrocarbon plume. The treated groundwater will be passively infiltrated upgradient through wells IW-1, IW-2, and IW-3 at depths from approximately 15 to 50 feet below ground surface (Refer to attached Figure 28).

Regional Board staff have reviewed the information provided and have determined that the proposed discharge meets the conditions specified in Order No. R4-2002-0030, "*General Waste Discharge Requirements for Groundwater Remediation at Petroleum Hydrocarbon Fuel and/or Volatile Organic Compound Impacted Sites*," adopted by this Regional Board on January 24, 2002.

Enclosed are your Waste Discharge Requirements, consisting of Regional Board Order No. R4-2002-0030 (Series No. 039) and Monitoring and Reporting Program No. CI-8660.

The Monitoring and Reporting Program requires you to implement the monitoring program on the effective date of this enrollment (October 31, 2003) under Regional Board Order No. R4-2002-0030. All monitoring reports should be sent to the Regional Board, ATTN: Information Technology Unit.

When submitting monitoring or technical reports to the Regional Board per these requirements, include a reference to Compliance File No. CI-8660, which will assure that the reports are directed to the appropriate file and staff. Also, do not combine other reports with your monitoring reports. Submit each type of report as a separate document.

We are sending a copy of Order No. R4-2002-0030 only to the applicant. A copy of the Order will be furnished to anyone who requests it.

If you have any additional questions, please contact Mr. Orlando H. Gonzalez at (213) 620-2267.

Sincerely,

Dennis A. Dickerson
Executive Officer

Enclosures:

1. Board Order No. R4-2002-0030
2. Monitoring and Reporting Program No. CI-8660
3. Standard Provisions applicable to Waste Discharge Requirements (addressee only)

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- 3 -

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cc: Mr. Robert Sams, Office of Chief Counsel, State Water Resources Control Board
Mr. Michael Lauffer, Office of Chief Counsel, State Water Resources Control Board
Mr. Tim Smith, County of Los Angeles Department of Public Works, Environmental
Programs Division, Underground Tanks
Mr. Noman M. Chowdhury, Los Angeles Regional Water Quality Control Board,
Underground Storage Tank Section
Mr. Eric Carlson, Kleinfelder, Inc.
Mr. Jeff Nagler, WDR, Watermaster Central Basin
Dr. Bruce Moury, WRD, Southern California Water Replenishment District

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