



California Regional Water Quality Control Board

Los Angeles Region



Alan C. Lloyd, Ph.D.
Agency Secretary

Recipient of the 2001 *Environmental Leadership Award* from Keep California Beautiful

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Arnold Schwarzenegger
Governor

March 9, 2006

Ms. Velma Warne
1196 Patricia Avenue
Simi Valley, CA 93065

Dear Ms. Warne:

GENERAL WASTE DISCHARGE REQUIREMENTS FOR IN-SITU GROUNDWATER REMEDIATION - CITY OF SIMI VALLEY PUBLIC SERVICES CENTER FUELING STATION, 1196 PATRICIA AVENUE, SIMI VALLEY, CA (ORDER NO. R4-2005-0030: SERIES 037) (CI – 9044) (UST VCEHD FILE NO. C-96012)

We have received your application for coverage under General Waste Discharge Requirements to inject a combination of ozone/oxygen/air sparging and hydrogen peroxide to enhance chemical oxidation and aerobic degradation of dissolved phase petroleum hydrocarbons and fuel oxygenates in the shallow groundwater.

The Site is located at 1196 Patricia Avenue, Simi Valley, California and contains two parcels encompassing an area of approximately 2.0 acres (Latitude: N34° 27' 07", Longitude: E118° 77' 66").

The Site is located in the Simi Basin, which lies between the Santa Susana Mountains to the north and the Simi Hills to the south. The Simi Basin contains a relatively thick sequence of alluvial deposits derived from the surrounding mountains and foothills. Groundwater has been documented at depths ranging between approximately 5 and 15 feet depending upon rainfall and the proximity of measurements to the Arroyo Simi drainage.

The Site has been developed with a single-family residence in the eastern parcel and an equipment yard for a landscape service company in the western parcel. The equipment yard formerly contained two underground storage tanks (USTs), one 550-gallon diesel fuel tank and one 1,000-gallon gasoline tank. In March 1996, the two USTs were removed. Currently, there are no USTs at the Site. Upon removal of the USTs, five soil samples were collected and analyzed. The highest concentrations of petroleum hydrocarbons as gasoline (TPH_G) of 6,500 mg/kg and benzene of 47 mg/kg were detected. Subsequent site investigations indicated that the underlying soil and groundwater had been contaminated with fuel hydrocarbons. A Remedial Action Plan (RAP) dated October 14, 2005, was prepared by Padre Associates, Inc. (Padre). The Ventura County Environmental Health Division (VCEHD) approved the RAP on November 9, 2005. Padre proposes to install eight ozone and air sparging/hydrogen peroxide injection wells for the remediation system at the Site. It is estimated that the system will be operated for a period of 6 to 9 months.

California Environmental Protection Agency



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We have reviewed the information provided and have determined that the proposed injection meets the conditions specified in Regional Board Order No. R4-2005-0030, "Revised *General Waste Discharge Requirements for Groundwater Remediation at Petroleum Hydrocarbon Fuel and/or Volatile Organic Compound Impacted Sites*," adopted by this Regional Board on May 5, 2005.

Enclosed are Waste Discharge Requirements consisting of Regional Board Order No. R4-2005-0030, and Monitoring and Reporting Program No. CI-9044 and Standard Provisions. The "Monitoring and Reporting Program" requires you to implement the monitoring program on the effective date of this enrollment under Regional Board Order No. R4-2005-0030.

The "Monitoring and Reporting Program" requires you to implement the monitoring program on the effective date of this enrollment (March 9, 2006) under Regional Board Order No. R4-2005-0030. 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, please include a reference to "Compliance File No. CI-9044," which will assure that the reports are directed to the appropriate file and staff. Also, please 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. R4-2005-0030 only to the applicant. A copy of the Order will be furnished to anyone who requests it.

If you have any questions concerning this matter, please call Mr. Rodney Nelson at (213) 620-6119.

Sincerely,

Jonathan S. Bishop
Executive Officer

Enclosures: 1. Board Order No. R4-2005-0030
2. Monitoring and Reporting Program No. CI-9044

Cc : Ms. Yvonne Shanks, State Water Resources Control Board, Underground Storage Tank
Cleanup Fund
Mr. Dave Salter, Ventura County Environmental Health Division
Mr. Joseph Schaaf, Padre Associates, Inc.

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